



**REPORT**

# 2020 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**

**Georgia Power Company**

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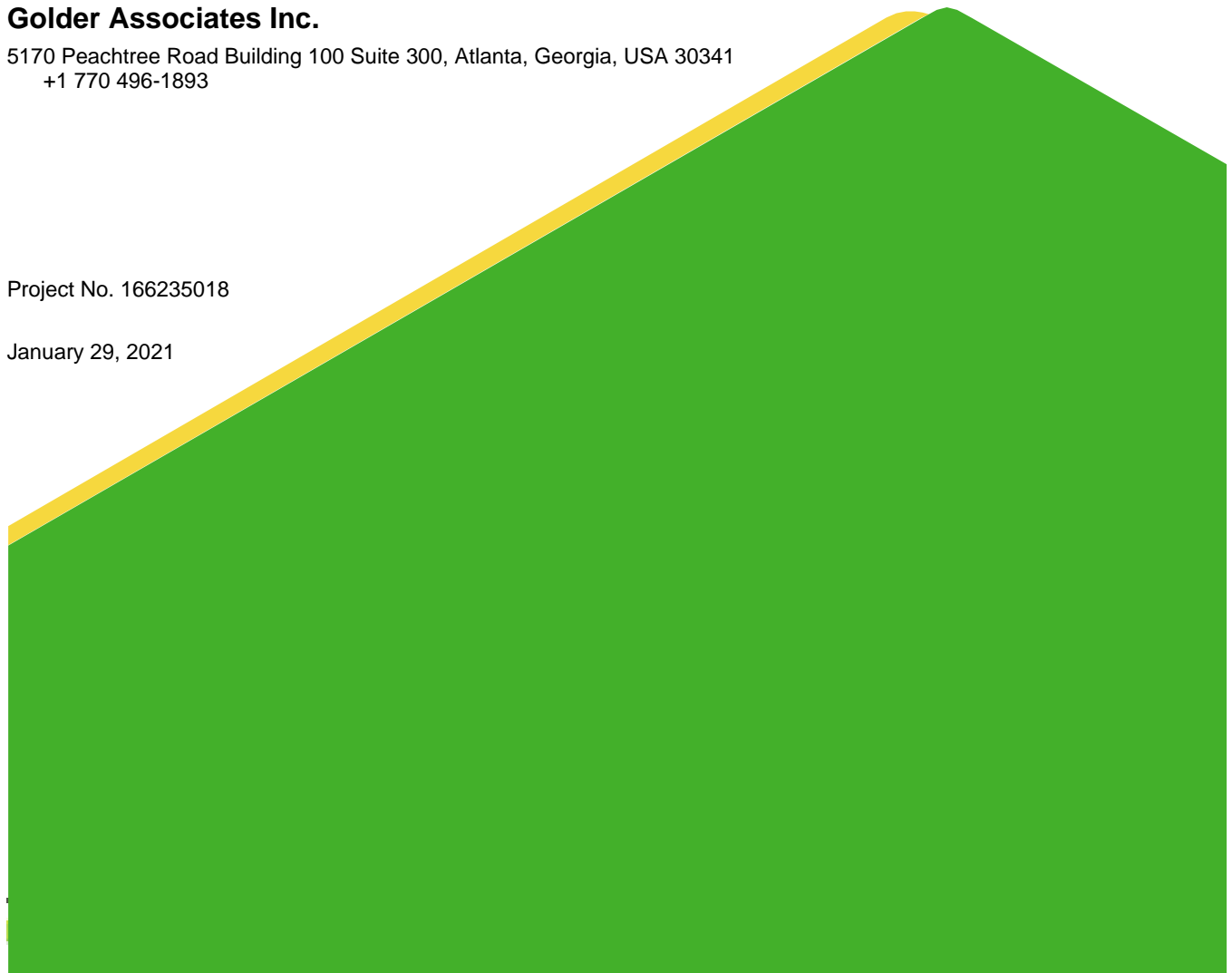
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Project No. 166235018

January 29, 2021



## Summary

This *2020 Annual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell (Cell 1 and PAC Ash), Juliette, Monroe County, Georgia, provides the status of groundwater monitoring and corrective program through December 2020. Groundwater monitoring and reporting for Cell 1 and PAC Ash Cell is performed by Golder Associates Inc. (Golder) in accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residual (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 system comprised of upgradient and downgradient wells for each CCR Unit. Cell 1 network consists of three (3) upgradient and seventeen (17) downgradient wells and PAC Ash Cell network consists of seven (7) upgradient and five (5) downgradient wells installed to 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



Groundwater monitoring events for Cell 1 and PAC Ash Cell were conducted in March and September 2020 (semi-annual). Groundwater elevation measurements were recorded at the site 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 I State required monitoring parameters and Appendix III CCR constituents from each of the monitoring wells.

Analytical data from the March 2020 and September 2020 monitoring events have been statistically analyzed in accordance with the site's certified statistical analysis method. For the both the March 2020 and September 2020 semi-annual monitoring events, results indicate statistically significant increases (SSIs) above the statistical limits as summarized below.

<b>Cell 1</b>		
<b>Appendix III Constituent</b>	<b>March 2020</b>	<b>September 2020</b>
Barium	GWC-10, GWC-11, GWC-13, GWC-19	No exceedances
Calcium	GWC-8A, GWC-12, GWC-13, GWC-19	GWC-8A, GWC-19
Chloride	GWC-7, GWC-10, GWC-12, GWC-19	GWC-8A
Cobalt	GWC-8A	No exceedances
pH	GWC-19	No exceedances
Sulfate	GWC-10, GWC-12, GWC-13, GWC-15	No exceedances
TDS	GWC-8A	GWC-8A
Zinc	No exceedances	GWC-11
<b>PAC Ash Cell</b>		
<b>Appendix III Constituent</b>	<b>March 2020</b>	<b>September 2020</b>
Barium	GWA-45, GWA-46, GWC-29, GWC-52	No exceedances
Calcium	GWA-22, GWA-47, GWC-29, GWC-52	No exceedances
Chloride	GWA-46, GWC-51, GWC-53	No exceedances
Chromium	GWC-52	No exceedances
pH	GWA-45, GWC-29	No exceedances
Sulfate	GWC-29, GWC-52	No exceedances
Vanadium	GWA-21	No exceedances

### **Alternate Source Demonstration (ASD)**

Multiple ASDs have been submitted to address various SSIs observed at the site. The ASDs conclude that the source of the elevated concentrations is variability in site groundwater chemistry, variability in laboratory or sampling protocol or error in statistical analyses. As such, 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.

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## Certification Statement

This 2020 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 Inc.

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

### Golder Associates Inc.



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

I hereby certify that this 2020 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).

### GOLDER ASSOCIATES INC.



W. Randall Sullivan, PE  
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[https://golderassociates.sharepoint.com/sites/24912g/project files/200 reports/annual gw monitoring & corrective action report/2020 annual gwmcar report/cell 1/cell 1.pac\\_annual gwmr\\_draft.v.1\\_1.15.2021.docx](https://golderassociates.sharepoint.com/sites/24912g/project%20files/200%20reports/annual%20gw%20monitoring%20and%20corrective%20action%20report/2020%20annual%20gwmcar%20report/cell%201/cell%201.pac_annual_gwmr_draft.v.1_1.15.2021.docx)

## 1.0 INTRODUCTION

This report has been prepared by Golder Associates Inc. (Golder) to present results of both semi-annual monitoring events conducted in March and September 2020 for Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash Cell and serves as both the second semi-annual and combined annual monitoring report for 2020. 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, Site Location Map, 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, Site Plan and Monitoring Well Location Map 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 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 system at the Site 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, Monitoring Well Network Summary, 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. SWC-9 was recently added to the surface water monitoring program. As such, a sample was collected from SWC-9 in September 2020 but was not collected in March 2020.

The minor modification to the permit in 2017 includes the addition to the Appendix III/IV monitoring constituents to the groundwater monitoring well network. Additionally, GPC has voluntarily included these constituents to the surface water monitoring program. The Appendix III constituents were included in March 2020 but inadvertently excluded from the September 2020 sampling event. TAL was able to recover Appendix III constituents with the



exception of TDS. While in detection monitoring, Appendix III constituents will be included in future semi-annual monitoring events.

## 1.5 Effluent Monitoring

Effluent monitoring is performed semi-annually. A single effluent sample was collected on March 25, 2020 and again on September 15, 2020 from the point of discharge of the flue gas desulfurization (FGD) waste stream. The FGD sample is analyzed for the same target metals as the groundwater samples.

## 2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during the first and second semi-annual monitoring periods in 2020. During the first semi-annual monitoring period, Golder collected groundwater, surface water and effluent samples between March 18 and March 30, 2020. During the second semi-annual monitoring period, Golder collected groundwater, surface water and effluent samples between September 9 and September 15, 2020. Table 2, Groundwater Sampling Event Summary, presents a summary of the groundwater sampling event completed for PAC Ash Cell (Table 2A) and Cell 1 (Table 2B) and the status of the monitoring well network for each unit.

Groundwater analytical data and chain of custody records are presented in Appendix A, Analytical Results, Field Data Forms, Data Validation Summaries & Well Inspection Forms. Environmental monitoring field data sheets and the well condition summary forms are also included with the analytical reports in Appendix A. Field data and sampling notes for each monitoring well are recorded on the field information forms, which contain a description of the sampling equipment, sampling method, purge rate, field observations, and depth to water measurements at each monitoring location.

### 2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system in 2020; the network remained the same as in the 2019 (previous) reporting year. Monitoring well-related activities were limited to visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance to provide safe access for sampling.

The well network for Cell 1 and PAC Ash Cell was re-surveyed by Jordan Engineering of Monticello, Georgia during June and July 2020. The top of the well casing and the survey pin installed at each well pad were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North American Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to North American Vertical Datum of 1988 (NAVD). The new survey data are presented along with the certified survey report in the *Well Installation and Design Report* (Golder, 2020b) and have been incorporated into this report's applicable tables. A copy of the survey report has been included in Appendix B, Certified Well Survey.

### 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

Semi-annual sampling events for Cell 1 and PAC Ash Cell landfills at Plant Scherer were conducted during March 2020 and September 2020. The following sections describe methods used to conduct groundwater monitoring at Cell 1 and PAC Ash Cell.

#### 3.1 Groundwater Level Measurement

Prior to sampling, Golder recorded groundwater elevations from each well and piezometer on March 16, 2020, and September 8, 2020 prior to each of the site sampling events. Additional groundwater elevation monitoring was completed on May 5, 2020 and November 5, 2020 as part of ongoing site investigation activities. Groundwater elevation data are summarized on Table 3, Summary of Groundwater Elevations. The recorded water level data were used to develop Figures 3A, PAC Ash Cell Potentiometric Surface Map – March 16, 2020 and Figures 3B, PAC Ash Cell Potentiometric Surface Map – September 8, 2020 and Figure 4A, Cell 1 Landfill Potentiometric Surface Map – March 16, 2020 and Figure 4B, Cell 1 Landfill Potentiometric Surface Map - September 8, 2020. Review of Figures 3A/B and 4A/B shows that groundwater generally flows south-southeast across the site, 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 gradient was calculated between well pairs as shown on Table 4A, Horizontal Groundwater Velocity Calculations – March 2020 and Table 4B, Horizontal Groundwater Velocity Calculations – September 2020. An effective porosity of 0.20 was used based on the default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1996).

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

Where:

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

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

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

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

Using this equation and groundwater elevation data from this sampling event, horizontal groundwater velocities are calculated for various areas of the site and shown on Table 4A and Table 4B.

As presented on Tables 4A/B, groundwater flow velocity at the site ranges from approximately 0.2 ft/day to 0.5 ft/day (approximately 77 to 178 ft/year) across Cell 1 and PAC Ash Cell. These calculated groundwater velocities across the site are generally consistent with historical calculations. The observed groundwater velocities calculated for this monitoring event are also consistent with expected velocities in the regolith-upper bedrock

aquifers of GA Piedmont and confirm 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 March and September 2020. 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) 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 10 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. Field information forms generated directly from the SmarTroll© as well as chain-of-custody records are included in Appendix A.

Results for each well are summarized and compared to applicable standards on Tables 5A, Analytical Data Summary Cell 1 - March 2020 and Table 5B, Analytical Data Summary PAC Ash Cell - March 2020 as well as Tables 6A, Analytical Data Summary Cell 1 - September 2020 and Table 6B, Analytical Data Summary PAC Ash Cell - September 2020. Review of Tables 5A/B and 6A/B shows no exceedances of the established primary MCLs for any of the samples from either the upgradient or downgradient monitoring wells during the 2020 sampling events.

### 3.4 Surface Water Sampling

During 2020 sampling events, samples from surface water sampling locations SWA-1 through SWA-3 and SWC-4 through SWC-9 were analyzed for target parameters, as indicated in the D&O Plan. The results of the 2020 surface water sampling are provided in Table 5C, Surface Water Analytical Data Summary - March 2020 and Table 6C, Surface Water Analytical Data Summary - September 2020. As specified in the August 2017 permit modification, surface waters were also analyzed for Appendix III parameters.

Review of Tables 5C and 6C and a comparison of upstream to downstream results indicates no significant change 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 2020 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 sample is analyzed for the target

constituents shown in the 2010 D&O Plan. Results of the FGD effluent sample collected on March 25, 2020 and September 15, 2020 are provided in Appendix A.

### 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 sites 2010 D&O Plan. Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix A.

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 A.

### 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 20 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 (USEPA, 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 USEPA procedures and guidance. Data validation summaries are provided in Appendix A. Data have been deemed valid and appropriate for use in statistical analyses.

## 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. The statistical method used 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, EPA 530/R-09-007 (USEPA, 2009).

### 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, 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 USEPA regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

### 4.1.1 Cell 1 Statistical Methods

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. Interwell statistical analyses pools upgradient data to calculate a prediction limit for which downgradient data is compared. Data from the September 2020 detection monitoring event are compared to the calculated statistical limits (utilizing data through October 2018) to determine whether any concentrations exceed background levels. 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.

Beginning with the September 2020 analyses, a two-step statistical analysis has been implemented, whereas, following intrawell statistical methods, 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. Table 4.1.1, Statistical Method Summary, provides a summary of the statistical methodology used at Cell 1 routine detection groundwater monitoring.

**TABLE 4.1.1 STATISTICAL METHOD SUMMARY - PLANT SCHERER CELL 1**

TABLE 4.1.1 STATISTICAL METHOD SUMMARY - PLANT SCHERER CELL 1		
Monitoring Well Network	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
CCR Monitoring Parameters	Appendix III (Detection Monitoring)	Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
	Appendix IV (Assessment Monitoring-if required)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium
GA EPD Monitoring Parameters	State Metals (Detection Monitoring)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Intrawell prediction limits for Appendix III (boron, calcium, chloride, fluoride, pH, sulfate, TDS) State metals (barium, chromium, cobalt, copper, lead, nickel, selenium, vanadium, and zinc) followed by inter well prediction limit analyses for any apparent exceedances.  Interwell predictions limits for arsenic and silver.
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable; nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.

**TABLE 4.1.1 STATISTICAL METHOD SUMMARY - PLANT SCHERER CELL 1**

	No Statistical Testing	Statistical testing is not required for parameters with 100% non-detects.
	Verification Resample Plan (Optional)	1-of-2 with minimum of 8 samples per well for interwell testing; 1-of-2 resample plan with a minimum of 10 samples per well for intrawell testing. <ul style="list-style-type: none"> <li>▪ Initial statistical exceedance warrants independent resampling within 90 days.</li> <li>▪ If resample passes, well/parameter is not a confirmed statistically significant increase (SSI).</li> <li>▪ If all resamples exceeds, well/parameter has a confirmed SSI.</li> <li>▪ If no resample is collected, the original result is deemed verified.</li> </ul>

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

- Statistical analyses are not performed on analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain less than or equal to 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the PQL as reported by the laboratory.
- When data contain between 15-50% non-detects, a non-detect adjustment such as the Kaplan-Meier or Regression on Order Statistics (ROS) method for adjustment of the mean and standard deviation will be used prior to constructing a parametric prediction limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

#### 4.1.2 PAC Ash Cell Statistical Methods

Groundwater quality data for PAC Ash Cell were evaluated using 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. The selected statistical method 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.

Beginning with the September 2020 analyses, a two-step statistical analysis has been implemented, whereas, following intrawell statistical methods, 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. Table 4.1.1, Statistical Method Summary, provides a summary of the statistical methodology used at PAC Ash routine detection groundwater monitoring.

TABLE 4.1.2 STATISTICAL METHOD SUMMARY - PLANT SCHERER PAC ASH CELL		
Monitoring Well Network	Upgradient Wells	GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49
	Downgradient Wells	GWC-29, GWC-50, GWC-51, GWC-52, GWC-53
CCR Monitoring Parameters	Appendix III (Detection Monitoring)	Boron, calcium, chloride, fluoride, pH, sulfate, and TDS
	Appendix IV (Assessment Monitoring-if required)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium
GA EPD Monitoring Parameters	State Metals (Detection Monitoring)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Intrawell statistical limits will be applied for each well/constituent, depending on the appropriateness of the method as determined by the Analysis of Variance followed by inter well prediction limit analyses for any apparent exceedances.
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable; nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters with 100% non-detects.
	Verification Resample Plan (Optional)	1-of-2 with minimum of 8 samples per well for intrawell testing. <ul style="list-style-type: none"> <li>▪ Initial statistical exceedance warrants independent resampling within 90 days.</li> <li>▪ If resample passes, well/parameter is not a confirmed SSI.</li> <li>▪ If resample exceeds, well/parameter has a confirmed SSI.</li> <li>▪ If no resample is collected, the original result is deemed verified.</li> </ul>

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

- Statistical analyses are not performed on analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain less than or equal to 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the PQL as reported by the laboratory.
- When data contain between 15-50% non-detects, a non-detect adjustment such as the Kaplan-Meier or Regression on Order Statistics (ROS) method for adjustment of the mean and standard deviation will be used prior to constructing a parametric prediction limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

## 4.2 Statistical Analysis Results

The calculated prediction limits are included in Appendix C, Statistical Analysis Reports. The statistical analysis (Sanitas) results presented in Appendix C are summarized in this section.

## 4.2.1 March 2020 Statistical Analysis Results

Table 4.2.1, March 2020 Statistically Significant Increase Summary presents the SSIs noted following the March 2020 monitoring event.

Following Unified Guidance (2006), statistical analyses are not performed on analytes containing 100% non-detects. For Cell 1 this includes antimony, beryllium, cadmium, mercury, thallium and for PAC Ash Cell this includes antimony, arsenic, copper, silver, and thallium.

**Table 4.2.1: March 2020 Statistically Significant Increase Summary**

Well	Parameter	Concentration (March 2020) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
<b>Cell 1</b>					
GWC-7	Chloride	2.1	2	Initial	Yes <sup>[1]</sup>
GWC-8A	Calcium	53	45.47	Initial	--
	Total Dissolved Solids	300	243.6	<b>Verified</b>	Yes <sup>[2]</sup>
	Cobalt	0.0027	1.1	Initial	--
GWC-10	Chloride	4.1	2.684	Initial	Yes <sup>[1]</sup>
	Sulfate	2.4	1.408	<b>Verified</b>	Yes <sup>[1]</sup>
	Barium	0.036	0.03491	Initial	--
GWC-11	Barium	0.019	0.018	Initial	--
GWC-12	Chloride	2.1	2.068	Initial	--
	Calcium	1.6	1.461	Initial	--
	Sulfate	1.3	0.7	Initial	--
GWC-13	Calcium	9.3	7.811	Initial	--
	Sulfate	25	0.7	<b>Verified</b>	Yes <sup>[2]</sup>
	Barium	0.058	0.04177	Initial	--
GWA-15	Sulfate	3.1	1.2	Initial	Yes
GWC 19	Chloride	2.2	2.038	Initial	--
	Calcium	14	13.6	Initial	Yes <sup>[1]</sup>
	pH	6.27	6.51	Initial	--
	Barium	0.025	0.01997	Initial	Yes <sup>[1]</sup>
<b>Pac Ash Cell</b>					
GWA-21	Vanadium	0.003	0.0028	Initial	Yes <sup>[1]</sup>
GWA-22	Calcium	9.7	9.51	Initial	--
GWA-45	Barium	0.11	0.05677	<b>Verified</b>	Yes <sup>[1]</sup>
	pH	6.46	6.448	Initial	--
GWA-46	Chloride	4.5	4.044	<b>Verified</b>	Yes <sup>[1]</sup>
	Barium	0.023	0.0216	<b>Verified</b>	Yes <sup>[1]</sup>
GWA-47	Calcium	12	11.8	<b>Verified</b>	Yes <sup>[1]</sup>
GWC-29	Calcium	16	11.14	<b>Verified</b>	Yes <sup>[1]</sup>
	pH	5.97	5.923	<b>Verified</b>	Yes <sup>[1]</sup>
	Sulfate	3.2	2.916	<b>Verified</b>	Yes <sup>[1]</sup>
	Barium	0.019	0.01827	<b>Verified</b>	Yes <sup>[1]</sup>
GWC-51	Chloride	7.3	7.083	Initial	--
GWC-52	Calcium	19	16.21	<b>Verified</b>	Yes <sup>[1]</sup>



Well	Parameter	Concentration (March 2020) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
	Barium	0.018	0.01427	<b>Verified</b>	Yes <sup>[1]</sup>
	Chromium	0.029	0.01528	<b>Verified</b>	Yes <sup>[1]</sup>
	Sulfate	40	26.14	<b>Verified</b>	Yes <sup>[1]</sup>
GWC-53	Chloride	13	12	Initial	Yes <sup>[3]</sup>

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) 2019 Second Semi-Annual Monitoring Event (Golder, April 2020).
- [2] 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, November 2019).
- [3] Alternate Source Demonstration Second Semi-Annual 2018 Monitoring Event Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI), (Golder, April 2019).

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 exceptions noted above in Table 4.2.1. Initial, apparent statistical exceedances for barium, calcium, chloride, cobalt, pH, sulfate, and TDS are noted for select monitoring wells at Cell 1, and initial apparent statistical exceedances of barium, calcium, chloride, chromium, pH, sulfate, and vanadium are noted for select monitoring wells at the PAC Ash unit.

In lieu of immediate verification resampling, many of the of the statistical exceedances identified following the March 2020 sampling event can be addressed by multiple previous ASDs prepared for the site and is applicable to many of the initial statistical exceedances. An ASD summary for each of the statistical exceedances above the prediction limits identified following the March 2020 is attached in Appendix D, Alternate Source Demonstration(s). Resampling for each of the initial apparent statistical exceedances was completed during the September 2020 sampling event.

#### 4.2.2 September 2020 Statistical Analysis Results

Following the statistical methods described above, including the 2-step analyses, Table 4.2.2, September 2020 Statistically Significant Increase Summary presents the SSIs noted following the September 2020 monitoring event. Note that fewer SSIs were identified following the September 2020 event as compared to the March 2020 event. This is a result of the revised statistical plan providing for a 2-step analysis that addresses spatial variability.

Following Unified Guidance (2006), statistical analyses are not performed on analytes containing 100% non-detects; for Cell 1 this includes beryllium; and for PAC Ash Cell this includes antimony and silver.

**Table 4.2.2: September 2020 Statistically Significant Increase Summary**

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>
	Total Dissolved Solids	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, August 2020).

[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, April 2020).

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 exceptions noted above in Table 4.2.2. Apparent statistical exceedances for calcium, chloride, TDS, and zinc are noted for select monitoring wells at Cell 1.

### 4.3 Alternate Source Demonstrations

Based on results of the *2020 Semi-Annual Groundwater & Corrective Action Monitoring Report* (Golder, 2020c) statistically significant increases (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 First Semi-Annual Monitoring Event*, dated August 31, 2020 was prepared and placed in the operating record to address each of the identified SSIs (Golder, 2020d).

Many of the of the statistical exceedances identified following the September 2020 sampling event are addressed by multiple previous ASDs prepared for the site and is applicable to many of the initial statistical exceedances (refer to table 4.2.1 and 4.2.2). In lieu of immediate verification resampling for the initial SSI of zinc reported at a single well downgradient of Cell 1, the SSI 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 each of the statistical exceedances above the prediction limits identified following the September 2020 sampling event. The ASD is in progress and will be submitted under a separate cover in accordance with the schedule provided by the rule.

### 5.0 MONITORING PROGRAM STATUS

Plant Scherer Cell 1 and PAC Ash Cell is in detection monitoring. Table 2A and Table 2B presents the status of each well within the certified monitoring network for PAC Ash Cell and Cell 1, respectively. Statistical exceedances of select Appendix III constituents (calcium, chloride, pH, sulfate, TDS), and select Appendix I metals (barium, cobalt, chromium, vanadium, and zinc) have been identified during the 2020 sampling events. GPC has addressed each of the reported exceedances in accordance with the requirements, and options, of Georgia EPD Solid Waste Management Rule (SWMR) by demonstrating alternate sources for the previous and current reported SSIs (refer to Table 4.2.1 and 4.2.2). The ASDs prepared in 2020 are included in Appendix D. As such, Cell 1 and PAC Ash Cell will remain in detection monitoring.

## 6.0 CONCLUSIONS

This 2020 *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 Georgia EPD SWMR, and the site's 2010 D&O Plan. Samples were obtained between March 18 through 30 and September 9 through September 15, 2020. The groundwater flow direction and rates observed during 2020 are consistent with historical evaluations.

Review of analytical results and statistical analyses following the revised 2-step analyses developed for the site to account for spatial variability indicate that many of the statistical exceedances identified during 2020 can be addressed by the previously submitted ASDs and are attributed to either natural variability in groundwater or a source other than the landfill units. In lieu of immediate verification resampling for the initial SSI of zinc reported at a single well downgradient of Cell 1, the SSI will be addressed in a forthcoming ASD. 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 will continue with detection groundwater monitoring and reporting. The next scheduled sampling event is scheduled for March 2021.

## 7.0 REFERENCES

- Georgia Environmental Protection Division, 1997, Criteria for Performing Site Acceptability Studies for Solid Waste Landfills in Georgia – Circular 14.
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## TABLES & FIGURES

**TABLE 1**  
**MONITORING WELL NETWORK SUMMARY**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Well ID	Hydrogeologic Unit Screened	Latitude	Longitude	Ground Surface Elevation (feet NAVD88) <sup>1</sup>	Top of Casing Elevation (feet NAVD88) <sup>1</sup>	Well Depth (feet bgs) <sup>2</sup>	Top of Screen Elevation (feet NAVD88) <sup>1</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>1</sup>	Screen Length (feet)	Date of Installation
<b>GYMPSUM CELL 1</b>										
GWC-1	Saprolite	33.078781	-83.791312	371.6	374.95	34.85	346.91	336.91	10	10/28/2009
GWC-2	Saprolite	33.078064	-83.791516	376.9	380.22	54.88	332.12	322.12	10	10/8/2009
GWC-3	Residuum	33.077510	-83.792468	407.1	410.44	46.39	370.70	360.70	10	10/29/2009
GWC-4	Residuum	33.076527	-83.792998	408.4	411.75	39.91	378.70	368.70	10	11/21/2009
GWC-5	Residuum/PWR	33.075543	-83.793054	393.3	396.69	30.66	372.84	362.84	10	10/22/2009
GWC-6	Gneiss	33.074659	-83.793558	412.4	415.80	45.10	377.52	367.52	10	10/21/2009
GWC-7	Saprolite	33.073749	-83.794302	414.4	418.27	54.78	369.84	359.84	10	10/20/2009
GWC-8A	Saprolite/PWR	33.072855	-83.795189	398.6	401.62	45.00	364.30	354.30	10	3/29/2017
GWC-9	Residuum/Saprolite	33.072961	-83.795866	382.8	386.18	16.88	376.02	366.02	10	11/4/2009
GWC-10	Residuum	33.073929	-83.796350	388.9	392.87	31.68	367.50	357.50	10	11/3/2009
GWC-11	Saprolite	33.074871	-83.797128	398.8	402.33	31.10	377.81	367.81	10	11/3/2009
GWC-12	Residuum	33.075777	-83.797856	409.2	412.89	34.40	384.94	374.94	10	11/3/2009
GWC-13	Residuum	33.076771	-83.798386	416.5	419.77	40.06	386.52	376.52	10	11/2/2009
GWC-14	Residuum	33.077643	-83.799294	400.2	403.60	24.13	386.09	376.09	10	11/4/2009
GWA-15	Residuum	33.078615	-83.798733	411.7	415.01	26.20	395.51	385.51	10	11/4/2009
GWA-16	Saprolite	33.079270	-83.797759	440.9	444.24	54.48	396.71	386.71	10	10/13/2009
GWA-17	Saprolite/PWR	33.079162	-83.796562	442.8	445.84	43.72	409.27	399.27	10	9/28/2009
GWC-18	Saprolite	33.078576	-83.795535	436.3	439.66	57.03	389.49	379.49	10	9/29/2009
GWC-19	Saprolite	33.077602	-83.794066	426.3	430.20	54.10	382.45	372.45	10	10/2/2009
GWC-20	Saprolite	33.078435	-83.792488	423.0	426.30	69.40	363.85	353.85	10	10/6/2009
<b>PAC ASH CELL</b>										
GWA-21	Saprolite/TWR	33.080445	-83.798136	419.7	422.58	17.82	412.04	402.04	10	6/29/2010
GWA-22	TWR/Gneiss	33.081232	-83.798099	442.0	444.50	40.00	412.29	402.29	10	6/30/2010
GWC-29	Saprolite	33.078253	-83.800577	396.9	399.64	24.36	382.78	372.78	10	6/28/2010
GWA-45	Residuum	33.080442	-83.803272	448.3	451.08	32.72	425.99	415.99	10	6/23/2010
GWA-46	Residuum	33.080752	-83.802141	458.3	461.13	44.17	424.38	414.38	10	6/23/2010
GWA-47	Saprolite/TWR	33.080967	-83.801000	462.9	465.77	51.33	421.74	411.74	10	6/22/2010
GWA-48	Saprolite/TWR	33.081213	-83.799841	458.8	461.73	61.22	407.74	397.74	10	6/22/2010
GWA-49	Saprolite	33.081421	-83.798702	429.9	432.88	38.08	401.81	391.81	10	6/21/2010

**TABLE 1**  
**MONITORING WELL NETWORK SUMMARY**  
 Georgia Power - Plant Scherer  
 Juliette, GA

Well ID	Hydrogeologic Unit Screened	Latitude	Longitude	Ground Surface Elevation (feet NAVD88) <sup>1</sup>	Top of Casing Elevation (feet NAVD88) <sup>1</sup>	Well Depth (feet bgs) <sup>2</sup>	Top of Screen Elevation (feet NAVD88) <sup>1</sup>	Bottom of Screen Elevation (feet NAVD88) <sup>1</sup>	Screen Length (feet)	Date of Installation
<b>PAC ASH CELL - continued</b>										
GWC-50	Saprolite	33.078366	-83.799799	404.3	407.16	33.64	380.88	370.88	10	6/28/2010
GWC-51	Saprolite	33.078145	-83.801495	407.3	410.15	23.95	393.78	383.78	10	7/27/2010
GWC-52	Saprolite	33.078524	-83.802254	414.4	417.13	30.17	394.53	384.53	10	6/24/2010
GWC-53	Residuum	33.079481	-83.803102	432.9	435.83	30.07	412.84	402.84	10	6/23/2010

**Notes:**

feet bgs = feet below ground surface

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

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

**TABLE 2A**  
**GROUNDWATER SAMPLING EVENT SUMMARY - CELL 1**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Well ID	Hydraulic Location	Summary of Sampling Event		Status of Monitoring Well
		March 2020	September 2020	
Purpose of Sampling Event		Detection	Detection	
<b>CELL 1</b>				
GWA-15	Upgradient	D06	D07	Detection
GWA-16	Upgradient	D06	D07	Detection
GWA-17	Upgradient	D06	D07	Detection
GWC-1	Downgradient	D06	D07	Detection
GWC-2	Downgradient	D06	D07	Detection
GWC-3	Downgradient	D06	D07	Detection
GWC-4	Downgradient	D06	D07	Detection
GWC-5	Downgradient	D06	D07	Detection
GWC-6	Downgradient	D06	D07	Detection
GWC-7	Downgradient	D06	D07	Detection
GWC-8A <sup>[1]</sup>	Downgradient	D06	D07	Detection
GWC-9	Downgradient	D06	D07	Detection
GWC-10	Downgradient	D06	D07	Detection
GWC-11	Downgradient	D06	D07	Detection
GWC-12	Downgradient	D06	D07	Detection
GWC-13	Downgradient	D06	D07	Detection
GWC-14	Downgradient	D06	D07	Detection
GWC-18	Downgradient	D06	D07	Detection
GWC-19	Downgradient	D06	D07	Detection
GWC-20	Downgradient	D06	D07	Detection

**Notes:**

Dxx - Detection Event Number

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



**TABLE 2B**  
**GROUNDWATER SAMPLING EVENT SUMMARY - PAC ASH CELL**  
**Georgia Power Company - Plant Scherer**  
**Juliette, Georgia**

Well ID	Hydraulic Location	Summary of Sampling Event		Status of Monitoring Well
		March 2020	September 2020	
Purpose of Sampling Event		Detection	Detection	
<b>PAC ASH CELL</b>				
GWA-21	Upgradient	D06	D07	Detection
GWA-22	Upgradient	D06	D07	Detection
GWA-45	Upgradient	D06	D07	Detection
GWA-46	Upgradient	D06	D07	Detection
GWA-47	Upgradient	D06	D07	Detection
GWA-48	Upgradient	D06	D07	Detection
GWA-49	Upgradient	D06	D07	Detection
GWC-29	Downgradient	D06	D07	Detection
GWC-50	Downgradient	D06	D07	Detection
GWC-51	Downgradient	D06	D07	Detection
GWC-52	Downgradient	D06	D07	Detection
GWC-53	Downgradient	D06	D07	Detection

**Notes:**

Dxx - Detection Event Number

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

Well ID	Top of Casing Elevation (Certified 7/17/2020)	GROUNDWATER ELEVATION			
		3/17/2020	5/6/2020	9/8/2020	11/5/2020
<b>CELL 1</b>					
GWC-1	374.95	368.22	368.06	366.54	366.19
GWC-2	380.22	369.63	369.55	367.90	367.62
GWC-3	410.44	380.30	381.24	379.19	378.87
GWC-4	411.75	382.64	382.89	380.62	380.45
GWC-5	396.69	380.80	380.82	377.93	377.69
GWC-6	415.80	378.18	381.35	379.14	378.73
GWC-7	418.27	377.55	378.37	376.69	376.62
GWC-8A	401.62	380.12	379.82	378.94	378.81
GWC-9	386.18	379.53	379.51	379.07	379.08
GWC-10	392.87	383.10	382.97	382.21	382.35
GWC-11	402.33	385.85	385.62	384.51	384.69
GWC-12	412.89	390.36	390.09	387.70	383.49
GWC-13	419.77	391.63	391.50	389.73	390.03
GWC-14	403.60	391.92	391.79	390.80	390.90
GWA-15	415.01	405.17	405.20	403.41	403.31
GWA-16	444.24	414.25	414.67	412.46	412.56
GWA-17	445.84	415.26	416.44	416.64	416.78
GWC-18	439.66	406.78	407.50	407.19	407.23
GWC-19	430.20	396.26	396.33	395.15	394.87
GWC-20	426.30	384.68	384.83	383.53	383.11
<b>PAC ASH CELL</b>					
GWA-21	422.58	420.32	420.40	418.19	418.28
GWA-22	444.50	424.24	424.34	421.01	421.30
GWA-45	451.08	445.48	445.64	435.56	435.17
GWA-46	461.13	449.18	449.63	430.44	430.13
GWA-47	465.77	435.40	436.64	428.21	427.97
GWA-48	461.73	422.36	423.92	426.13	426.20
GWA-49	432.88	396.43	425.46	422.36	422.75
GWC-29	399.64	392.26	392.22	393.97	393.94
GWC-50	407.16	398.75	399.00	398.51	398.51
GWC-51	410.15	401.59	401.67	401.43	401.35
GWC-52	417.13	407.88	408.12	407.98	408.02
GWC-53	435.83	426.57	426.87	425.51	425.33

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

Well ID	Top of Casing Elevation (Certified 7/17/2020)	GROUNDWATER ELEVATION			
		3/17/2020	5/6/2020	9/8/2020	11/5/2020
<b>CELL 3</b>					
GWA-39	457.62	432.49	434.04	431.82	431.07
GWA-40	463.84	432.70	434.43	432.25	431.91
GWA-41	434.12	424.97	425.89	424.57	NM
GWA-42	405.19	400.23	400.18	399.51	399.86
GWA-43	400.94	396.62	396.66	396.16	396.30
GWA-44A	399.62	NM	NM	394.82	395.02
GWA-54	451.49	426.86	428.31	427.61	427.70
GWC-30	394.49	388.34	388.56	387.92	388.03
GWC-31	392.78	387.17	387.22	385.85	386.34
GWC-32	410.03	386.41	386.98	385.72	386.17
GWC-33A	393.96	NM	393.96	383.20	NM
GWC-34	389.29	373.99	381.54	381.43	381.57
GWC-35	387.90	383.20	383.51	382.86	382.65
GWC-36	425.12	394.32	395.78	394.45	394.08
GWC-37	429.80	407.15	407.37	405.94	405.54
GWC-38	418.68	408.11	408.57	406.73	406.46

**Notes:**

Feet MSL = feet above mean sea level

NM = Not Measured

**TABLE 4A**  
**HORIZONTAL GROUNDWATER VELOCITY CALCULATIONS - MAY 2020**  
**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	416.44	38.07	2110	0.018	2.36	0.2	0.2	78
	378.37							
GWC-19/GWC-3	396.33	15.09	500	0.0302	2.36	0.2	0.4	130
	381.24							
<b>PAC Ash:</b>								
GWA-45/GWC-51	445.64	43.97	1062	0.041	2.36	0.2	0.5	178
	401.67							
GWA-47/GWC-50	436.64	37.64	1020	0.037	2.36	0.2	0.4	159
	399.00							

**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 - SEPTEMBER 2020**  
**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	416.64	39.95	2110	0.019	2.36	0.2	0.2	82
	376.69							
GWC-19/GWC-3	395.15	15.96	500	0.0319	2.36	0.2	0.4	137
	379.19							
<b>PAC Ash:</b>								
GWA-45/GWC-51	435.56	34.13	1062	0.032	2.36	0.2	0.4	138
	401.43							
GWA-47/GWC-50	428.21	29.70	1020	0.029	2.36	0.2	0.3	125
	398.51							

**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 - MARCH 2020**  
**GPC 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
	Sample Date:	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/19/202	3/18/2020	3/18/2020	3/19/2020
<b>APPENDIX III</b>											
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.26	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	3.8	12	7.3	19	18	5.9	14	61	15	15
CHLORIDE, TOTAL	mg/L	5.4	1.7	2.0	4.2	2.4	2.8	8.7	30	4.0	2.1
FLUORIDE, TOTAL	mg/L	0.036 J	0.041 J	0.071 J	0.098 J	0.055 J	0.091 J	0.038 J	0.055 J	0.082 J	< 0.026
pH	S.U.	5.42	6.29	6.03	6.53	6.41	5.90	6.32	5.81	6.19	6.41
SULFATE, TOTAL	mg/L	3.1	0.67 J	0.51 J	0.84 J	0.59 J	0.60 J	4.6	170	5.6	0.54 J
TOTAL DISSOLVED SOLIDS	mg/L	43	93	75	130	140	72	130	430	140	98
<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
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.010	0.027	0.031	0.049	0.048	0.013	0.045	0.040	0.050	0.036
BERYLLIUM, TOTAL	mg/L	< 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
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0044	0.0083	0.014	0.011	0.0049	0.0045	0.0052	0.0046	0.011
COBALT, TOTAL	mg/L	0.0017 J	0.00034 J	< 0.00013	0.00017 J	< 0.00013	0.00014 J	0.00021 J	< 0.00013	< 0.00013	0.00013 J
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 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	0.00023 J	0.00014 J	< 0.00013	0.00019 J	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00011 J
NICKEL, TOTAL	mg/L	0.00043 J	< 0.00034	< 0.00034	0.00056 J	0.0016	0.00091 J	0.00073 J	0.00068 J	0.00062 J	< 0.00034
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.014	< 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
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00049 J	0.00025 J	< 0.00015	0.00036 J	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0011	0.0078	0.0051	0.020	0.016	0.0051	0.0065	0.0020	0.0099	0.014
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.0045 J	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter
2. S.U. - Standard Units
3. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
4. 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 5A**  
**ANALYTICAL DATA SUMMARY CELL 1 - MARCH 2020**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**



Analyte	Units	GROUNDWATER MONITORING WELLS									
		GWC-8A	GWC-9	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
		Sample Date:	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/19/2020
<b>APPENDIX III</b>											
BORON, TOTAL	mg/L	0.16	0.058 J	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	53	16	20	14	1.6	9.3	6.9	11	14	14
CHLORIDE, TOTAL	mg/L	8.5	3.4	4.1	1.9	2.1	1.6	3.0	2.7	2.2	2.2
FLUORIDE, TOTAL	mg/L	0.073 J	0.096 J	0.088 J	0.064 J	0.046 J	0.055 J	0.068 J	< 0.026	< 0.026	< 0.026
pH	S.U.	6.42	6.61	6.34	6.17	5.19	5.81	5.61	6.32	6.27	6.47
SULFATE, TOTAL	mg/L	16	6.9	2.4	< 0.38	1.3	25	< 0.38	0.62 J	0.64 J	0.71 J
TOTAL DISSOLVED SOLIDS	mg/L	300	130	140	100	26	100	57	92	110	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	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.00042 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.043	0.013	0.036	0.019	0.018	0.058	0.0099 J	0.036	0.025	0.032
BERYLLIUM, TOTAL	mg/L	< 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
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0066	0.02	0.0086	0.0016 J	0.008	< 0.0015	0.014	0.012	0.0094
COBALT, TOTAL	mg/L	0.0027	< 0.00013	< 0.00013	< 0.00013	0.00013 J	< 0.00013	< 0.00013	0.00018 J	0.00014 J	0.00026 J
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 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	0.0017	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
NICKEL, TOTAL	mg/L	0.0044	< 0.00034	0.0016	0.0005 J	0.0006 J	0.00061 J	< 0.00034	0.00034 J	0.00047 J	0.00098 J
SELENIUM, TOTAL	mg/L	< 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
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0031	0.012	0.013	0.011	< 0.00099	0.0010	< 0.00099	0.0075	0.0080	0.019
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.005	0.0052	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

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

**TABLE 5B**  
**ANALYTICAL DATA SUMMARY PAC ASH CELL - MARCH 2020**  
**GPC 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
	Sample Date:	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/20/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	0.86	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	1.0
CALCIUM, TOTAL	mg/L	11	9.7	45	6.7	12	14	15	16	7.9	7.1	19	19
CHLORIDE, TOTAL	mg/L	3.9	2.2	9.9	4.5	1.7	1.9	2.2	3.4	2.1	7.3	8.2	13
FLUORIDE, TOTAL	mg/L	0.059 J	0.054 J	0.041 J	< 0.026	< 0.026	0.049 J	0.044 J	0.042 J	0.039 J	0.037 J	0.053 J	< 0.026
pH	S.U.	5.81	6.14	6.46	5.93	6.39	6.73	6.87	5.97	5.78	5.9	6.64	5.65
SULFATE, TOTAL	mg/L	0.92 J	< 0.38	150	0.39 J	0.58 J	1.5	0.56 J	3.2	< 0.38	0.71 J	40	170
TOTAL DISSOLVED SOLIDS	mg/L	100	65	310	51	99	97	110	110	64	66	160	270
<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
BARIUM, TOTAL	mg/L	0.027	0.024	0.11	0.023	0.029	0.02	0.02	0.019	0.013	0.011	0.018	0.047
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	0.0026	0.011	< 0.0015	0.0043	0.0085	0.0063	0.0055	< 0.0015	0.0047	0.0032	0.029	< 0.0015
COBALT, TOTAL	mg/L	0.00015 J	< 0.00013	0.0005 J	0.00025 J	< 0.00013	0.00029 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.0083
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	0.00072 J	< 0.00063	0.0011 J	0.0022	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	0.00019 J	< 0.00013	< 0.00013	0.0002 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
NICKEL, TOTAL	mg/L	0.00037 J	< 0.00034	0.00074 J	< 0.00034	< 0.00034	0.0004 J	< 0.00034	0.0039	0.0015	0.0021	< 0.00034	0.007
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	0.00036 J	< 0.00015	< 0.00015	0.00018 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0030	0.0052	0.0031	0.0033	0.0086	0.019	0.020	0.0044	0.0027	0.0046	0.010	< 0.00099
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.0037 J	0.0035 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.0037 J	< 0.0032	< 0.0032	0.0140

**NOTES:**

1. mg/L - Milligrams per Liter
2. S.U. - Standard Units
3. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
4. 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 5C**  
**SURFACE WATER ANALYTICAL DATA SUMMARY - MARCH 2020**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**



Analyte	Units	SURFACE WATER SAMPLING LOCATIONS							
		SWA-1	SWA-2	SWA-3	SWC-4	SWC-5	SWC-6	SWC-7	SWC-8
Sample Date:		3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020
<b>FIELD MONITORING PARAMETERS</b>									
pH	SU	7.98	6.80	6.96	7.24	7.23	7.38	7.41	6.77
ORP	mV	130.0	83.5	87.7	95.4	108.1	71.5	87.4	76.1
SPECIFIC CONDUCTANCE	us/cm	247.1	268.3	275.7	298	438.5	120.9	227.3	356.2
DISSOLVED OXYGEN	mg/L	8.61	8.80	8.60	8.35	10.10	8.87	9.16	7.99
TEMPERATURE	C	24.67	19.50	19.79	20.22	21.73	19.75	19.39	20.15
TURBIDITY	NTU	5.00	5.07	4.62	4.93	4.59	11.2	6.18	4.16
<b>APPENDIX III</b>									
BORON, TOTAL	mg/L	0.30	0.57	0.58	0.52	0.077 J	< 0.039	0.29	0.66
CALCIUM, TOTAL	mg/L	18	13	13	20	50	11	18	23
CHLORIDE, TOTAL	mg/L	3.5	10	11	7.6	22	2.4	5.4	9.5
FLUORIDE, TOTAL	mg/L	0.048 J	< 0.026	< 0.026	< 0.026	0.14	< 0.026	0.039 J	< 0.026
SULFATE, TOTAL	mg/L	41	86	91	89	86	1.2	50	120
TOTAL DISSOLVED SOLIDS	mg/L	120	200	200	220	300	100	160	270
<b>STATE REQUIRED INORGANICS</b>									
CHEMICAL OXYGEN DEMAND	mg/L	< 9.1	< 9.1	< 9.1	N/S	N/S	N/S	17	N/S
CYANIDE, TOTAL	mg/L	< 0.0044	< 0.0044	< 0.0044	N/S	N/S	N/S	< 0.0044	N/S
TOTAL ORGANIC CARBON	mg/L	3.4	1	1	N/S	N/S	N/S	1.8	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	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIIUM, TOTAL	mg/L	0.036	0.041	0.042	0.044	0.036	0.032	0.045	0.052
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	0.0028	< 0.0015	< 0.0015	< 0.0015
COBALT, TOTAL	mg/L	0.00014 J	0.0031	0.0038	0.0013 J	0.00045 J	0.0028	0.0013 J	0.0031
COPPER, TOTAL	mg/L	0.0028	< 0.00063	0.0013 J	0.0025	< 0.00063	< 0.00063	0.0014 J	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	0.00013 J	0.00029 J	< 0.00013	< 0.00013	0.00025 J	< 0.00013
MERCURY, TOTAL	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
NICKEL, TOTAL	mg/L	0.00065 J	0.0014	0.0018	0.00064 J	0.00068 J	0.00039 J	0.0009 J	0.00087 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0056	< 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	0.0029	0.0011	0.0023	0.0019	0.0045	0.0024	0.0040	0.0013
ZINC, TOTAL	mg/L	0.0032 J	0.0039 J	0.005	< 0.0032	0.0042 J	< 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
2. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL).
3. N/S - Not sampled. Locations Effluent, SWC-4, SWC-5, SWC-6, SWC-8 and SWC-9 are not sampled for COD, Cyanide, and TOC per the D&O Plan.

**TABLE 6A**  
**ANALYTICAL DATA SUMMARY CELL 1 - SEPTEMBER 2020**  
**GPC 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
		Sample Date:	9/9/2020	9/9/2020	9/9/2020	9/9/2020	9/9/2020	9/10/2020	9/10/2020	9/9/2020	9/10/2020
<b>APPENDIX III</b>											
BORON, TOTAL	mg/L	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.24	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	4.0	11	7.3	17	17	6.3	13	35	16	15
CHLORIDE, TOTAL	mg/L	6.1	1.6	1.3	3.9	2.0	2.7	9.7	8.7	6.3	2.5
FLUORIDE, TOTAL	mg/L	< 0.026	0.034 J	0.036 J	0.069 J	0.033 J	0.063 J	0.10	0.033 J	0.052 J	0.053 J
pH	S.U.	5.71	6.33	6.05	6.57	6.44	6.24	6.46	6.08	6.43	6.32
SULFATE, TOTAL	mg/L	1.6	< 0.38	< 0.38	0.77 J	0.59 J	< 0.38	1.6	110	9.4	< 0.38
TOTAL DISSOLVED SOLIDS	mg/L	< 10	66	64	120	110	59	130	270	140	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	< 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
BARIUM, TOTAL	mg/L	0.010	0.024	0.033	0.046	0.047	0.015	0.045	0.033	0.056	0.039
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00018 J
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0050	0.0088	0.014	0.010	0.0061	0.0055	0.0048	0.0049	0.0098
COBALT, TOTAL	mg/L	0.0016 J	< 0.00013	0.00019 J	< 0.00013	< 0.00013	0.00023 J	0.00032 J	< 0.00013	< 0.00013	0.00038 J
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.00072 J	0.0011 J	< 0.00063	< 0.00063	0.0024
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 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
NICKEL, TOTAL	mg/L	0.00069 J	< 0.00034	0.00048 J	0.00047 J	0.0016	0.0014	0.0013	0.00039 J	0.00090 J	0.00070 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0054	< 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
THALLIUM, TOTAL	mg/L	0.00025 J	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	0.00019 J
VANADIUM, TOTAL	mg/L	< 0.00099	0.0072	0.0053	0.018	0.014	0.0061	0.0068	0.0020	0.0094	0.014
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter
2. S.U. - Standard Units
3. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
4. 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 6A**  
**ANALYTICAL DATA SUMMARY CELL 1 - SEPTEMBER 2020**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**



Analyte	Units	GROUNDWATER MONITORING WELLS									
		GWC-8A	GWC-9	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
	Sample Date:	9/9/2020	9/9/2020	9/9/2020	9/10/2020	9/10/2020	9/10/2020	9/10/2020	9/9/2020	9/9/2020	9/9/2020
<b>APPENDIX III</b>											
BORON, TOTAL	mg/L	0.13	0.088	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039
CALCIUM, TOTAL	mg/L	64	16	20	13	1.1	6.7	6.5	10	15	13
CHLORIDE, TOTAL	mg/L	11	3.2	4.3	1.9	1.8	1.7	2.9	2.8	2.4	2.1
FLUORIDE, TOTAL	mg/L	0.038 J	0.067 J	0.055 J	0.052 J	< 0.026	0.034 J	< 0.026	0.045 J	0.034 J	0.051 J
pH	S.U.	6.30	6.80	6.40	6.16	5.10	5.83	5.88	6.30	6.27	6.49
SULFATE, TOTAL	mg/L	11	8.4	2.6	< 0.38	< 0.38	1.3	< 0.38	< 0.38	1.2	< 0.38
TOTAL DISSOLVED SOLIDS	mg/L	360	150	160	95	13	60	54	77	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	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.00092 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.053	0.025	0.036	0.020	0.019	0.037	0.010	0.036	0.026	0.031
BERYLLIUM, TOTAL	mg/L	< 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	0.0010 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	0.0081	0.018	0.0090	< 0.0015	0.0054	< 0.0015	0.013	0.011	0.0090
COBALT, TOTAL	mg/L	0.0043	0.00023 J	< 0.00013	0.00033 J	0.00057 J	< 0.00013	< 0.00013	0.00014 J	< 0.00013	0.00018 J
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 0.00063	0.00070 J	< 0.00063	< 0.00063	< 0.00063	0.00084 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00014 J	< 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
NICKEL, TOTAL	mg/L	0.0036	0.00046 J	0.0021	0.0012	0.00088 J	0.00044 J	< 0.00034	0.00064 J	0.00039 J	0.00098 J
SELENIUM, TOTAL	mg/L	< 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
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	< 0.00099	0.022	0.012	0.010	< 0.00099	0.0011	< 0.00099	0.0070	0.0071	0.018
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	< 0.0032	0.018	0.0037 J	0.0038 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter
2. S.U. - Standard Units
3. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
4. 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 6B**  
**ANALYTICAL DATA SUMMARY PAC ASH CELL - SEPTEMBER 2020**  
**GPC 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
	Sample Date:	9/10/2020	9/10/2020	9/11/2020	9/11/2020	9/11/2020	9/11/2020	9/10/2020	9/10/2020	9/10/2020	9/11/2020	9/11/2020	9/11/2020
<b>APPENDIX III</b>													
BORON, TOTAL	mg/L	< 0.039	< 0.039	1.0	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	0.97
CALCIUM, TOTAL	mg/L	8.2	5.9	30	5.5	11	12	14	15	7.5	7.0	18	19
CHLORIDE, TOTAL	mg/L	3.7	2.5	12	4.7	1.6	1.8	2.1	3.3	2.1	7.7	7.9	12
FLUORIDE, TOTAL	mg/L	0.044 J	0.034 J	< 0.026	< 0.026	0.034 J	0.035 J	0.036 J	0.040 J	< 0.026	0.049 J	0.041 J	< 0.026
pH	S.U.	5.83	5.78	5.98	6.02	6.59	6.76	6.91	6.09	5.78	5.84	6.64	5.69
SULFATE, TOTAL	mg/L	1.3	< 0.38	170	0.99 J	0.39 J	1.3	0.42 J	2.7	< 0.38	2.6	39	160
TOTAL DISSOLVED SOLIDS	mg/L	110	56	340	51	110	120	130	120	82	87	170	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
BARIUM, TOTAL	mg/L	0.023	0.022	0.15	0.022	0.026	0.013	0.020	0.020	0.013	0.010	0.017	0.044
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	0.0019 J	0.0077	< 0.0015	0.0042	0.0081	0.0053	0.0063	< 0.0015	0.0047	0.0041	0.028	0.0023
COBALT, TOTAL	mg/L	0.00019 J	0.00014 J	0.0035	< 0.00013	< 0.00013	< 0.00013	0.00020 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.0020 J
COPPER, TOTAL	mg/L	0.0023	< 0.00063	0.0020	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	< 0.00063	0.0013 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	0.0022	< 0.00013	0.0016	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.0015	< 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	0.00095 J	< 0.00034	0.0010	< 0.00034	< 0.00034	< 0.00034	0.00062 J	0.0035	0.0017	0.0020	< 0.00034	0.0074
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	0.0027	0.0025	0.0015	0.0026	0.0070	0.017	0.018	0.0049	0.0026	0.0042	0.0099	< 0.00099
ZINC, TOTAL	mg/L	0.0048 J	< 0.0032	0.0098	0.0038 J	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.014

**NOTES:**

1. mg/L - Milligrams per Liter
2. S.U. - Standard Units
3. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
4. 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.

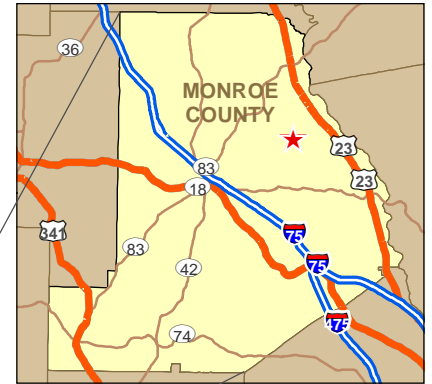
**TABLE 6C**  
**SURFACE WATER ANALYTICAL DATA SUMMARY - SEPTEMBER 2020**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**



Analyte	Units									
		SWA-1	SWA-2	SWA-3	SWC-4	SWC-5	SWC-6	SWC-7	SWC-8	SWC-9
Sample Date:		9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020
<b>FIELD MONITORING PARAMETERS</b>										
pH	SU	7.17	7.09	7.37	7.33	7.31	7.50	7.39	7.36	7.29
ORP	mV	115.2	34.2	44.7	87.6	68.5	56.7	71.3	60.5	57.7
SPECIFIC CONDUCTANCE	uS/cm	323.39	656.87	263.16	421.07	343.04	157.24	320.91	508.04	123.72
DISSOLVED OXYGEN	mg/L	6.79	6.94	7.73	7.47	4.88	7.70	7.49	7.58	8.09
TEMPERATURE	C	26.69	22.31	21.90	23.43	22.75	22.70	24.52	22.48	21.43
TURBIDITY	NTU	2.19	3.43	6.58	9.25	24.00	12.4	5.19	4.45	0.97
<b>APPENDIX III</b>										
BORON, TOTAL	mg/L	0.34	1.5	0.48	0.7	0.056 J	<0.080	0.33	1.1	0.043 J
CALCIUM, TOTAL	mg/L	20	45	13	27	35	13	21	32	9.7
CHLORIDE, TOTAL	mg/L	11	12	10	10	14	3.2	12	12	3.2
FLUORIDE, TOTAL	mg/L	0.16	0.042 J	<0.10	0.035 J	0.15	0.061 J	0.18 J	0.043 J	0.079 J
SULFATE, TOTAL	mg/L	62	220	69	120	44	0.73 J	67	170	5.3
TOTAL DISSOLVED SOLIDS	mg/L	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
<b>STATE REQUIRED INORGANICS</b>										
CHEMICAL OXYGEN DEMAND	mg/L	10	< 4.1	< 4.1	N/S	N/S	N/S	44	N/S	N/S
CYANIDE, TOTAL	mg/L	< 0.0044	< 0.0044	< 0.0044	N/S	N/S	N/S	< 0.0044	N/S	N/S
TOTAL ORGANIC CARBON	mg/L	3.2	1.4	0.69 J	N/S	N/S	N/S	3.1	N/S	N/S
<b>STATE REQUIRED METALS</b>										
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	0.00042 J	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.00070 J	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	0.00063 J	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.075	0.090	0.044	0.071	0.040	0.038	0.071	0.073	0.023
BERYLLIUM, TOTAL	mg/L	< 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
CHROMIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	0.0022	0.0023	< 0.0015	< 0.0015	< 0.0015	0.0053
COBALT, TOTAL	mg/L	< 0.00013	0.0059	0.0030	0.0030	0.0012 J	0.0028	0.00035 J	0.0032	< 0.00013
COPPER, TOTAL	mg/L	0.0020	< 0.00063	< 0.00063	0.0012 J	0.0012 J	< 0.00063	0.0019 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00050 J	0.00050 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	< 0.00013
NICKEL, TOTAL	mg/L	0.00068 J	0.00093 J	0.00091 J	0.0011	0.00099 J	0.00057 J	0.00096 J	0.00077 J	0.00051 J
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.0019 J	< 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
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0040	0.0013	0.0025	0.0068	0.0076	0.0029	0.0042	0.0019	0.0076
ZINC, TOTAL	mg/L	< 0.0032	< 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; uS/cm - microSiemens per centimeter; C - degrees Celcius; NTU - Nephelometric Turbidity Unit
2. J - Result is an estimated value. The result is greater than or equal to the Method Detection Limit (MDL) and less than the Practical Quantitation Limit (PQL).
3. N/S - Not sampled. Locations Effluent, SWC-4, SWC-5, SWC-6, SWC-8 and SWC-9 are not sampled for COD, Cyanide, and TOC per the D&O Plan.



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



CLIENT  
**GEORGIA POWER COMPANY**  
**PLANT SCHERER**



PROJECT  
**2020 ANNUAL GROUNDWATER MONITORING -**  
**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**



- LEGEND**
- EXISTING TOPOGRAPHY
  - ◆ CELL 1 LANDFILL MONITORING WELL
  - PAC ASH LANDFILL MONITORING WELL
  - ⊕ SURFACE WATER SAMPLE LOCATION

**NOTES**

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

- REFERENCE**
1. SERVICE LAYER CREDITS: SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY
  2. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
  3. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER



PROJECT  
**LANDFILL REPORT**

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

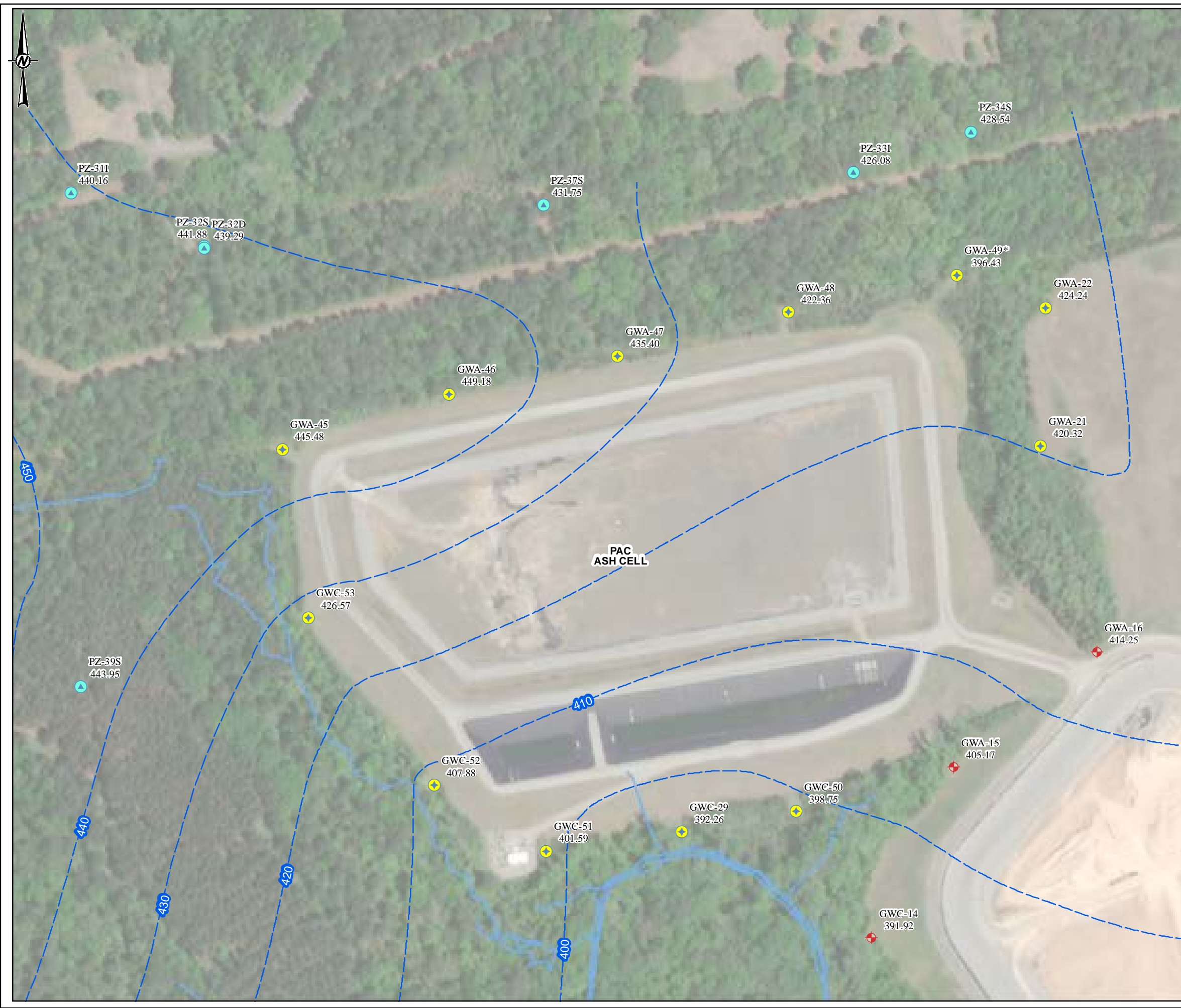
CONSULTANT	YYYY-MM-DD	2016-12-08
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

PROJECT No. 1662350 CONTROL 1662350A001-GIS.mxd Rev. 0 FIGURE 2

P:\H:\EPC\Projects\1662350\_Southern Company Services\figure\A-GM\CONTOUR MAPS\1662350A001-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 ANS B



**LEGEND**

- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- ASH POND PIEZOMETER
- CELL 3 MONITORING WELL
- SURFACE WATER SAMPLE
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (NAVD 88)
- PROPERTY BOUNDARY
- PONDS

**NOTES**

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 17, 2020 BY GOLDER ASSOCIATES.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
4. 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 SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER

PROJECT  
**GROUNDWATER MONITORING PROGRAM**  
 SEMI-ANNUAL COMPLIANCE EVENT

TITLE  
**POTENTIOMETRIC SURFACE MAP - PAC ASH CELL**  
 MARCH 17, 2020

CONSULTANT	YYYY-MM-DD	2020-06-26
	PREPARED	DJC
	DESIGN	DH
	REVIEW	
	APPROVED	

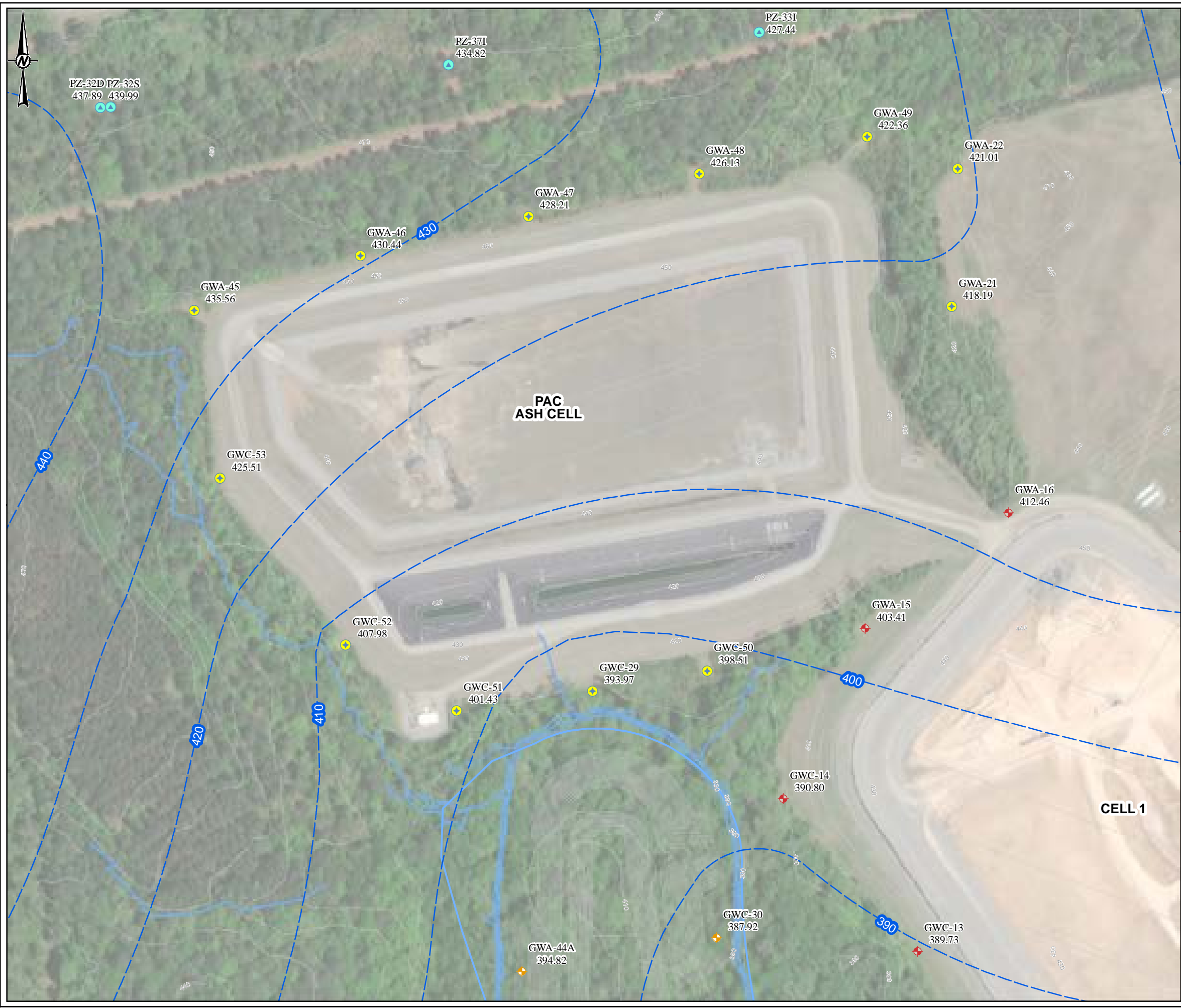
PROJECT No. 201394884 CONTROL 201394884B004-GIS.mxd Rev. 0

FIGURE **3A**

P:\11206\Projects\201394884\Plant Scherer\Figures\MARCH 2020\GWC\CONTOURS\301394884B004-GIS.mxd

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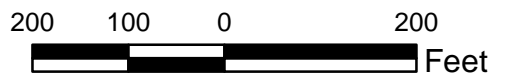




- LEGEND**
- ◆ CELL 1 LANDFILL MONITORING WELL
  - PAC ASH LANDFILL MONITORING WELL
  - ◆ CELL 3 MONITORING WELL
  - PIEZOMETER
  - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 8, 2020 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM 88 (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.



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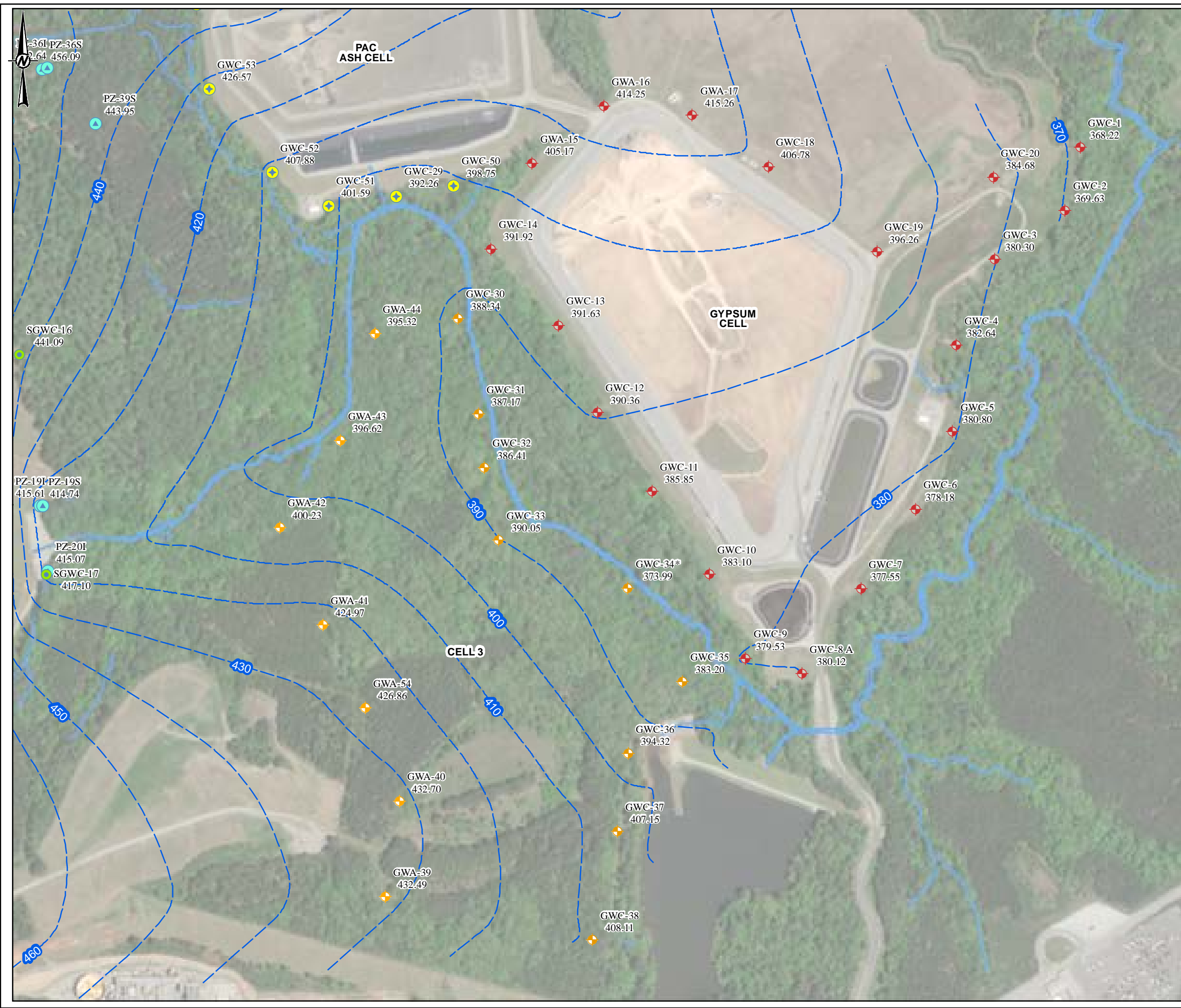
PROJECT  
 2020 ANNUAL GROUNDWATER MONITORING -  
 PLANT SCHERER

TITLE  
**POTENTIOMETRIC SURFACE MAP - PAC ASH**  
 SEPTEMBER 8, 2020

CONSULTANT	YYYY-MM-DD	2020-12-08
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

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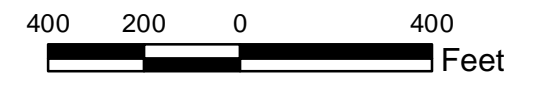
**LEGEND**

- ◆ CELL 1 LANDFILL MONITORING WELL
- ◆ PAC ASH LANDFILL MONITORING WELL
- ◆ CELL 3 MONITORING WELL
- ◆ SURFACE WATER SAMPLE
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (NAVD 88)
- PROPERTY BOUNDARY
- PONDS

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
  2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MARCH 17, 2020 BY GOLDER ASSOCIATES.
  3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
  4. 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 SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER

PROJECT  
**GROUNDWATER MONITORING PROGRAM**  
 SEMI-ANNUAL COMPLIANCE EVENT

TITLE  
**POTENTIOMETRIC SURFACE MAP - CELL 1**  
**MARCH 17, 2020**

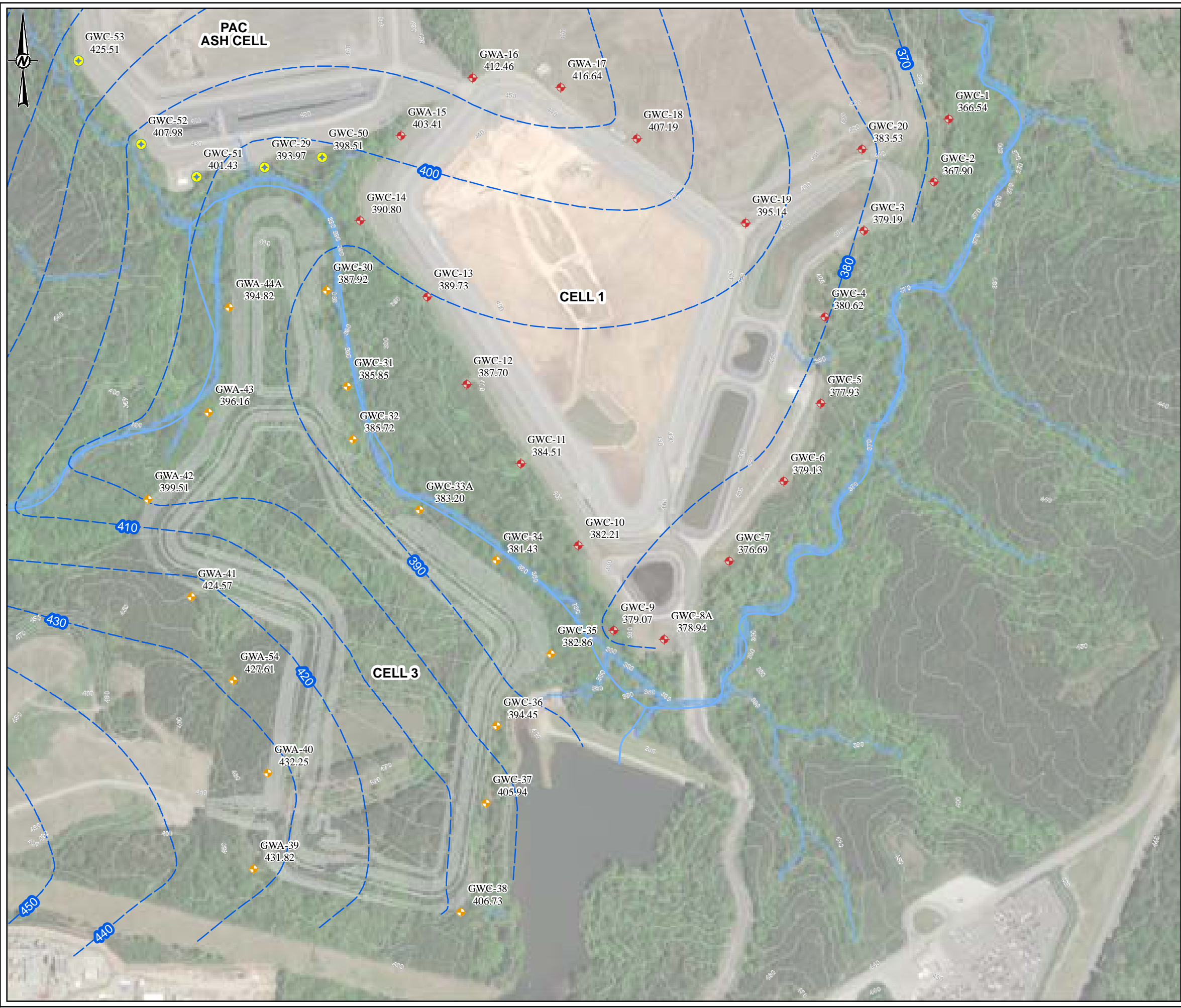
CONSULTANT	YYYY-MM-DD	2020-06-26
	PREPARED	DJC
	DESIGN	DH
	REVIEW	
	APPROVED	

PROJECT No. 201394884 CONTROL 201394884B003-GIS.mxd Rev. 0

FIGURE **4A**

P:\11306\Projects\201394884\Plant Scherer\Figures\MARCH 2020\GWC\CONTOURS\301394884B003-GIS.mxd

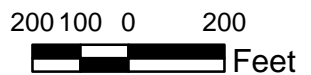
1" IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS B



- LEGEND**
- ◆ CELL 1 LANDFILL MONITORING WELL
  - PAC ASH LANDFILL MONITORING WELL
  - ◆ CELL 3 MONITORING WELL
  - PIEZOMETER
  - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 8, 2020 BY GOLDER ASSOCIATES.
  2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM 88 (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  
 2020 ANNUAL GROUNDWATER MONITORING -  
 PLANT SCHERER

TITLE  
**POTENTIOMETRIC SURFACE MAP - CELL 1**  
 SEPTEMBER 8, 2020

CONSULTANT	YYYY-MM-DD	2020-12-08
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

Plink: C:\TEMP\CAD FILES\MAY 11\2020\201394884-Plant Scherer\GIS\2020 GW CONTOURS\201394884G003-GIS.mxd

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

**APPENDIX A**

**ANALYTICAL DATA SUMMARY, ANALYTICAL  
RESULTS, FIELD DATA FORMS, WELL INSPECTION  
FORMS & DATA VALIDATION SUMMARIES**

**APPENDIX A**

**ANALYTICAL RESULTS  
MARCH 2020**

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-103812-1  
Client Project/Site: Plant Scherer Cell 1

For:  
Southern Company  
PO BOX 2641 GSC8  
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty



Authorized for release by:  
4/25/2020 3:12:50 PM

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

### LINKS

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results through  
**Total Access**

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The  
Expert**

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[www.testamericainc.com](http://www.testamericainc.com)

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

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

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Job ID: 180-103812-1

Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

#### Job Narrative 180-103812-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/20/2020 9:00 AM and 3/21/2020 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 1.0° C, 1.3° C, 1.8° C, 2.0° C, 2.7° C and 4.0° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

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

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): GWC-18 (180-103812-16). The container labels list a sample collection time of 16:05, while the COC lists 16:55. The time on the COC was used.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FB-1(LF) (180-103812-19). The container labels list a sample collection time of 1500, while the COC lists 00:00. 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

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-3 (180-103812-3), GWC-5 (180-103812-4), GWC-6 (180-103812-5), GWC-8A (180-103812-6), GWC-9 (180-103812-7), GWC-10 (180-103812-8), GWC-11 (180-103812-9), GWC-12 (180-103812-10), GWC-13 (180-103812-11), GWC-14 (180-103812-12), GWA-15 (180-103812-13), GWA-16 (180-103812-14), GWA-17 (180-103812-15), GWC-18 (180-103812-16), FD-1(LF) (180-103812-17), EB-1(LF) (180-103812-18), FB-1(LF) (180-103812-19), (CCV 180-312766/133), (180-103812-B-19-B MS), (180-103812-B-19-C MSD) and (180-103812-B-19-A SD ^5).

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 180-312766/157).

Method 6020B: The continuing calibration blank (CCB) associated with batch 180-312912 recovered above the upper control limit for nickel. The samples associated with this CCB were 10X the RL for the affected analytes; therefore, the data have been reported.

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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: 180-103812-1

## 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
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	pH



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-103812-1	GWC-1	Water	03/18/20 11:16	03/20/20 09:00	
180-103812-2	GWC-2	Water	03/18/20 11:32	03/20/20 09:00	
180-103812-3	GWC-3	Water	03/18/20 10:06	03/20/20 09:00	
180-103812-4	GWC-5	Water	03/18/20 12:05	03/20/20 09:00	
180-103812-5	GWC-6	Water	03/18/20 13:59	03/20/20 09:00	
180-103812-6	GWC-8A	Water	03/18/20 08:43	03/20/20 09:00	
180-103812-7	GWC-9	Water	03/18/20 09:51	03/20/20 09:00	
180-103812-8	GWC-10	Water	03/18/20 11:06	03/20/20 09:00	
180-103812-9	GWC-11	Water	03/18/20 14:00	03/20/20 09:00	
180-103812-10	GWC-12	Water	03/18/20 09:50	03/20/20 09:00	
180-103812-11	GWC-13	Water	03/18/20 15:00	03/20/20 09:00	
180-103812-12	GWC-14	Water	03/18/20 16:00	03/20/20 09:00	
180-103812-13	GWA-15	Water	03/18/20 15:15	03/20/20 09:00	
180-103812-14	GWA-16	Water	03/18/20 09:05	03/20/20 09:00	
180-103812-15	GWA-17	Water	03/18/20 08:55	03/20/20 09:00	
180-103812-16	GWC-18	Water	03/18/20 16:55	03/20/20 09:00	
180-103812-17	FD-1(LF)	Water	03/18/20 00:00	03/20/20 09:00	
180-103812-18	EB-1(LF)	Water	03/18/20 13:55	03/20/20 09:00	
180-103812-19	FB-1(LF)	Water	03/18/20 00:00	03/20/20 09:00	
180-103889-1	GWC-4	Water	03/19/20 08:57	03/21/20 09:00	
180-103889-2	GWC-7	Water	03/19/20 10:07	03/21/20 09:00	
180-103889-3	GWC-19	Water	03/19/20 09:46	03/21/20 09:00	
180-103889-4	GWC-20	Water	03/19/20 11:25	03/21/20 09:00	
180-103889-5	FD-2(LF)	Water	03/19/20 00:00	03/21/20 09:00	
180-103889-6	FB-2(LF)	Water	03/19/20 10:00	03/21/20 09:00	
180-103889-7	EB-2(LF)	Water	03/19/20 10:00	03/21/20 09:00	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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: 180-103812-1

## Client Sample ID: GWC-1

Date Collected: 03/18/20 11:16

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-1

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			312565	04/10/20 17:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:26	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 18:58	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 11:16	FDS	TAL PIT

## Client Sample ID: GWC-2

Date Collected: 03/18/20 11:32

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-2

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			312565	04/10/20 17:32	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:29	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:01	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 11:32	FDS	TAL PIT

## Client Sample ID: GWC-3

Date Collected: 03/18/20 10:06

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-3

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			312565	04/10/20 17:48	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:39	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:02	NAM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-3**  
**Date Collected: 03/18/20 10:06**  
**Date Received: 03/20/20 09:00**

**Lab Sample ID: 180-103812-3**  
**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	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 10:06	FDS	TAL PIT

**Client Sample ID: GWC-5**  
**Date Collected: 03/18/20 12:05**  
**Date Received: 03/20/20 09:00**

**Lab Sample ID: 180-103812-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			312565	04/10/20 19:38	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:43	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:03	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 12:05	FDS	TAL PIT

**Client Sample ID: GWC-6**  
**Date Collected: 03/18/20 13:59**  
**Date Received: 03/20/20 09:00**

**Lab Sample ID: 180-103812-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			312565	04/10/20 20:10	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:46	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:04	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 13:59	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-8A**

**Lab Sample ID: 180-103812-6**

**Date Collected: 03/18/20 08:43**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 20:57	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:50	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:05	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 08:43	FDS	TAL PIT

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-103812-7**

**Date Collected: 03/18/20 09:51**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 21:13	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:53	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:06	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 09:51	FDS	TAL PIT

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-103812-8**

**Date Collected: 03/18/20 11:06**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 21:29	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 17:57	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:07	NAM	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-103812-8**

**Date Collected: 03/18/20 11:06**

**Matrix: Water**

**Date Received: 03/20/20 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	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 11:06	FDS	TAL PIT

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-103812-9**

**Date Collected: 03/18/20 14:00**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 22:17	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:00	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:10	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 14:00	FDS	TAL PIT

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-103812-10**

**Date Collected: 03/18/20 09:50**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 22:32	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:04	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:10	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 09:50	FDS	TAL PIT



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Client Sample ID: GWC-13

Date Collected: 03/18/20 15:00

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-11

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			312565	04/10/20 22:48	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:07	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311571	03/30/20 17:50	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:11	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 15:00	FDS	TAL PIT

## Client Sample ID: GWC-14

Date Collected: 03/18/20 16:00

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-12

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			312565	04/10/20 23:04	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:11	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:25	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 16:00	FDS	TAL PIT

## Client Sample ID: GWA-15

Date Collected: 03/18/20 15:15

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			312565	04/10/20 23:20	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:21	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:26	NAM	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Client Sample ID: GWA-15

Date Collected: 03/18/20 15:15

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-13

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	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 15:15	FDS	TAL PIT

## Client Sample ID: GWA-16

Date Collected: 03/18/20 09:05

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-14

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: CHICS2100B		1			312544	04/10/20 18:33	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:25	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:27	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 09:05	FDS	TAL PIT

## Client Sample ID: GWA-17

Date Collected: 03/18/20 08:55

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-15

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: CHICS2100B		1			312544	04/10/20 19:20	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:28	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:28	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 08:55	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-103812-16**

**Date Collected: 03/18/20 16:55**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHICS2100B		1			312544	04/10/20 19:36	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:31	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:29	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/18/20 16:55	FDS	TAL PIT

**Client Sample ID: FD-1(LF)**

**Lab Sample ID: 180-103812-17**

**Date Collected: 03/18/20 00:00**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHICS2100B		1			312544	04/10/20 19:52	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:35	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:30	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT

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

**Lab Sample ID: 180-103812-18**

**Date Collected: 03/18/20 13:55**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHICS2100B		1			312544	04/10/20 21:11	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:38	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:31	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103812-19**

**Date Collected: 03/18/20 00:00**

**Matrix: Water**

**Date Received: 03/20/20 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 Instrument ID: CHICS2100B		1			312544	04/10/20 21:26	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311118	03/25/20 15:28	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 18:42	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311572	03/30/20 17:53	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311711	03/31/20 19:32	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310716	03/22/20 07:02	AVS	TAL PIT

**Client Sample ID: GWC-4**

**Lab Sample ID: 180-103889-1**

**Date Collected: 03/19/20 08:57**

**Matrix: Water**

**Date Received: 03/21/20 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 Instrument ID: CHICS2100B		1			312641	04/11/20 11:37	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 15:42	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:29	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310933	03/24/20 08:00	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 08:57	FDS	TAL PIT

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-103889-2**

**Date Collected: 03/19/20 10:07**

**Matrix: Water**

**Date Received: 03/21/20 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 Instrument ID: CHICS2100B		1			312641	04/11/20 11:52	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 15:45	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:30	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310933	03/24/20 08:00	AVS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-7**

**Date Collected: 03/19/20 10:07**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-2**

**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			310781	03/19/20 10:07	FDS	TAL PIT

**Client Sample ID: GWC-19**

**Date Collected: 03/19/20 09:46**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-3**

**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			312641	04/11/20 12:08	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 15:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:31	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 09:46	FDS	TAL PIT

**Client Sample ID: GWC-20**

**Date Collected: 03/19/20 11:25**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-4**

**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			312641	04/11/20 12:24	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 15:52	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:32	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 11:25	FDS	TAL PIT

**Client Sample ID: FD-2(LF)**

**Date Collected: 03/19/20 00:00**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-5**

**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			312641	04/11/20 12:40	MJH	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Client Sample ID: FD-2(LF)

Date Collected: 03/19/20 00:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103889-5

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	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 15:55	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:33	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Instrument ID: NOEQUIP										

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

Date Collected: 03/19/20 10:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103889-6

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			312641	04/11/20 14:15	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 15:59	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:34	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Instrument ID: NOEQUIP										

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

Date Collected: 03/19/20 10:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103889-7

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			312641	04/11/20 14:31	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 16:02	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311684	03/31/20 16:23	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:35	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	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 Cell 1

Job ID: 180-103812-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

NAM = Nicole Marfisi

Batch Type: Analysis

AVS = Abbey Smith

FDS = Sampler Field

MJH = Matthew Hartman

NAM = Nicole Marfisi

RSK = Robert Kurtz

SAC = Shawn Clemente

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-1**  
Date Collected: 03/18/20 11:16  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-1**  
Matrix: Water

### 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	0.32	mg/L			04/10/20 17:16	1
Fluoride	0.098	J	0.10	0.026	mg/L			04/10/20 17:16	1
Sulfate	0.84	J	1.0	0.38	mg/L			04/10/20 17:16	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		03/25/20 15:28	04/11/20 17:26	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:26	1
Barium	0.049		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:26	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:26	1
Calcium	19		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:26	1
Chromium	0.014		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:26	1
Cobalt	0.00017	J B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:26	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:26	1
Lead	0.00023	J B	0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:26	1
Nickel	0.00056	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:26	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:26	1
Thallium	0.00049	J B	0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:26	1
Vanadium	0.020		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:26	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 18:58	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.53				SU			03/18/20 11:16	1

**Client Sample ID: GWC-2**  
Date Collected: 03/18/20 11:32  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-2**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.4		1.0	0.32	mg/L			04/10/20 17:32	1
Fluoride	0.055	J	0.10	0.026	mg/L			04/10/20 17:32	1
Sulfate	0.59	J	1.0	0.38	mg/L			04/10/20 17:32	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		03/25/20 15:28	04/11/20 17:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:29	1
Barium	0.048		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:29	1

Eurofins TestAmerica, Pittsburgh



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-2**  
Date Collected: 03/18/20 11:32  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-2**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:29	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Calcium</b>	<b>18</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Chromium</b>	<b>0.011</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:29	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:29	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Lead</b>	<b>0.00014</b>	<b>J B</b>	0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Nickel</b>	<b>0.0016</b>		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:29	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Thallium</b>	<b>0.00025</b>	<b>J B</b>	0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:29	1
<b>Vanadium</b>	<b>0.016</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:29	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>140</b>		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.41</b>				SU			03/18/20 11:32	1

**Client Sample ID: GWC-3**  
Date Collected: 03/18/20 10:06  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-3**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.8</b>		1.0	0.32	mg/L			04/10/20 17:48	1
<b>Fluoride</b>	<b>0.091</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 17:48	1
<b>Sulfate</b>	<b>0.60</b>	<b>J</b>	1.0	0.38	mg/L			04/10/20 17:48	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		03/25/20 15:28	04/11/20 17:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Barium</b>	<b>0.013</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:39	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:39	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Calcium</b>	<b>5.9</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Chromium</b>	<b>0.0049</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Cobalt</b>	<b>0.00014</b>	<b>J B</b>	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Nickel</b>	<b>0.00091</b>	<b>J</b>	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:39	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-3**  
Date Collected: 03/18/20 10:06  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-3**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:39	1
<b>Vanadium</b>	<b>0.0051</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:39	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>72</b>		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.90</b>				SU			03/18/20 10:06	1

**Client Sample ID: GWC-5**  
Date Collected: 03/18/20 12:05  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-4**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>30</b>		1.0	0.32	mg/L			04/10/20 19:38	1
<b>Fluoride</b>	<b>0.055</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 19:38	1
<b>Sulfate</b>	<b>170</b>		1.0	0.38	mg/L			04/10/20 19:38	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		03/25/20 15:28	04/11/20 17:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Barium</b>	<b>0.040</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:43	1
Beryllium	<0.00018	<b>^</b>	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Boron</b>	<b>0.26</b>		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Calcium</b>	<b>61</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Chromium</b>	<b>0.0052</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Nickel</b>	<b>0.00068</b>	<b>J</b>	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Selenium</b>	<b>0.014</b>		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Vanadium</b>	<b>0.0020</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:43	1
<b>Zinc</b>	<b>0.0045</b>	<b>J</b>	0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:03	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-5**  
Date Collected: 03/18/20 12:05  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-4**  
Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	430		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.81				SU			03/18/20 12:05	1

**Client Sample ID: GWC-6**  
Date Collected: 03/18/20 13:59  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-5**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.0		1.0	0.32	mg/L			04/10/20 20:10	1
Fluoride	0.082	J	0.10	0.026	mg/L			04/10/20 20:10	1
Sulfate	5.6		1.0	0.38	mg/L			04/10/20 20:10	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		03/25/20 15:28	04/11/20 17:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:46	1
Barium	0.050		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:46	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:46	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:46	1
Calcium	15		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:46	1
Chromium	0.0046		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:46	1
Nickel	0.00062	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:46	1
Vanadium	0.0099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:04	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.19				SU			03/18/20 13:59	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-8A**

**Lab Sample ID: 180-103812-6**

Date Collected: 03/18/20 08:43

Matrix: Water

Date Received: 03/20/20 09:00

**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	0.32	mg/L			04/10/20 20:57	1
Fluoride	0.073	J	0.10	0.026	mg/L			04/10/20 20:57	1
Sulfate	16		1.0	0.38	mg/L			04/10/20 20:57	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		03/25/20 15:28	04/11/20 17:50	1
Arsenic	0.00042	J	0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:50	1
Barium	0.043		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:50	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:50	1
Boron	0.16		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:50	1
Calcium	53		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:50	1
Cobalt	0.0027	B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:50	1
Nickel	0.0044		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:50	1
Vanadium	0.0031		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	300		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.42				SU			03/18/20 08:43	1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-103812-7**

Date Collected: 03/18/20 09:51

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.4		1.0	0.32	mg/L			04/10/20 21:13	1
Fluoride	0.096	J	0.10	0.026	mg/L			04/10/20 21:13	1
Sulfate	6.9		1.0	0.38	mg/L			04/10/20 21:13	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		03/25/20 15:28	04/11/20 17:53	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:53	1
Barium	0.013		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:53	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-103812-7**

Date Collected: 03/18/20 09:51

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:53	1
<b>Boron</b>	<b>0.058</b>	<b>J</b>	0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:53	1
<b>Calcium</b>	<b>16</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:53	1
<b>Chromium</b>	<b>0.0066</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:53	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:53	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:53	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:53	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:53	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:53	1
<b>Vanadium</b>	<b>0.012</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:53	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>130</b>		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.61</b>				SU			03/18/20 09:51	1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-103812-8**

Date Collected: 03/18/20 11:06

Matrix: Water

Date Received: 03/20/20 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>4.1</b>		1.0	0.32	mg/L			04/10/20 21:29	1
<b>Fluoride</b>	<b>0.088</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 21:29	1
<b>Sulfate</b>	<b>2.4</b>		1.0	0.38	mg/L			04/10/20 21:29	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		03/25/20 15:28	04/11/20 17:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:57	1
<b>Barium</b>	<b>0.036</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:57	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:57	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:57	1
<b>Calcium</b>	<b>20</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:57	1
<b>Chromium</b>	<b>0.020</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:57	1
<b>Nickel</b>	<b>0.0016</b>		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:57	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-103812-8**

Date Collected: 03/18/20 11:06

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:57	1
<b>Vanadium</b>	<b>0.013</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>140</b>		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.34</b>				SU			03/18/20 11:06	1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-103812-9**

Date Collected: 03/18/20 14:00

Matrix: Water

Date Received: 03/20/20 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>1.9</b>		1.0	0.32	mg/L			04/10/20 22:17	1
<b>Fluoride</b>	<b>0.064</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 22:17	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 22:17	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		03/25/20 15:28	04/11/20 18:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Barium</b>	<b>0.019</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:00	1
Beryllium	<0.00018	<b>^</b>	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:00	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Chromium</b>	<b>0.0086</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:00	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:00	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Lead</b>	<b>0.0017</b>	<b>B</b>	0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Nickel</b>	<b>0.00050</b>	<b>J</b>	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:00	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:00	1
<b>Vanadium</b>	<b>0.011</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:00	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:10	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Client Sample ID: GWC-11

Date Collected: 03/18/20 14:00

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-9

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.17				SU			03/18/20 14:00	1

## Client Sample ID: GWC-12

Date Collected: 03/18/20 09:50

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.32	mg/L			04/10/20 22:32	1
Fluoride	0.046	J	0.10	0.026	mg/L			04/10/20 22:32	1
Sulfate	1.3		1.0	0.38	mg/L			04/10/20 22:32	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		03/25/20 15:28	04/11/20 18:04	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:04	1
Barium	0.018		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:04	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:04	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:04	1
Calcium	1.6		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:04	1
Chromium	0.0016	J	0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:04	1
Cobalt	0.00013	J B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:04	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:04	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:04	1
Nickel	0.00060	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:04	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:04	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:04	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:04	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:04	1
Zinc	0.0050		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:10	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	26		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.19				SU			03/18/20 09:50	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-103812-11**

Date Collected: 03/18/20 15:00

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.32	mg/L			04/10/20 22:48	1
Fluoride	0.055	J	0.10	0.026	mg/L			04/10/20 22:48	1
Sulfate	25		1.0	0.38	mg/L			04/10/20 22:48	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		03/25/20 15:28	04/11/20 18:07	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:07	1
Barium	0.058		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:07	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:07	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:07	1
Calcium	9.3		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:07	1
Chromium	0.0080		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:07	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:07	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:07	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:07	1
Nickel	0.00061	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:07	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:07	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:07	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:07	1
Vanadium	0.0010		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:07	1
Zinc	0.0052		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 19:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.81				SU			03/18/20 15:00	1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-103812-12**

Date Collected: 03/18/20 16:00

Matrix: Water

Date Received: 03/20/20 09:00

**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	0.32	mg/L			04/10/20 23:04	1
Fluoride	0.068	J	0.10	0.026	mg/L			04/10/20 23:04	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 23:04	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		03/25/20 15:28	04/11/20 18:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:11	1
Barium	0.0099	J	0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:11	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-103812-12**

Date Collected: 03/18/20 16:00

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:11	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:11	1
<b>Calcium</b>	<b>6.9</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:11	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:11	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:11	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:11	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>57</b>		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.61</b>				SU			03/18/20 16:00	1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-103812-13**

Date Collected: 03/18/20 15:15

Matrix: Water

Date Received: 03/20/20 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>5.4</b>		1.0	0.32	mg/L			04/10/20 23:20	1
<b>Fluoride</b>	<b>0.036</b>	J	0.10	0.026	mg/L			04/10/20 23:20	1
<b>Sulfate</b>	<b>3.1</b>		1.0	0.38	mg/L			04/10/20 23:20	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		03/25/20 15:28	04/11/20 18:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:21	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:21	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:21	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:21	1
<b>Calcium</b>	<b>3.8</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:21	1
<b>Cobalt</b>	<b>0.0017</b>	J B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:21	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:21	1
<b>Nickel</b>	<b>0.00043</b>	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:21	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-103812-13**

Date Collected: 03/18/20 15:15

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:21	1
<b>Vanadium</b>	<b>0.0011</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:26	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			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.42</b>				SU			03/18/20 15:15	1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-103812-14**

Date Collected: 03/18/20 09:05

Matrix: Water

Date Received: 03/20/20 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>1.7</b>		1.0	0.32	mg/L			04/10/20 18:33	1
<b>Fluoride</b>	<b>0.041</b>	J	0.10	0.026	mg/L			04/10/20 18:33	1
<b>Sulfate</b>	<b>0.67</b>	J	1.0	0.38	mg/L			04/10/20 18:33	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		03/25/20 15:28	04/11/20 18:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:25	1
<b>Barium</b>	<b>0.027</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:25	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:25	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:25	1
<b>Calcium</b>	<b>12</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:25	1
<b>Chromium</b>	<b>0.0044</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:25	1
<b>Cobalt</b>	<b>0.00034</b>	J B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:25	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:25	1
<b>Vanadium</b>	<b>0.0078</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:27	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Client Sample ID: GWA-16

Date Collected: 03/18/20 09:05

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-14

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	93		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.29				SU			03/18/20 09:05	1

## Client Sample ID: GWA-17

Date Collected: 03/18/20 08:55

Date Received: 03/20/20 09:00

## Lab Sample ID: 180-103812-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.32	mg/L			04/10/20 19:20	1
Fluoride	0.071	J	0.10	0.026	mg/L			04/10/20 19:20	1
Sulfate	0.51	J	1.0	0.38	mg/L			04/10/20 19:20	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		03/25/20 15:28	04/11/20 18:28	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:28	1
Barium	0.031		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:28	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:28	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:28	1
Calcium	7.3		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:28	1
Chromium	0.0083		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:28	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:28	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:28	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:28	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:28	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:28	1
Vanadium	0.0051		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:28	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:28	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	75		10	10	mg/L			03/22/20 07:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.03				SU			03/18/20 08:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-103812-16**

Date Collected: 03/18/20 16:55

Matrix: Water

Date Received: 03/20/20 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	0.32	mg/L			04/10/20 19:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 19:36	1
Sulfate	0.62	J	1.0	0.38	mg/L			04/10/20 19:36	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		03/25/20 15:28	04/11/20 18:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:31	1
Barium	0.036		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:31	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:31	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:31	1
Calcium	11		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:31	1
Chromium	0.014		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:31	1
Cobalt	0.00018	J B	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:31	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:31	1
Nickel	0.00034	J	0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:31	1
Vanadium	0.0075		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	92		10	10	mg/L			03/22/20 07:02	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			03/18/20 16:55	1

**Client Sample ID: FD-1(LF)**

**Lab Sample ID: 180-103812-17**

Date Collected: 03/18/20 00:00

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		1.0	0.32	mg/L			04/10/20 19:52	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 19:52	1
Sulfate	16		1.0	0.38	mg/L			04/10/20 19:52	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		03/25/20 15:28	04/11/20 18:35	1
Arsenic	0.00040	J	0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:35	1
Barium	0.042		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:35	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: FD-1(LF)**  
Date Collected: 03/18/20 00:00  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-17**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Boron</b>	<b>0.15</b>		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Calcium</b>	<b>51</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Cobalt</b>	<b>0.0027</b>	<b>B</b>	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Nickel</b>	<b>0.0043</b>		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Vanadium</b>	<b>0.0029</b>		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>320</b>		10	10	mg/L			03/22/20 07:02	1

**Client Sample ID: EB-1(LF)**  
Date Collected: 03/18/20 13:55  
Date Received: 03/20/20 09:00

**Lab Sample ID: 180-103812-18**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 21:11	1
<b>Fluoride</b>	<b>0.027</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 21:11	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 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		03/25/20 15:28	04/11/20 18:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:38	1
Barium	<0.0016		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:38	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:38	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:38	1
Calcium	<0.13		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:38	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103812-18**

Date Collected: 03/18/20 13:55

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/22/20 07:02	1

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

**Lab Sample ID: 180-103812-19**

Date Collected: 03/18/20 00:00

Matrix: Water

Date Received: 03/20/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 21:26	1
Fluoride	0.026	J	0.10	0.026	mg/L			04/10/20 21:26	1
Sulfate	0.42	J	1.0	0.38	mg/L			04/10/20 21:26	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		03/25/20 15:28	04/11/20 18:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:42	1
Barium	<0.0016		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:42	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 18:42	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 18:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 18:42	1
Calcium	<0.13		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:42	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 18:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 18:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 18:42	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 18:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 18:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 18:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 18:42	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 18:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/22/20 07:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-4**  
Date Collected: 03/19/20 08:57  
Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103889-1**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.7		1.0	0.32	mg/L			04/11/20 11:37	1
Fluoride	0.038	J	0.10	0.026	mg/L			04/11/20 11:37	1
Sulfate	4.6		1.0	0.38	mg/L			04/11/20 11:37	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		03/29/20 15:54	04/11/20 15:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:42	1
Barium	0.045		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:42	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:42	1
Calcium	14		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:42	1
Chromium	0.0045		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:42	1
Cobalt	0.00021	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:42	1
Lead	0.00019	J	0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:42	1
Nickel	0.00073	J	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:42	1
Thallium	0.00036	J	0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:42	1
Vanadium	0.0065		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/24/20 08:00	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			03/19/20 08:57	1

**Client Sample ID: GWC-7**  
Date Collected: 03/19/20 10:07  
Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103889-2**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.32	mg/L			04/11/20 11:52	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 11:52	1
Sulfate	0.54	J	1.0	0.38	mg/L			04/11/20 11:52	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		03/29/20 15:54	04/11/20 15:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:45	1
Barium	0.036		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:45	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-7**

**Date Collected: 03/19/20 10:07**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-2**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:45	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:45	1
<b>Calcium</b>	<b>15</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:45	1
<b>Chromium</b>	<b>0.011</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:45	1
<b>Cobalt</b>	<b>0.00013</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:45	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:45	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:45	1
<b>Vanadium</b>	<b>0.014</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.00011</b>	<b>J</b>	0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>98</b>		10	10	mg/L			03/24/20 08:00	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.41</b>				SU			03/19/20 10:07	1

**Client Sample ID: GWC-19**

**Date Collected: 03/19/20 09:46**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103889-3**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.2</b>		1.0	0.32	mg/L			04/11/20 12:08	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 12:08	1
<b>Sulfate</b>	<b>0.64</b>	<b>J</b>	1.0	0.38	mg/L			04/11/20 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		03/29/20 15:54	04/11/20 15:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Barium</b>	<b>0.025</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:48	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Chromium</b>	<b>0.012</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Cobalt</b>	<b>0.00014</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Nickel</b>	<b>0.00047</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:48	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-103889-3**

Date Collected: 03/19/20 09:46

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:48	1
<b>Vanadium</b>	<b>0.0080</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>110</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>6.27</b>				SU			03/19/20 09:46	1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-103889-4**

Date Collected: 03/19/20 11:25

Matrix: Water

Date Received: 03/21/20 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>2.2</b>		1.0	0.32	mg/L			04/11/20 12:24	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 12:24	1
<b>Sulfate</b>	<b>0.71</b>	<b>J</b>	1.0	0.38	mg/L			04/11/20 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		03/29/20 15:54	04/11/20 15:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Barium</b>	<b>0.032</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:52	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Chromium</b>	<b>0.0094</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Cobalt</b>	<b>0.00026</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Nickel</b>	<b>0.00098</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:52	1
<b>Vanadium</b>	<b>0.019</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:32	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-103889-4**

Date Collected: 03/19/20 11:25

Matrix: Water

Date Received: 03/21/20 09:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.47				SU			03/19/20 11:25	1

**Client Sample ID: FD-2(LF)**

**Lab Sample ID: 180-103889-5**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.1		1.0	0.32	mg/L			04/11/20 12:40	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/11/20 12:40	1
Sulfate	4.7		1.0	0.38	mg/L			04/11/20 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		03/29/20 15:54	04/11/20 15:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:55	1
Barium	0.045		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:55	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:55	1
Calcium	14		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:55	1
Chromium	0.0050		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:55	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:55	1
Nickel	0.00067	J	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:55	1
Vanadium	0.0068		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:55	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/24/20 12:12	1

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

**Lab Sample ID: 180-103889-6**

Date Collected: 03/19/20 10:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 14:15	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103889-6**

Date Collected: 03/19/20 10:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 14:15	1
Sulfate	<b>0.42</b>	<b>J</b>	1.0	0.38	mg/L			04/11/20 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		03/29/20 15:54	04/11/20 15:59	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:59	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:59	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:59	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:59	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:59	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:59	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:59	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:59	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:59	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:59	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/24/20 12:12	1

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

**Lab Sample ID: 180-103889-7**

Date Collected: 03/19/20 10:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<b>0.56</b>	<b>J</b>	1.0	0.32	mg/L			04/11/20 14:31	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 14:31	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 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		03/29/20 15:54	04/11/20 16:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:02	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:02	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:02	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:02	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103889-7**

**Date Collected: 03/19/20 10:00**

**Matrix: Water**

**Date Received: 03/21/20 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:02	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:02	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:02	1
<b>Zinc</b>	<b>0.0032</b>	<b>J</b>	0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/24/20 12:12	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: MB 180-312544/48**  
**Matrix: Water**  
**Analysis Batch: 312544**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 18:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 18:17	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 18:17	1

**Lab Sample ID: MB 180-312544/6**  
**Matrix: Water**  
**Analysis Batch: 312544**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 07:13	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 07:13	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 07:13	1

**Lab Sample ID: LCS 180-312544/47**  
**Matrix: Water**  
**Analysis Batch: 312544**

**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	48.2		mg/L		96	90 - 110
Fluoride	2.50	2.30		mg/L		92	90 - 110
Sulfate	50.0	47.5		mg/L		95	90 - 110

**Lab Sample ID: 180-103812-14 MS**  
**Matrix: Water**  
**Analysis Batch: 312544**

**Client Sample ID: GWA-16**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.7		25.0	26.2		mg/L		98	80 - 120
Fluoride	0.041	J	1.25	1.20		mg/L		93	80 - 120
Sulfate	0.67	J	25.0	24.7		mg/L		96	80 - 120

**Lab Sample ID: 180-103812-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 312544**

**Client Sample ID: GWA-16**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.7		25.0	26.5		mg/L		99	80 - 120	1	20
Fluoride	0.041	J	1.25	1.21		mg/L		94	80 - 120	1	20
Sulfate	0.67	J	25.0	24.8		mg/L		97	80 - 120	1	20

**Lab Sample ID: MB 180-312565/41**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 19:23	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 19:23	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 19:23	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: MB 180-312565/6**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 09:53	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 09:53	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 09:53	1

**Lab Sample ID: LCS 180-312565/40**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	50.4		mg/L		101	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110

**Lab Sample ID: LCS 180-312565/5**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110

**Lab Sample ID: 180-103812-5 MS**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	4.0		25.0	30.1		mg/L		105	80 - 120
Fluoride	0.082	J	1.25	1.41		mg/L		106	80 - 120
Sulfate	5.6		25.0	30.9		mg/L		101	80 - 120

**Lab Sample ID: 180-103812-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	4.0		25.0	28.9		mg/L		100	80 - 120	4	20
Fluoride	0.082	J	1.25	1.35		mg/L		101	80 - 120	4	20
Sulfate	5.6		25.0	29.8		mg/L		97	80 - 120	4	20

**Lab Sample ID: MB 180-312641/6**  
**Matrix: Water**  
**Analysis Batch: 312641**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 07:55	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 07:55	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 07:55	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: LCS 180-312641/5**  
**Matrix: Water**  
**Analysis Batch: 312641**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.7		mg/L		99	90 - 110
Fluoride	2.50	2.44		mg/L		98	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110

**Lab Sample ID: 180-104219-B-5 MS**  
**Matrix: Water**  
**Analysis Batch: 312641**

**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	10		25.0	35.2		mg/L		100	80 - 120
Fluoride	<0.026	F1	1.25	1.00		mg/L		80	80 - 120
Sulfate	72	F1	25.0	94.0		mg/L		88	80 - 120

**Lab Sample ID: 180-104219-B-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 312641**

**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	10		25.0	33.8		mg/L		94	80 - 120	4	20
Fluoride	<0.026	F1	1.25	0.956	F1	mg/L		76	80 - 120	5	20
Sulfate	72	F1	25.0	90.0	F1	mg/L		72	80 - 120	4	20

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

**Lab Sample ID: MB 180-311118/1-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311118**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/25/20 15:28	04/11/20 17:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 17:19	1
Barium	<0.0016		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 17:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/25/20 15:28	04/11/20 17:19	1
Boron	<0.039		0.080	0.039	mg/L		03/25/20 15:28	04/11/20 17:19	1
Cadmium	0.000223	J	0.0025	0.00022	mg/L		03/25/20 15:28	04/11/20 17:19	1
Calcium	<0.13		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 17:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 17:19	1
Cobalt	0.000183	J	0.0025	0.00013	mg/L		03/25/20 15:28	04/11/20 17:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/25/20 15:28	04/11/20 17:19	1
Lead	0.000288	J	0.0010	0.00013	mg/L		03/25/20 15:28	04/11/20 17:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/25/20 15:28	04/11/20 17:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/25/20 15:28	04/11/20 17:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/25/20 15:28	04/11/20 17:19	1
Thallium	0.000546	J	0.0010	0.00015	mg/L		03/25/20 15:28	04/11/20 17:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/25/20 15:28	04/11/20 17:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/25/20 15:28	04/11/20 17:19	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: LCS 180-311118/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311118**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.242		mg/L		97	80 - 120
Arsenic	1.00	0.920		mg/L		92	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.510		mg/L		102	80 - 120
Boron	1.25	1.22		mg/L		98	80 - 120
Cadmium	0.500	0.504		mg/L		101	80 - 120
Calcium	25.0	27.8		mg/L		111	80 - 120
Chromium	0.500	0.507		mg/L		101	80 - 120
Cobalt	0.500	0.456		mg/L		91	80 - 120
Copper	0.500	0.512		mg/L		102	80 - 120
Lead	0.500	0.490		mg/L		98	80 - 120
Nickel	0.500	0.453		mg/L		91	80 - 120
Selenium	1.00	0.962		mg/L		96	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.506		mg/L		101	80 - 120
Zinc	0.250	0.234		mg/L		94	80 - 120

**Lab Sample ID: LCS 180-311118/2-A**  
**Matrix: Water**  
**Analysis Batch: 312912**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311118**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.250	0.251		mg/L		100	80 - 120

**Lab Sample ID: 180-103812-19 MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: FB-1(LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.257		mg/L		103	75 - 125
Arsenic	<0.00031		1.00	0.929		mg/L		93	75 - 125
Barium	<0.0016		1.00	1.08		mg/L		108	75 - 125
Beryllium	<0.00018	^	0.500	0.534	^	mg/L		107	75 - 125
Boron	<0.039		1.25	1.27		mg/L		102	75 - 125
Cadmium	<0.00022		0.500	0.527		mg/L		105	75 - 125
Calcium	<0.13		25.0	29.5		mg/L		118	75 - 125
Chromium	<0.0015		0.500	0.535		mg/L		107	75 - 125
Cobalt	<0.00013		0.500	0.475		mg/L		95	75 - 125
Copper	<0.00063		0.500	0.551		mg/L		110	75 - 125
Lead	<0.00013		0.500	0.511		mg/L		102	75 - 125
Nickel	<0.00034		0.500	0.471		mg/L		94	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.274		mg/L		110	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125
Vanadium	<0.00099		0.500	0.531		mg/L		106	75 - 125
Zinc	<0.0032		0.250	0.242		mg/L		97	75 - 125



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103812-19 MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: FB-1(LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.261		mg/L		104	75 - 125	2	20
Arsenic	<0.00031		1.00	0.937		mg/L		94	75 - 125	1	20
Barium	<0.0016		1.00	1.08		mg/L		108	75 - 125	0	20
Beryllium	<0.00018	^	0.500	0.547	^	mg/L		109	75 - 125	2	20
Boron	<0.039		1.25	1.30		mg/L		104	75 - 125	3	20
Cadmium	<0.00022		0.500	0.528		mg/L		106	75 - 125	0	20
Calcium	<0.13		25.0	28.5		mg/L		114	75 - 125	3	20
Chromium	<0.0015		0.500	0.534		mg/L		107	75 - 125	0	20
Cobalt	<0.00013		0.500	0.473		mg/L		95	75 - 125	0	20
Copper	<0.00063		0.500	0.546		mg/L		109	75 - 125	1	20
Lead	<0.00013		0.500	0.516		mg/L		103	75 - 125	1	20
Nickel	<0.00034		0.500	0.471		mg/L		94	75 - 125	0	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Silver	<0.00018		0.250	0.278		mg/L		111	75 - 125	1	20
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125	2	20
Vanadium	<0.00099		0.500	0.532		mg/L		106	75 - 125	0	20
Zinc	<0.0032		0.250	0.248		mg/L		99	75 - 125	2	20

**Lab Sample ID: MB 180-311483/1-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 15:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:35	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:35	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:35	1

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

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	0.941		mg/L		94	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Beryllium	0.500	0.481		mg/L		96	80 - 120
Boron	1.25	1.29		mg/L		103	80 - 120
Cadmium	0.500	0.496		mg/L		99	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.460		mg/L		92	80 - 120
Copper	0.500	0.490		mg/L		98	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.452		mg/L		90	80 - 120
Selenium	1.00	0.984		mg/L		98	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.499		mg/L		100	80 - 120
Zinc	0.250	0.234		mg/L		94	80 - 120

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312912**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.250	0.265		mg/L		106	80 - 120

**Lab Sample ID: 180-103893-B-4-B MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.258		mg/L		103	75 - 125
Arsenic	<0.00031		1.00	0.971		mg/L		97	75 - 125
Barium	0.023		1.00	1.11		mg/L		109	75 - 125
Beryllium	<0.00018		0.500	0.553		mg/L		111	75 - 125
Boron	<0.039		1.25	1.30		mg/L		104	75 - 125
Cadmium	<0.00022		0.500	0.533		mg/L		107	75 - 125
Calcium	6.7		25.0	36.7		mg/L		120	75 - 125
Chromium	0.0043		0.500	0.544		mg/L		108	75 - 125
Cobalt	0.00025	J	0.500	0.480		mg/L		96	75 - 125
Copper	<0.00063		0.500	0.551		mg/L		110	75 - 125
Lead	<0.00013		0.500	0.525		mg/L		105	75 - 125
Nickel	<0.00034		0.500	0.474		mg/L		95	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.272		mg/L		109	75 - 125
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125
Vanadium	0.0033		0.500	0.543		mg/L		108	75 - 125
Zinc	0.0035	J	0.250	0.248		mg/L		98	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: 180-103893-B-4-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.253		mg/L		101	75 - 125	2	20
Arsenic	<0.00031		1.00	0.933		mg/L		93	75 - 125	4	20
Barium	0.023		1.00	1.08		mg/L		106	75 - 125	3	20
Beryllium	<0.00018		0.500	0.533		mg/L		107	75 - 125	4	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	1	20
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125	3	20
Calcium	6.7		25.0	34.9		mg/L		113	75 - 125	5	20
Chromium	0.0043		0.500	0.532		mg/L		106	75 - 125	2	20
Cobalt	0.00025	J	0.500	0.469		mg/L		94	75 - 125	2	20
Copper	<0.00063		0.500	0.540		mg/L		108	75 - 125	2	20
Lead	<0.00013		0.500	0.513		mg/L		103	75 - 125	2	20
Nickel	<0.00034		0.500	0.462		mg/L		92	75 - 125	3	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	2	20
Silver	<0.00018		0.250	0.268		mg/L		107	75 - 125	1	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	3	20
Vanadium	0.0033		0.500	0.529		mg/L		105	75 - 125	3	20
Zinc	0.0035	J	0.250	0.241		mg/L		95	75 - 125	3	20

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

**Lab Sample ID: MB 180-311571/1-A**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311571**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:50	03/31/20 18:52	1

**Lab Sample ID: LCS 180-311571/2-A**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311571**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	0.00250	0.00280		mg/L		112	80 - 120

**Lab Sample ID: 180-103812-1 MS**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: GWC-1**  
**Prep Type: Total/NA**  
**Prep Batch: 311571**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.00010		0.00100	0.00118		mg/L		118	75 - 125

**Lab Sample ID: 180-103812-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: GWC-1**  
**Prep Type: Total/NA**  
**Prep Batch: 311571**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	<0.00010		0.00100	0.00115		mg/L		115	75 - 125	3	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

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

**Lab Sample ID: MB 180-311572/1-A**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311572**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/30/20 17:53	03/31/20 19:23	1

**Lab Sample ID: LCS 180-311572/2-A**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311572**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00264		mg/L		105	80 - 120

**Lab Sample ID: 180-103853-E-6-C MS**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.00112		mg/L		112	75 - 125

**Lab Sample ID: 180-103853-E-6-D MSD**  
**Matrix: Water**  
**Analysis Batch: 311711**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.00115		mg/L		115	75 - 125	3	20

**Lab Sample ID: MB 180-311684/1-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311684**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:23	04/01/20 16:11	1

**Lab Sample ID: LCS 180-311684/2-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311684**

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

**Lab Sample ID: 180-103810-B-11-C MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311684**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.000991		mg/L		99	75 - 125

**Lab Sample ID: 180-103810-B-11-D MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311684**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.000971		mg/L		97	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-310716/2**  
**Matrix: Water**  
**Analysis Batch: 310716**

**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			03/22/20 07:02	1

**Lab Sample ID: LCS 180-310716/1**  
**Matrix: Water**  
**Analysis Batch: 310716**

**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	242	244		mg/L		101	80 - 120

**Lab Sample ID: 180-103812-17 DU**  
**Matrix: Water**  
**Analysis Batch: 310716**

**Client Sample ID: FD-1(LF)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	320		333		mg/L		4	10

**Lab Sample ID: 180-103853-C-24 DU**  
**Matrix: Water**  
**Analysis Batch: 310716**

**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	210		213		mg/L		0	10

**Lab Sample ID: MB 180-310933/2**  
**Matrix: Water**  
**Analysis Batch: 310933**

**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			03/24/20 08:00	1

**Lab Sample ID: LCS 180-310933/1**  
**Matrix: Water**  
**Analysis Batch: 310933**

**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	242	236		mg/L		98	80 - 120

**Lab Sample ID: 180-103809-B-8 DU**  
**Matrix: Water**  
**Analysis Batch: 310933**

**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		410		mg/L		10	10

**Lab Sample ID: MB 180-310953/2**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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			03/24/20 12:12	1

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: LCS 180-310953/1**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	242	226		mg/L		93	80 - 120

**Lab Sample ID: 180-103889-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**Client Sample ID: FD-2(LF)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	130		127		mg/L		5	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: 180-103812-1

## HPLC/IC

### Analysis Batch: 312544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-14	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-103812-15	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-103812-16	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-103812-17	FD-1(LF)	Total/NA	Water	EPA 300.0 R2.1	
180-103812-18	EB-1(LF)	Total/NA	Water	EPA 300.0 R2.1	
180-103812-19	FB-1(LF)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312544/48	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312544/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312544/47	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103812-14 MS	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-103812-14 MSD	GWA-16	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-103812-2	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-103812-3	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-103812-4	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-103812-5	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-103812-6	GWC-8A	Total/NA	Water	EPA 300.0 R2.1	
180-103812-7	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-103812-8	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-103812-9	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-103812-10	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-103812-11	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-103812-12	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-103812-13	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312565/41	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312565/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312565/40	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312565/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103812-5 MS	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-103812-5 MSD	GWC-6	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-1	GWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-103889-2	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-103889-3	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-103889-4	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-103889-5	FD-2(LF)	Total/NA	Water	EPA 300.0 R2.1	
180-103889-6	FB-2(LF)	Total/NA	Water	EPA 300.0 R2.1	
180-103889-7	EB-2(LF)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312641/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312641/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104219-B-5 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104219-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Metals

### Prep Batch: 311118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total Recoverable	Water	3005A	
180-103812-2	GWC-2	Total Recoverable	Water	3005A	
180-103812-3	GWC-3	Total Recoverable	Water	3005A	
180-103812-4	GWC-5	Total Recoverable	Water	3005A	
180-103812-5	GWC-6	Total Recoverable	Water	3005A	
180-103812-6	GWC-8A	Total Recoverable	Water	3005A	
180-103812-7	GWC-9	Total Recoverable	Water	3005A	
180-103812-8	GWC-10	Total Recoverable	Water	3005A	
180-103812-9	GWC-11	Total Recoverable	Water	3005A	
180-103812-10	GWC-12	Total Recoverable	Water	3005A	
180-103812-11	GWC-13	Total Recoverable	Water	3005A	
180-103812-12	GWC-14	Total Recoverable	Water	3005A	
180-103812-13	GWA-15	Total Recoverable	Water	3005A	
180-103812-14	GWA-16	Total Recoverable	Water	3005A	
180-103812-15	GWA-17	Total Recoverable	Water	3005A	
180-103812-16	GWC-18	Total Recoverable	Water	3005A	
180-103812-17	FD-1(LF)	Total Recoverable	Water	3005A	
180-103812-18	EB-1(LF)	Total Recoverable	Water	3005A	
180-103812-19	FB-1(LF)	Total Recoverable	Water	3005A	
MB 180-311118/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311118/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103812-19 MS	FB-1(LF)	Total Recoverable	Water	3005A	
180-103812-19 MSD	FB-1(LF)	Total Recoverable	Water	3005A	

### Prep Batch: 311483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-1	GWC-4	Total Recoverable	Water	3005A	
180-103889-2	GWC-7	Total Recoverable	Water	3005A	
180-103889-3	GWC-19	Total Recoverable	Water	3005A	
180-103889-4	GWC-20	Total Recoverable	Water	3005A	
180-103889-5	FD-2(LF)	Total Recoverable	Water	3005A	
180-103889-6	FB-2(LF)	Total Recoverable	Water	3005A	
180-103889-7	EB-2(LF)	Total Recoverable	Water	3005A	
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103893-B-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-103893-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 311571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total/NA	Water	7470A	
180-103812-2	GWC-2	Total/NA	Water	7470A	
180-103812-3	GWC-3	Total/NA	Water	7470A	
180-103812-4	GWC-5	Total/NA	Water	7470A	
180-103812-5	GWC-6	Total/NA	Water	7470A	
180-103812-6	GWC-8A	Total/NA	Water	7470A	
180-103812-7	GWC-9	Total/NA	Water	7470A	
180-103812-8	GWC-10	Total/NA	Water	7470A	
180-103812-9	GWC-11	Total/NA	Water	7470A	
180-103812-10	GWC-12	Total/NA	Water	7470A	
180-103812-11	GWC-13	Total/NA	Water	7470A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Metals (Continued)

### Prep Batch: 311571 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-311571/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311571/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103812-1 MS	GWC-1	Total/NA	Water	7470A	
180-103812-1 MSD	GWC-1	Total/NA	Water	7470A	

### Prep Batch: 311572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-12	GWC-14	Total/NA	Water	7470A	
180-103812-13	GWA-15	Total/NA	Water	7470A	
180-103812-14	GWA-16	Total/NA	Water	7470A	
180-103812-15	GWA-17	Total/NA	Water	7470A	
180-103812-16	GWC-18	Total/NA	Water	7470A	
180-103812-17	FD-1(LF)	Total/NA	Water	7470A	
180-103812-18	EB-1(LF)	Total/NA	Water	7470A	
180-103812-19	FB-1(LF)	Total/NA	Water	7470A	
MB 180-311572/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311572/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103853-E-6-C MS	Matrix Spike	Total/NA	Water	7470A	
180-103853-E-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 311684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-1	GWC-4	Total/NA	Water	7470A	
180-103889-2	GWC-7	Total/NA	Water	7470A	
180-103889-3	GWC-19	Total/NA	Water	7470A	
180-103889-4	GWC-20	Total/NA	Water	7470A	
180-103889-5	FD-2(LF)	Total/NA	Water	7470A	
180-103889-6	FB-2(LF)	Total/NA	Water	7470A	
180-103889-7	EB-2(LF)	Total/NA	Water	7470A	
MB 180-311684/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311684/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103810-B-11-C MS	Matrix Spike	Total/NA	Water	7470A	
180-103810-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 311711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total/NA	Water	EPA 7470A	311571
180-103812-2	GWC-2	Total/NA	Water	EPA 7470A	311571
180-103812-3	GWC-3	Total/NA	Water	EPA 7470A	311571
180-103812-4	GWC-5	Total/NA	Water	EPA 7470A	311571
180-103812-5	GWC-6	Total/NA	Water	EPA 7470A	311571
180-103812-6	GWC-8A	Total/NA	Water	EPA 7470A	311571
180-103812-7	GWC-9	Total/NA	Water	EPA 7470A	311571
180-103812-8	GWC-10	Total/NA	Water	EPA 7470A	311571
180-103812-9	GWC-11	Total/NA	Water	EPA 7470A	311571
180-103812-10	GWC-12	Total/NA	Water	EPA 7470A	311571
180-103812-11	GWC-13	Total/NA	Water	EPA 7470A	311571
180-103812-12	GWC-14	Total/NA	Water	EPA 7470A	311572
180-103812-13	GWA-15	Total/NA	Water	EPA 7470A	311572
180-103812-14	GWA-16	Total/NA	Water	EPA 7470A	311572
180-103812-15	GWA-17	Total/NA	Water	EPA 7470A	311572

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Metals (Continued)

### Analysis Batch: 311711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-16	GWC-18	Total/NA	Water	EPA 7470A	311572
180-103812-17	FD-1(LF)	Total/NA	Water	EPA 7470A	311572
180-103812-18	EB-1(LF)	Total/NA	Water	EPA 7470A	311572
180-103812-19	FB-1(LF)	Total/NA	Water	EPA 7470A	311572
MB 180-311571/1-A	Method Blank	Total/NA	Water	EPA 7470A	311571
MB 180-311572/1-A	Method Blank	Total/NA	Water	EPA 7470A	311572
LCS 180-311571/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311571
LCS 180-311572/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311572
180-103812-1 MS	GWC-1	Total/NA	Water	EPA 7470A	311571
180-103812-1 MSD	GWC-1	Total/NA	Water	EPA 7470A	311571
180-103853-E-6-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	311572
180-103853-E-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311572

### Analysis Batch: 311830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-1	GWC-4	Total/NA	Water	EPA 7470A	311684
180-103889-2	GWC-7	Total/NA	Water	EPA 7470A	311684
180-103889-3	GWC-19	Total/NA	Water	EPA 7470A	311684
180-103889-4	GWC-20	Total/NA	Water	EPA 7470A	311684
180-103889-5	FD-2(LF)	Total/NA	Water	EPA 7470A	311684
180-103889-6	FB-2(LF)	Total/NA	Water	EPA 7470A	311684
180-103889-7	EB-2(LF)	Total/NA	Water	EPA 7470A	311684
MB 180-311684/1-A	Method Blank	Total/NA	Water	EPA 7470A	311684
LCS 180-311684/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311684
180-103810-B-11-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	311684
180-103810-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311684

### Analysis Batch: 312766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total Recoverable	Water	EPA 6020B	311118
180-103812-2	GWC-2	Total Recoverable	Water	EPA 6020B	311118
180-103812-3	GWC-3	Total Recoverable	Water	EPA 6020B	311118
180-103812-4	GWC-5	Total Recoverable	Water	EPA 6020B	311118
180-103812-5	GWC-6	Total Recoverable	Water	EPA 6020B	311118
180-103812-6	GWC-8A	Total Recoverable	Water	EPA 6020B	311118
180-103812-7	GWC-9	Total Recoverable	Water	EPA 6020B	311118
180-103812-8	GWC-10	Total Recoverable	Water	EPA 6020B	311118
180-103812-9	GWC-11	Total Recoverable	Water	EPA 6020B	311118
180-103812-10	GWC-12	Total Recoverable	Water	EPA 6020B	311118
180-103812-11	GWC-13	Total Recoverable	Water	EPA 6020B	311118
180-103812-12	GWC-14	Total Recoverable	Water	EPA 6020B	311118
180-103812-13	GWA-15	Total Recoverable	Water	EPA 6020B	311118
180-103812-14	GWA-16	Total Recoverable	Water	EPA 6020B	311118
180-103812-15	GWA-17	Total Recoverable	Water	EPA 6020B	311118
180-103812-16	GWC-18	Total Recoverable	Water	EPA 6020B	311118
180-103812-17	FD-1(LF)	Total Recoverable	Water	EPA 6020B	311118
180-103812-18	EB-1(LF)	Total Recoverable	Water	EPA 6020B	311118
180-103812-19	FB-1(LF)	Total Recoverable	Water	EPA 6020B	311118
180-103889-1	GWC-4	Total Recoverable	Water	EPA 6020B	311483
180-103889-2	GWC-7	Total Recoverable	Water	EPA 6020B	311483
180-103889-3	GWC-19	Total Recoverable	Water	EPA 6020B	311483

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## Metals (Continued)

### Analysis Batch: 312766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-4	GWC-20	Total Recoverable	Water	EPA 6020B	311483
180-103889-5	FD-2(LF)	Total Recoverable	Water	EPA 6020B	311483
180-103889-6	FB-2(LF)	Total Recoverable	Water	EPA 6020B	311483
180-103889-7	EB-2(LF)	Total Recoverable	Water	EPA 6020B	311483
MB 180-311118/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311118
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311483
LCS 180-311118/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311118
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483
180-103812-19 MS	FB-1(LF)	Total Recoverable	Water	EPA 6020B	311118
180-103812-19 MSD	FB-1(LF)	Total Recoverable	Water	EPA 6020B	311118
180-103893-B-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	311483
180-103893-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	311483

### Analysis Batch: 312912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-311118/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311118
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483

## General Chemistry

### Analysis Batch: 310716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total/NA	Water	SM 2540C	
180-103812-2	GWC-2	Total/NA	Water	SM 2540C	
180-103812-3	GWC-3	Total/NA	Water	SM 2540C	
180-103812-4	GWC-5	Total/NA	Water	SM 2540C	
180-103812-5	GWC-6	Total/NA	Water	SM 2540C	
180-103812-6	GWC-8A	Total/NA	Water	SM 2540C	
180-103812-7	GWC-9	Total/NA	Water	SM 2540C	
180-103812-8	GWC-10	Total/NA	Water	SM 2540C	
180-103812-9	GWC-11	Total/NA	Water	SM 2540C	
180-103812-10	GWC-12	Total/NA	Water	SM 2540C	
180-103812-11	GWC-13	Total/NA	Water	SM 2540C	
180-103812-12	GWC-14	Total/NA	Water	SM 2540C	
180-103812-13	GWA-15	Total/NA	Water	SM 2540C	
180-103812-14	GWA-16	Total/NA	Water	SM 2540C	
180-103812-15	GWA-17	Total/NA	Water	SM 2540C	
180-103812-16	GWC-18	Total/NA	Water	SM 2540C	
180-103812-17	FD-1(LF)	Total/NA	Water	SM 2540C	
180-103812-18	EB-1(LF)	Total/NA	Water	SM 2540C	
180-103812-19	FB-1(LF)	Total/NA	Water	SM 2540C	
MB 180-310716/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-310716/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103812-17 DU	FD-1(LF)	Total/NA	Water	SM 2540C	
180-103853-C-24 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 310933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-1	GWC-4	Total/NA	Water	SM 2540C	
180-103889-2	GWC-7	Total/NA	Water	SM 2540C	
MB 180-310933/2	Method Blank	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-103812-1

## General Chemistry (Continued)

### Analysis Batch: 310933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-310933/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103809-B-8 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 310953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103889-3	GWC-19	Total/NA	Water	SM 2540C	
180-103889-4	GWC-20	Total/NA	Water	SM 2540C	
180-103889-5	FD-2(LF)	Total/NA	Water	SM 2540C	
180-103889-6	FB-2(LF)	Total/NA	Water	SM 2540C	
180-103889-7	EB-2(LF)	Total/NA	Water	SM 2540C	
MB 180-310953/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-310953/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103889-5 DU	FD-2(LF)	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 310781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103812-1	GWC-1	Total/NA	Water	Field Sampling	
180-103812-2	GWC-2	Total/NA	Water	Field Sampling	
180-103812-3	GWC-3	Total/NA	Water	Field Sampling	
180-103812-4	GWC-5	Total/NA	Water	Field Sampling	
180-103812-5	GWC-6	Total/NA	Water	Field Sampling	
180-103812-6	GWC-8A	Total/NA	Water	Field Sampling	
180-103812-7	GWC-9	Total/NA	Water	Field Sampling	
180-103812-8	GWC-10	Total/NA	Water	Field Sampling	
180-103812-9	GWC-11	Total/NA	Water	Field Sampling	
180-103812-10	GWC-12	Total/NA	Water	Field Sampling	
180-103812-11	GWC-13	Total/NA	Water	Field Sampling	
180-103812-12	GWC-14	Total/NA	Water	Field Sampling	
180-103812-13	GWA-15	Total/NA	Water	Field Sampling	
180-103812-14	GWA-16	Total/NA	Water	Field Sampling	
180-103812-15	GWA-17	Total/NA	Water	Field Sampling	
180-103812-16	GWC-18	Total/NA	Water	Field Sampling	
180-103889-1	GWC-4	Total/NA	Water	Field Sampling	
180-103889-2	GWC-7	Total/NA	Water	Field Sampling	
180-103889-3	GWC-19	Total/NA	Water	Field Sampling	
180-103889-4	GWC-20	Total/NA	Water	Field Sampling	

**TestAmerica Pittsburgh**  
 301 Alpha Drive  
 PECO Park  
 Pittsburgh, PA 15228-2027  
 phone 412.963.7058 fax 412.963.2468

**Chain of Custody Record**

**TestAmerica**  
 10000 Northpark Drive  
 Dallas, TX 75243

Regulatory Program:  SW  WQS  WQS  Other

Client Contact: **Jojo Abraham**  
 Southern Company  
 3411 South Middle Blvd SE, #1100B  
 Atlanta, GA 30308

Project Name: **CCR - Plant Scheme Cell 1**  
 Site: **Georgia**  
 PTO #: **1901954**

Project Manager: **Devin Pfeil**  
 Tel/Fax: **344-534-4448**

Site Contact: **Chris Tibrell**  
 Lab Contact: **Veronica Borok**

Date: **3/19/20**  
 Carrier: **1 of 2 COCs**

Analysis Turnaround Time:  
 Out-of-lab  In-lab (not used)  
 Total # returns from below: **14** (not used)  
 2 weeks  
 1 week  
 3 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (Volume, Inhibitor)	# of Matrix Comp.	Sample Specifics	
					Matrix	Notes
GWC-1	3/19/2020	11:15	G Water	2	X	pH = 8.33
GWC-2	3/19/2020	11:32	G Water	2	X	pH = 8.41
GWC-3	3/19/2020	10:08	G Water	2	X	pH = 8.90
GWC-4	3/19/2020	12:05	G Water	2	X	pH = 8.81
GWC-5	3/19/2020	13:49	G Water	2	X	pH = 8.19
GWC-6A	3/19/2020	08:43	G Water	2	X	pH = 8.42
GWC-9	3/19/2020	09:31	G Water	2	X	pH = 8.81
GWC-10	3/19/2020	11:08	G Water	2	X	pH = 8.34
GWC-11	3/19/2020	14:00	G Water	2	X	pH = 8.17
GWC-12	3/19/2020	09:50	G Water	2	X	pH = 8.19
GWC-13	3/19/2020	15:00	G Water	2	X	pH = 8.81
GWC-14	3/19/2020	16:00	G Water	2	X	pH = 8.81

Preservation Used:  Ice,  HCl,  HNO3,  H2SO4,  H2O2,  Other

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

Special Instructions/CC Requirements & Comments:

Returned to Client:   Discard in Lab  Analyze for: **Mercury**

Custody Seal Intact:  Yes  No

Acquisition by: **Jojo Abraham**  
 Date: **3/19/20**  
 Signature: **[Signature]**  
 Title: **Analyst**

Company: **Southern Company**  
 Date: **3/19/20**  
 Signature: **[Signature]**  
 Title: **Analyst**

Company: **Southern Company**  
 Date: **3/19/20**  
 Signature: **[Signature]**  
 Title: **Analyst**

Form No. CA-COC-002, Rev. 4.20, dated 2/28/2019



Regulatory Program:  Air  Lead  PCBs  Other

Client Contact: **Site Contact: Chris Tubwell** Date: 2/19/2020  
 Project Manager: Dawn Freil Lab Contact: Veronica Borlot  
 Cell: 412-683-1000 Fax: 412-683-2488

COG: No. 3 of 3 COCs  
 Sample: Per Lab User Only:  
 Analyte Client:  
 Lab Sampling:  
 Job (SDD) No.:

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., water, soil)	Matrix	# of Containers	Analysis Turnaround Time		Sample Specific Notes
						Analysis	Reporting	
GWS-01	2/18/2020	15:15	G	Water	2			pH = 8.42
GWS-01	2/18/2020	09:05	G	Water	2			pH = 8.29
GWS-07	2/18/2020	09:05	G	Water	2			pH = 8.03
GWS-01	2/18/2020	16:05	G	Water	2			pH = 8.50
FD-1(LP)	2/18/2020	-	G	Water	2			
FB-1(LP)	2/18/2020	13:05	G	Water	2			
FB-1(LP)	2/18/2020	-	G	Water	2			

Preservation Used:  Ice,  HCl,  HNO<sub>3</sub>,  H<sub>2</sub>SO<sub>4</sub>,  H<sub>2</sub>O<sub>2</sub>,  H<sub>2</sub>SO<sub>4</sub>,  H<sub>2</sub>SO<sub>4</sub>,  Other \_\_\_\_\_  
 Sample Disposed (A fee may be assessed if samples are retained longer than 1 month)

Comments:  Spill  Hazardous  Air  Unknown  
 Essential Instructions/OC Requirements & Comments:

OC Seal No.: \_\_\_\_\_  
 Chain of Custody Seal No.: \_\_\_\_\_  
 Analyzed by: **Christine Cook** Date: 2/19/2020  
 Collected by: **Christine Cook** Date: 2/19/2020  
 Acquired by: **Christine Cook** Date: 2/19/2020

Company: **Carrier Now** Job No: **3-19-20** Date: **2/19/2020**  
 Company: **Carrier Now** Job No: **3-19-20** Date: **2/19/2020**  
 Company: **Carrier Now** Job No: **3-19-20** Date: **2/19/2020**

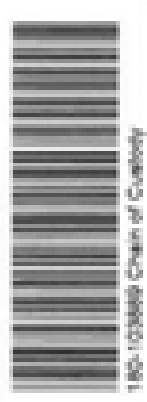


# Chain of Custody Record

Regulatory Program:  Air  SWD  ICA  Other

Client Contact: **ATLANTA**  
 Project Manager: **Green Prill**  
 Tel/Fax: **248-838-5448**  
 Analysis Turnaround Time:  Routine serv.  Expedited serv.  
 (Add # different from below)  24 hrs.  48 hrs.  72 hrs.  1 week  2 days  1 day

Sample Identification	Sample Code	Sample Time	Sample Type (Volume, Temp)	Matrix	# of Cont.	Lab Contact: Veronica Borcia		Date: 3/18/20	
						Lab Contact: Veronica Borcia	Carrier	Lab Contact: Chris Tidwell	Carrier
GW-4	3/18/20	8:37	G Water		2	X	X	X	X
GW-7	3/18/20	10:07	G Water		2	X	X	X	X
GW-18	3/18/20	09:49	G Water		2	X	X	X	X
GW-20	3/18/20	11:25	G Water		2	X	X	X	X
FD-2 (LP)	-	-	G Water		2	X	X	X	X
FB-2 (LP)	3/18/20	10:00	G Water		2	X	X	X	X
EB-2 (LP)	3/18/20	10:00	G Water		2	X	X	X	X



Preservation Used:  Ice,  HCl,  HNO<sub>3</sub>,  H<sub>2</sub>SO<sub>4</sub>,  H<sub>2</sub>O<sub>2</sub>,  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.

Comments Section if the lab is to dispose of the sample: \_\_\_\_\_

Special Instructions/Requirements & Comments: \_\_\_\_\_

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

Return to Client  Destroy in Lab  Archive for \_\_\_\_\_ Months

Received by: **Chris Tidwell** Date Time: **3/18/20 10:00**  
 Received by: **Veronica Borcia** Date Time: **3/18/20 10:00**  
 Received in Laboratory by: \_\_\_\_\_ Date Time: **3/18/20 9:00**



Environment In  
TestAmerica

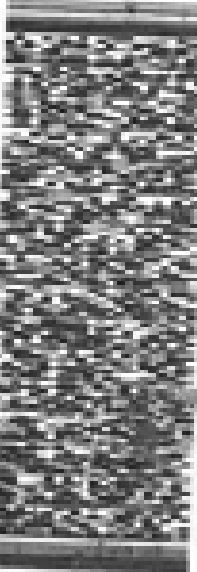
16

ORDER NUMBER: 15781 960-8993  
ORDER FOR: TESTAMERICA  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH, PA 15238  
PA, US

SAMPLE RECEIVING

EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

REF: GOLDBER - SCHERER



FRI - 20 MAR 3:00P  
STANDARD OVERNIGHT

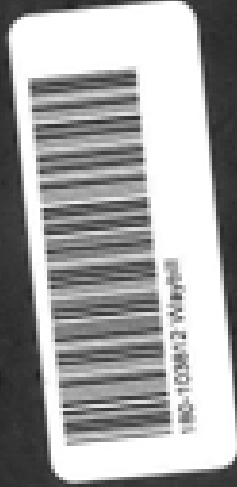
2 of 3  
1516 9323 2064  
1516 9323 2003

NA AGCA

15238  
PA-US  
PIT

Unconnected Temp  
Thermometer ID

CF    Initials



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13







**Eurofins TestAmerica Canton Sample Receipt Form/Narrative** Login # : \_\_\_\_\_

**Canton Facility**

Client ETA Pittsburgh Site Name \_\_\_\_\_ Cooler unpacked by: [Signature]

Cooler Received on 4-3-20 Opened on 4-3-20

FedEx: 1<sup>st</sup> Grd.  UPS FAS Clipper Client Drop Off TestAmerica Courier Other [Signature]

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:  Blue Ice  Dry Ice  Water  None

1. Cooler temperature upon receipt  See Multiple Cooler Form  
 IR GUN# IR-10 (CF +0.7°C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 3.5 °C  
 IR GUN #IR-11 (CF +0.9°C) Observed Cooler Temp. \_\_\_\_\_ °C Corrected Cooler Temp. \_\_\_\_\_ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity \_\_\_\_\_ Yes  No   
 -Were the seals on the outside of the cooler(s) signed & dated? Yes  No   
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/McHg)? Yes  No   
 -Were tamper/custody seals intact and uncompromised? Yes  No

3. Shippers' packing slip attached to the cooler(s)?  No

4. Did custody papers accompany the sample(s)?  No

5. Were the custody papers relinquished & signed in the appropriate place?  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)?  No

8. Could all bottle labels be reconciled with the COC?  No

9. Were correct bottle(s) used for the test(s) indicated?  No

10. Sufficient quantity received to perform indicated analyses?  No

11. Are these work share samples?  No   
 If yes, Questions 12-16 have been checked at the originating laboratory.

12. Were all preserved sample(s) at the correct pH upon receipt? Yes  No  NA  pH Strip Lot # HC982817

13. Were VOAs on the COC? Yes  No

14. Were air bubbles >6 mm in any VOA vials?  Larger than this. Yes  No  NA

15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # \_\_\_\_\_ Yes  No

16. 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

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** Samples processed by: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**18. 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)

**19. 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: \_\_\_\_\_

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103812-1

**Login Number: 103812**

**List Number: 1**

**Creator: Watson, Debbie**

**List Source: Eurofins TestAmerica, Pittsburgh**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103812-1

**Login Number: 103889**

**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: 180-103890-1  
Client Project/Site: Plant Scherer PAC Ash Cell  
Revision: 1

For:  
Southern Company  
PO BOX 2641 GSC8  
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty



Authorized for release by:  
4/23/2020 4:08:36 PM

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

### LINKS

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
Expert**

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

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

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

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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## Job ID: 180-103890-1

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Laboratory: Eurofins TestAmerica, Pittsburgh

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### Narrative

#### Job Narrative 180-103890-1

#### Comments

042320 Revised Report to correct IC dilution on sample EB-2(PA) (180-103893-16) from 2.5 to 1. (no dilution) This report replaces the report previously issued on

#### Receipt

The samples were received on 3/21/2020 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 1.0° C, 1.3° C, 1.3° C, 1.8° C, 1.8° C and 10.0° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

#### GC Semi VOA

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Fluoride for analytical batch 180-312254 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-53 (180-103893-11), FD-1(PA) (180-103893-12), FB-1(PA) (180-103893-13), FD-2(PA) (180-103893-14), EB-1(PA) (180-103893-15), EB-2(PA) (180-103893-16) and (CCV 180-312766/157).

Method 6020B: The continuing calibration blank (CCB) associated with batch 180-312912 recovered above the upper control limit for nickel. The samples associated with this CCB were 10X the RL for the affected analytes; therefore, the data have been reported.

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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: 180-103890-1

## 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
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	pH



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-103890-1	GWA-47	Water	03/20/20 10:44	03/21/20 09:00	
180-103890-2	FB-2(PA)	Water	03/20/20 09:45	03/21/20 09:00	
180-103893-1	GWA-21	Water	03/19/20 09:05	03/21/20 09:00	
180-103893-2	GWA-22	Water	03/19/20 10:10	03/21/20 09:00	
180-103893-3	GWC-29	Water	03/19/20 13:08	03/21/20 09:00	
180-103893-4	GWA-46	Water	03/19/20 17:07	03/21/20 09:00	
180-103893-5	GWA-45	Water	03/19/20 14:15	03/21/20 09:00	
180-103893-6	GWA-48	Water	03/19/20 14:11	03/21/20 09:00	
180-103893-7	GWA-49	Water	03/19/20 11:25	03/21/20 09:00	
180-103893-8	GWC-50	Water	03/19/20 13:05	03/21/20 09:00	
180-103893-9	GWC-51	Water	03/19/20 11:29	03/21/20 09:00	
180-103893-10	GWC-52	Water	03/19/20 13:00	03/21/20 09:00	
180-103893-11	GWC-53	Water	03/19/20 14:17	03/21/20 09:00	
180-103893-12	FD-1(PA)	Water	03/19/20 00:00	03/21/20 09:00	
180-103893-13	FB-1(PA)	Water	03/19/20 09:50	03/21/20 09:00	
180-103893-14	FD-2(PA)	Water	03/19/20 00:00	03/21/20 09:00	
180-103893-15	EB-1(PA)	Water	03/19/20 11:45	03/21/20 09:00	
180-103893-16	EB-2(PA)	Water	03/19/20 15:00	03/21/20 09:00	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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: 180-103890-1

**Client Sample ID: GWA-47**

**Date Collected: 03/20/20 10:44**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103890-1**

**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			312254	04/08/20 08:21	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:06	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:42	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311080	03/25/20 09:25	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/20/20 10:44	FDS	TAL PIT

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

**Date Collected: 03/20/20 09:45**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103890-2**

**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			312383	04/09/20 05:07	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:16	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:45	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311080	03/25/20 09:25	AVS	TAL PIT

**Client Sample ID: GWA-21**

**Date Collected: 03/19/20 09:05**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-1**

**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			312442	04/09/20 12:39	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:44	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:54	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-21**

**Date Collected: 03/19/20 09:05**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-1**

**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	Field Sampling		1			310781	03/19/20 09:05	FDS	TAL PIT

**Client Sample ID: GWA-22**

**Date Collected: 03/19/20 10:10**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-2**

**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			312442	04/09/20 12:55	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:55	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 10:10	FDS	TAL PIT

**Client Sample ID: GWC-29**

**Date Collected: 03/19/20 13:08**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-3**

**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			312442	04/09/20 13:11	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:58	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:56	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 13:08	FDS	TAL PIT

**Client Sample ID: GWA-46**

**Date Collected: 03/19/20 17:07**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			312442	04/09/20 13:27	SAC	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-103893-4**

**Date Collected: 03/19/20 17:07**

**Matrix: Water**

**Date Received: 03/21/20 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	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 17:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:57	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 17:07	FDS	TAL PIT
	Instrument ID: NOEQUIP									

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

**Date Collected: 03/19/20 14:15**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 13:42	SAC	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:58	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 14:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

**Date Collected: 03/19/20 14:11**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 13:58	SAC	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:20	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:01	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
	Instrument ID: NOEQUIP									

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: GWA-48

Date Collected: 03/19/20 14:11

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-6

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	Field Sampling		1			310781	03/19/20 14:11	FDS	TAL PIT

## Client Sample ID: GWA-49

Date Collected: 03/19/20 11:25

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-7

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			312442	04/09/20 14:14	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 17:02	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 11:25	FDS	TAL PIT

## Client Sample ID: GWC-50

Date Collected: 03/19/20 13:05

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-8

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			312442	04/09/20 14:30	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:27	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 13:05	FDS	TAL PIT

## Client Sample ID: GWC-51

Date Collected: 03/19/20 11:29

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-9

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			312442	04/09/20 15:17	SAC	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-103893-9**

**Date Collected: 03/19/20 11:29**

**Matrix: Water**

**Date Received: 03/21/20 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	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:30	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:04	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 11:29	FDS	TAL PIT
	Instrument ID: NOEQUIP									

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

**Date Collected: 03/19/20 13:00**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 15:33	SAC	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:34	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:05	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311085	03/25/20 10:01	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 13:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

**Date Collected: 03/19/20 14:17**

**Matrix: Water**

**Date Received: 03/21/20 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			312565	04/10/20 12:00	SAC	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:44	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:06	NAM	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

**Date Collected: 03/19/20 14:17**

**Matrix: Water**

**Date Received: 03/21/20 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	Field Sampling		1			310781	03/19/20 14:17	FDS	TAL PIT

**Client Sample ID: FD-1(PA)**

**Lab Sample ID: 180-103893-12**

**Date Collected: 03/19/20 00:00**

**Matrix: Water**

**Date Received: 03/21/20 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 Instrument ID: CHIC2100A		1			312565	04/10/20 12:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 18:21	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT

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

**Lab Sample ID: 180-103893-13**

**Date Collected: 03/19/20 09:50**

**Matrix: Water**

**Date Received: 03/21/20 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 Instrument ID: CHICS2100B		1			312386	04/09/20 03:44	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 18:22	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT

**Client Sample ID: FD-2(PA)**

**Lab Sample ID: 180-103893-14**

**Date Collected: 03/19/20 00:00**

**Matrix: Water**

**Date Received: 03/21/20 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 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	312386	04/09/20 04:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:55	RSK	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: FD-2(PA)

Date Collected: 03/19/20 00:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:23	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: EB-1(PA)

Date Collected: 03/19/20 11:45

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312386	04/09/20 04:00	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:58	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:24	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
		Instrument ID: NOEQUIP								

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

Date Collected: 03/19/20 15:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-16

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		1	1 mL	1.0 mL	312386	04/09/20 05:03	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 20:02	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:25	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	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 PAC Ash Cell

Job ID: 180-103890-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

NAM = Nicole Marfisi

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith

FDS = Sampler Field

NAM = Nicole Marfisi

RSK = Robert Kurtz

SAC = Shawn Clemente

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-103890-1**

Date Collected: 03/20/20 10:44

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7	F1	1.0	0.32	mg/L			04/08/20 08:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 08:21	1
Sulfate	0.58	J	1.0	0.38	mg/L			04/08/20 08:21	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		03/29/20 15:54	04/11/20 16:06	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:06	1
Barium	0.029		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:06	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:06	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:06	1
Calcium	12		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:06	1
Chromium	0.0085		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:06	1
Copper	0.0011	J	0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:06	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:06	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:06	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Vanadium	0.0086		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:06	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	99		10	10	mg/L			03/25/20 09:25	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.39				SU			03/20/20 10:44	1

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

**Lab Sample ID: 180-103890-2**

Date Collected: 03/20/20 09:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 05:07	1
Fluoride	0.048	J	0.10	0.026	mg/L			04/09/20 05:07	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 16:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:16	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:16	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103890-2**

Date Collected: 03/20/20 09:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:16	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:16	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:16	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:16	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:25	1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-103893-1**

Date Collected: 03/19/20 09:05

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		1.0	0.32	mg/L			04/09/20 12:39	1
Fluoride	0.059	J	0.10	0.026	mg/L			04/09/20 12:39	1
Sulfate	0.92	J	1.0	0.38	mg/L			04/09/20 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 16:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:44	1
Barium	0.027		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:44	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:44	1
Calcium	11		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:44	1
Chromium	0.0026		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:44	1
Nickel	0.00037	J	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Vanadium	0.0030		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:44	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-103893-1**

Date Collected: 03/19/20 09:05

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>100</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.81</b>				SU			03/19/20 09:05	1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-103893-2**

Date Collected: 03/19/20 10:10

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<b>2.2</b>		1.0	0.32	mg/L			04/09/20 12:55	1
Fluoride	<b>0.054</b>	J	0.10	0.026	mg/L			04/09/20 12:55	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:54	04/11/20 16:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:48	1
Barium	<b>0.024</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:48	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:48	1
Calcium	<b>9.7</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:48	1
Chromium	<b>0.011</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:48	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:48	1
Vanadium	<b>0.0052</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>65</b>		10	10	mg/L			03/24/20 12:12	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-22**

Date Collected: 03/19/20 10:10

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-2**

Matrix: Water

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			03/19/20 10:10	1

**Client Sample ID: GWC-29**

Date Collected: 03/19/20 13:08

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-3**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.4		1.0	0.32	mg/L			04/09/20 13:11	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/09/20 13:11	1
Sulfate	3.2		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:54	04/11/20 16:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:58	1
Barium	0.019		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:58	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:58	1
Calcium	16		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:58	1
Nickel	0.0039		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Vanadium	0.0044		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.97				SU			03/19/20 13:08	1

**Client Sample ID: GWA-46**

Date Collected: 03/19/20 17:07

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-4**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		1.0	0.32	mg/L			04/09/20 13:27	1

Eurofins TestAmerica, Pittsburgh



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-103893-4**

Date Collected: 03/19/20 17:07

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 13:27	1
Sulfate	0.39	J	1.0	0.38	mg/L			04/09/20 13:27	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		03/29/20 15:54	04/11/20 17:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 17:01	1
Barium	0.023		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 17:01	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 17:01	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 17:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 17:01	1
Calcium	6.7		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 17:01	1
Chromium	0.0043		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Cobalt	0.00025	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 17:01	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 17:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 17:01	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 17:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 17:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Vanadium	0.0033		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 17:01	1
Zinc	0.0035	J	0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	51		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.93				SU			03/19/20 17:07	1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

Date Collected: 03/19/20 14:15

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.9		1.0	0.32	mg/L			04/09/20 13:42	1
Fluoride	0.041	J	0.10	0.026	mg/L			04/09/20 13:42	1
Sulfate	150		1.0	0.38	mg/L			04/09/20 13:42	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		03/29/20 15:56	04/11/20 19:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:16	1
Barium	0.11		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:16	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:16	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

Date Collected: 03/19/20 14:15

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Boron</b>	<b>0.86</b>		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Calcium</b>	<b>45</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Cobalt</b>	<b>0.00050</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Copper</b>	<b>0.00072</b>	<b>J</b>	0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Lead</b>	<b>0.00019</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Nickel</b>	<b>0.00074</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Thallium</b>	<b>0.00036</b>	<b>J B</b>	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Vanadium</b>	<b>0.0031</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Zinc</b>	<b>0.0037</b>	<b>J</b>	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>310</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.46</b>				SU			03/19/20 14:15	1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

Date Collected: 03/19/20 14:11

Matrix: Water

Date Received: 03/21/20 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>1.9</b>		1.0	0.32	mg/L			04/09/20 13:58	1
<b>Fluoride</b>	<b>0.049</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 13:58	1
<b>Sulfate</b>	<b>1.5</b>		1.0	0.38	mg/L			04/09/20 13:58	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		03/29/20 15:56	04/11/20 19:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Barium</b>	<b>0.020</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:20	1
Beryllium	<0.00018	<sup>^</sup>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:20	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Chromium</b>	<b>0.0063</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Cobalt</b>	<b>0.00029</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Copper</b>	<b>0.0022</b>		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Lead</b>	<b>0.00020</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Nickel</b>	<b>0.00040</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:20	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

Date Collected: 03/19/20 14:11

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Thallium</b>	<b>0.00018</b>	<b>J B</b>	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Vanadium</b>	<b>0.019</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:20	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>97</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.73</b>				SU			03/19/20 14:11	1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-103893-7**

Date Collected: 03/19/20 11:25

Matrix: Water

Date Received: 03/21/20 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>2.2</b>		1.0	0.32	mg/L			04/09/20 14:14	1
<b>Fluoride</b>	<b>0.044</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 14:14	1
<b>Sulfate</b>	<b>0.56</b>	<b>J</b>	1.0	0.38	mg/L			04/09/20 14:14	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		03/29/20 15:56	04/11/20 19:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Barium</b>	<b>0.020</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:23	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:23	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Calcium</b>	<b>15</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Chromium</b>	<b>0.0055</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:23	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Vanadium</b>	<b>0.020</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: GWA-49

Date Collected: 03/19/20 11:25

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-7

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			03/24/20 12:12	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			03/19/20 11:25	1

## Client Sample ID: GWC-50

Date Collected: 03/19/20 13:05

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.32	mg/L			04/09/20 14:30	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/09/20 14:30	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 14:30	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		03/29/20 15:56	04/11/20 19:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:27	1
Barium	0.013		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:27	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:27	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:27	1
Calcium	7.9		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:27	1
Chromium	0.0047		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:27	1
Nickel	0.0015		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Vanadium	0.0027		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:27	1
Zinc	0.0037	J	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:03	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		10	10	mg/L			03/24/20 12:12	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.78				SU			03/19/20 13:05	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-103893-9**

Date Collected: 03/19/20 11:29

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.3		1.0	0.32	mg/L			04/09/20 15:17	1
Fluoride	0.037	J	0.10	0.026	mg/L			04/09/20 15:17	1
Sulfate	0.71	J	1.0	0.38	mg/L			04/09/20 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		03/29/20 15:56	04/11/20 19:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:30	1
Barium	0.011		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:30	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:30	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:30	1
Calcium	7.1		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:30	1
Chromium	0.0032		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:30	1
Nickel	0.0021		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Vanadium	0.0046		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	66		10	10	mg/L			03/25/20 09:16	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.90				SU			03/19/20 11:29	1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

Date Collected: 03/19/20 13:00

Matrix: Water

Date Received: 03/21/20 09:00

**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	0.32	mg/L			04/09/20 15:33	1
Fluoride	0.053	J	0.10	0.026	mg/L			04/09/20 15:33	1
Sulfate	40		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:56	04/11/20 19:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:34	1
Barium	0.018		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:34	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

Date Collected: 03/19/20 13:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:34	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Chromium</b>	<b>0.029</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:34	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Vanadium</b>	<b>0.010</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>160</b>		10	10	mg/L			03/25/20 10:01	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			03/19/20 13:00	1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

Date Collected: 03/19/20 14:17

Matrix: Water

Date Received: 03/21/20 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	0.32	mg/L			04/10/20 12:00	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 12:00	1
<b>Sulfate</b>	<b>170</b>		1.0	0.38	mg/L			04/10/20 12:00	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		03/29/20 15:56	04/11/20 19:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Barium</b>	<b>0.047</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:44	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Boron</b>	<b>1.0</b>		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Cobalt</b>	<b>0.0083</b>		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Nickel</b>	<b>0.0070</b>		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:44	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

Date Collected: 03/19/20 14:17

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:44	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Zinc</b>	<b>0.014</b>		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>270</b>		10	10	mg/L			03/25/20 09:16	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.65</b>				SU			03/19/20 14:17	1

**Client Sample ID: FD-1(PA)**

**Lab Sample ID: 180-103893-12**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 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>3.7</b>		1.0	0.32	mg/L			04/10/20 12:16	1
<b>Fluoride</b>	<b>0.052</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 12:16	1
<b>Sulfate</b>	<b>1.3</b>		1.0	0.38	mg/L			04/10/20 12:16	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		03/29/20 15:56	04/11/20 19:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Barium</b>	<b>0.025</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:48	1
Beryllium	<0.00018	<b>^</b>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:48	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Calcium</b>	<b>11</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Chromium</b>	<b>0.0024</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Cobalt</b>	<b>0.00020</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Lead</b>	<b>0.00019</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Nickel</b>	<b>0.00056</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Vanadium</b>	<b>0.0029</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:21	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: FD-1(PA)

Date Collected: 03/19/20 00:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-12

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			03/25/20 09:16	1

## Client Sample ID: FB-1(PA)

Date Collected: 03/19/20 09:50

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 03:44	1
Fluoride	0.036	J	0.10	0.026	mg/L			04/09/20 03:44	1
Sulfate	0.50	J	1.0	0.38	mg/L			04/09/20 03:44	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		03/29/20 15:56	04/11/20 19:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:51	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:51	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:51	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:51	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:51	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:22	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

## Client Sample ID: FD-2(PA)

Date Collected: 03/19/20 00:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-14

Matrix: Water

### 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	0.32	mg/L			04/09/20 04:16	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 04:16	1
Sulfate	0.77	J	1.0	0.38	mg/L			04/09/20 04:16	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: FD-2(PA)**

**Lab Sample ID: 180-103893-14**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

**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		03/29/20 15:56	04/11/20 19:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Barium</b>	<b>0.022</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:55	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:55	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Calcium</b>	<b>6.5</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Chromium</b>	<b>0.0041</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Cobalt</b>	<b>0.00025</b>	J	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:55	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Vanadium</b>	<b>0.0033</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Zinc</b>	<b>0.0044</b>	J	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>66</b>		10	10	mg/L			03/25/20 09:16	1

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

**Lab Sample ID: 180-103893-15**

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 04:00	1
<b>Fluoride</b>	<b>0.036</b>	J	0.10	0.026	mg/L			04/09/20 04:00	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 04:00	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		03/29/20 15:56	04/11/20 19:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:58	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:58	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:58	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:58	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:58	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:58	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: EB-1(PA)

Lab Sample ID: 180-103893-15

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:58	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:58	1
<b>Zinc</b>	<b>0.0035</b>	<b>J</b>	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:24	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

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

Lab Sample ID: 180-103893-16

Date Collected: 03/19/20 15:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 05:03	1
<b>Fluoride</b>	<b>0.067</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 05:03	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 05:03	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		03/29/20 15:56	04/11/20 20:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 20:02	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 20:02	1
Beryllium	<0.00018	<sup>^</sup>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 20:02	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 20:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 20:02	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 20:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 20:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 20:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 20:02	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 20:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 20:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 20:02	1
<b>Zinc</b>	<b>0.0082</b>		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:25	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: MB 180-312254/3**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/08/20 06:46	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 06:46	1
Sulfate	<0.38		1.0	0.38	mg/L			04/08/20 06:46	1

**Lab Sample ID: MB 180-312254/6**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/07/20 17:25	1
Fluoride	<0.026		0.10	0.026	mg/L			04/07/20 17:25	1
Sulfate	<0.38		1.0	0.38	mg/L			04/07/20 17:25	1

**Lab Sample ID: LCS 180-312254/42**  
**Matrix: Water**  
**Analysis Batch: 312254**

**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	48.4		mg/L		97	90 - 110
Fluoride	2.50	2.29		mg/L		91	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

**Lab Sample ID: 180-103890-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312254**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.7	F1	25.0	34.3	F1	mg/L		131	80 - 120
Fluoride	<0.026		1.25	1.24		mg/L		99	80 - 120
Sulfate	0.58	J	25.0	25.5		mg/L		100	80 - 120

**Lab Sample ID: 180-103890-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312254**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.7	F1	25.0	32.8	F1	mg/L		124	80 - 120	5	20
Fluoride	<0.026		1.25	1.22		mg/L		97	80 - 120	2	20
Sulfate	0.58	J	25.0	24.2		mg/L		95	80 - 120	5	20

**Lab Sample ID: MB 180-312383/20**  
**Matrix: Water**  
**Analysis Batch: 312383**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/08/20 21:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 21:17	1
Sulfate	<0.38		1.0	0.38	mg/L			04/08/20 21:17	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-312383/19**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	51.1		mg/L		102	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110

**Lab Sample ID: 180-103853-D-5 MS**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	2.8		25.0	27.6		mg/L		99	80 - 120
Fluoride	0.065	J	1.25	1.33		mg/L		101	80 - 120
Sulfate	15		25.0	38.8		mg/L		95	80 - 120

**Lab Sample ID: 180-103853-D-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	2.8		25.0	27.3		mg/L		98	80 - 120	1	20
Fluoride	0.065	J	1.25	1.31		mg/L		99	80 - 120	1	20
Sulfate	15		25.0	38.9		mg/L		96	80 - 120	0	20

**Lab Sample ID: MB 180-312386/39**  
**Matrix: Water**  
**Analysis Batch: 312386**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 02:57	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 02:57	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 02:57	1

**Lab Sample ID: LCS 180-312386/38**  
**Matrix: Water**  
**Analysis Batch: 312386**

**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	50.0		mg/L		100	90 - 110
Fluoride	2.50	2.39		mg/L		96	90 - 110
Sulfate	50.0	49.9		mg/L		100	90 - 110

**Lab Sample ID: 180-103893-14 MS**  
**Matrix: Water**  
**Analysis Batch: 312386**

**Client Sample ID: FD-2(PA)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.3		25.0	29.2		mg/L		100	80 - 120
Fluoride	<0.026		1.25	1.15		mg/L		92	80 - 120
Sulfate	0.77	J	25.0	24.8		mg/L		96	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103893-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 312386**

**Client Sample ID: FD-2(PA)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.3		25.0	29.0		mg/L		99	80 - 120	1	20
Fluoride	<0.026		1.25	1.16		mg/L		93	80 - 120	1	20
Sulfate	0.77	J	25.0	24.7		mg/L		96	80 - 120	0	20

**Lab Sample ID: MB 180-312442/6**  
**Matrix: Water**  
**Analysis Batch: 312442**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 08:58	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 08:58	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 08:58	1

**Lab Sample ID: LCS 180-312442/5**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	50.9		mg/L		102	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	50.3		mg/L		101	90 - 110

**Lab Sample ID: 180-104008-D-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	2.4		25.0	28.0		mg/L		102	80 - 120
Fluoride	0.063	J	1.25	1.36		mg/L		104	80 - 120
Sulfate	7.1		25.0	32.4		mg/L		101	80 - 120

**Lab Sample ID: 180-104008-D-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	2.4		25.0	27.1		mg/L		99	80 - 120	3	20
Fluoride	0.063	J	1.25	1.31		mg/L		100	80 - 120	4	20
Sulfate	7.1		25.0	31.4		mg/L		97	80 - 120	3	20

**Lab Sample ID: MB 180-312565/6**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 09:53	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 09:53	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 09:53	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-312565/5**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110

**Lab Sample ID: 180-104441-E-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	5.7		25.0	30.7		mg/L		100	80 - 120
Fluoride	0.15		1.25	1.41		mg/L		101	80 - 120
Sulfate	63		25.0	86.1		mg/L		94	80 - 120

**Lab Sample ID: 180-104441-E-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	5.7		25.0	30.1		mg/L		97	80 - 120	2	20
Fluoride	0.15		1.25	1.39		mg/L		99	80 - 120	1	20
Sulfate	63		25.0	85.1		mg/L		90	80 - 120	1	20

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

**Lab Sample ID: MB 180-311483/1-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 15:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:35	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:35	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:35	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.238		mg/L		95	80 - 120
Arsenic	1.00	0.941		mg/L		94	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.481		mg/L		96	80 - 120
Boron	1.25	1.29		mg/L		103	80 - 120
Cadmium	0.500	0.496		mg/L		99	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.460		mg/L		92	80 - 120
Copper	0.500	0.490		mg/L		98	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.452		mg/L		90	80 - 120
Selenium	1.00	0.984		mg/L		98	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.499		mg/L		100	80 - 120
Zinc	0.250	0.234		mg/L		94	80 - 120

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312912**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.250	0.265		mg/L		106	80 - 120

**Lab Sample ID: 180-103893-4 MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: GWA-46**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.258		mg/L		103	75 - 125
Arsenic	<0.00031		1.00	0.971		mg/L		97	75 - 125
Barium	0.023		1.00	1.11		mg/L		109	75 - 125
Beryllium	<0.00018		0.500	0.553		mg/L		111	75 - 125
Boron	<0.039		1.25	1.30		mg/L		104	75 - 125
Cadmium	<0.00022		0.500	0.533		mg/L		107	75 - 125
Calcium	6.7		25.0	36.7		mg/L		120	75 - 125
Chromium	0.0043		0.500	0.544		mg/L		108	75 - 125
Cobalt	0.00025	J	0.500	0.480		mg/L		96	75 - 125
Copper	<0.00063		0.500	0.551		mg/L		110	75 - 125
Lead	<0.00013		0.500	0.525		mg/L		105	75 - 125
Nickel	<0.00034		0.500	0.474		mg/L		95	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.272		mg/L		109	75 - 125
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125
Vanadium	0.0033		0.500	0.543		mg/L		108	75 - 125
Zinc	0.0035	J	0.250	0.248		mg/L		98	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103893-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: GWA-46**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.253		mg/L		101	75 - 125	2	20
Arsenic	<0.00031		1.00	0.933		mg/L		93	75 - 125	4	20
Barium	0.023		1.00	1.08		mg/L		106	75 - 125	3	20
Beryllium	<0.00018		0.500	0.533		mg/L		107	75 - 125	4	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	1	20
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125	3	20
Calcium	6.7		25.0	34.9		mg/L		113	75 - 125	5	20
Chromium	0.0043		0.500	0.532		mg/L		106	75 - 125	2	20
Cobalt	0.00025	J	0.500	0.469		mg/L		94	75 - 125	2	20
Copper	<0.00063		0.500	0.540		mg/L		108	75 - 125	2	20
Lead	<0.00013		0.500	0.513		mg/L		103	75 - 125	2	20
Nickel	<0.00034		0.500	0.462		mg/L		92	75 - 125	3	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	2	20
Silver	<0.00018		0.250	0.268		mg/L		107	75 - 125	1	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	3	20
Vanadium	0.0033		0.500	0.529		mg/L		105	75 - 125	3	20
Zinc	0.0035	J	0.250	0.241		mg/L		95	75 - 125	3	20

**Lab Sample ID: MB 180-311484/1-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:56	04/11/20 19:10	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:10	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:10	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:10	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:10	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:10	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:10	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:10	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:10	1
Thallium	0.000169	J	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:10	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:10	1

**Lab Sample ID: LCS 180-311484/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.253		mg/L		101	80 - 120
Arsenic	1.00	0.949		mg/L		95	80 - 120
Barium	1.00	1.07		mg/L		107	80 - 120

Eurofins TestAmerica, Pittsburgh



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311484/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.500	0.532	^	mg/L		106	80 - 120
Boron	1.25	1.30		mg/L		104	80 - 120
Cadmium	0.500	0.523		mg/L		105	80 - 120
Calcium	25.0	28.4		mg/L		114	80 - 120
Chromium	0.500	0.527		mg/L		105	80 - 120
Cobalt	0.500	0.472		mg/L		94	80 - 120
Copper	0.500	0.533		mg/L		107	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.467		mg/L		93	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.266		mg/L		106	80 - 120
Thallium	1.00	1.07		mg/L		107	80 - 120
Vanadium	0.500	0.524		mg/L		105	80 - 120
Zinc	0.250	0.241		mg/L		96	80 - 120

**Lab Sample ID: 180-103886-A-8-B MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0069		0.250	0.254		mg/L		99	75 - 125
Arsenic	0.16		1.00	1.14		mg/L		98	75 - 125
Barium	0.017	F1 F2	1.00	0.917		mg/L		90	75 - 125
Boron	0.097		1.25	1.31		mg/L		97	75 - 125
Cadmium	0.012		0.500	0.535		mg/L		105	75 - 125
Calcium	200		25.0	222	4	mg/L		89	75 - 125
Chromium	0.041		0.500	0.552		mg/L		102	75 - 125
Cobalt	0.75		0.500	1.21		mg/L		91	75 - 125
Copper	0.87		0.500	1.40		mg/L		106	75 - 125
Lead	0.014		0.500	0.512		mg/L		100	75 - 125
Selenium	0.11		1.00	1.09		mg/L		98	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	0.012	B	1.00	1.11		mg/L		110	75 - 125
Vanadium	0.052		0.500	0.571		mg/L		104	75 - 125
Zinc	1.4		0.250	1.62	4	mg/L		80	75 - 125

**Lab Sample ID: 180-103886-A-8-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	0.0069		0.250	0.263		mg/L		102	75 - 125	3	20
Arsenic	0.16		1.00	1.11		mg/L		95	75 - 125	2	20
Barium	0.017	F1 F2	1.00	0.719	F1 F2	mg/L		70	75 - 125	24	20
Boron	0.097		1.25	1.32		mg/L		98	75 - 125	1	20
Cadmium	0.012		0.500	0.528		mg/L		103	75 - 125	1	20
Calcium	200		25.0	224	4	mg/L		96	75 - 125	1	20
Chromium	0.041		0.500	0.550		mg/L		102	75 - 125	0	20
Cobalt	0.75		0.500	1.24		mg/L		96	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103886-A-8-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.87		0.500	1.43		mg/L		110	75 - 125	2	20
Lead	0.014		0.500	0.487		mg/L		95	75 - 125	5	20
Selenium	0.11		1.00	1.09		mg/L		98	75 - 125	0	20
Silver	<0.00018		0.250	0.259		mg/L		103	75 - 125	4	20
Thallium	0.012	B	1.00	1.13		mg/L		112	75 - 125	1	20
Vanadium	0.052		0.500	0.569		mg/L		103	75 - 125	0	20
Zinc	1.4		0.250	1.65	4	mg/L		94	75 - 125	2	20

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

**Lab Sample ID: MB 180-311685/1-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:40	1

**Lab Sample ID: LCS 180-311685/2-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00238		mg/L		95	80 - 120

**Lab Sample ID: 180-103890-1 MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00010		0.00100	0.00101		mg/L		101	75 - 125

**Lab Sample ID: 180-103890-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00010		0.00100	0.000994		mg/L		99	75 - 125	1	20

**Lab Sample ID: MB 180-311760/1-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:03	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311760/2-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00241		mg/L		96	80 - 120

**Lab Sample ID: 180-103853-E-18-E MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.00102		mg/L		102	75 - 125

**Lab Sample ID: 180-103853-E-18-F MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.000995		mg/L		100	75 - 125	3	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-310953/2**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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			03/24/20 12:12	1

**Lab Sample ID: LCS 180-310953/1**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	242	226		mg/L		93	80 - 120

**Lab Sample ID: 180-103889-A-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	130		127		mg/L		5	10

**Lab Sample ID: 180-103893-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**Client Sample ID: GWA-45**  
**Prep Type: Total/NA**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	310		309		mg/L		2	10

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LB 180-310706/1-A**  
**Matrix: Water**  
**Analysis Batch: 311077**

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

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

**Lab Sample ID: MB 180-311077/2**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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			03/25/20 09:16	1

**Lab Sample ID: LCS 180-311077/1**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	242	238		mg/L		98	80 - 120

**Lab Sample ID: 180-103893-11 DU**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	270		290		mg/L		6	10

**Lab Sample ID: 180-103941-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	360		363		mg/L		0	10

**Lab Sample ID: MB 180-311080/2**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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			03/25/20 09:25	1

**Lab Sample ID: LCS 180-311080/1**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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	242	250		mg/L		103	80 - 120

**Lab Sample ID: 180-103890-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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	99		93.0		mg/L		6	10

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: 180-103935-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311080**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	130		124		mg/L		0.8	10

**Lab Sample ID: MB 180-311085/2**  
**Matrix: Water**  
**Analysis Batch: 311085**

**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			03/25/20 10:01	1

**Lab Sample ID: LCS 180-311085/1**  
**Matrix: Water**  
**Analysis Batch: 311085**

**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	242	242		mg/L		100	80 - 120

**Lab Sample ID: 180-103893-10 DU**  
**Matrix: Water**  
**Analysis Batch: 311085**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	160		147		mg/L		6	10

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## HPLC/IC

### Analysis Batch: 312254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312254/43	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312254/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312254/42	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103890-1 MS	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-103890-1 MSD	GWA-47	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-2	FB-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312383/20	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312383/19	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103853-D-5 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-103853-D-5 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-13	FB-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-15	EB-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-16	EB-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312386/39	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312386/38	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14 MS	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14 MSD	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-103893-2	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-103893-3	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-103893-4	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-103893-5	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-103893-6	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-103893-7	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-103893-8	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-103893-9	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-103893-10	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312442/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312442/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104008-D-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104008-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-11	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-103893-12	FD-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312565/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312565/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104441-E-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104441-E-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 PAC Ash Cell

Job ID: 180-103890-1

## Metals

### Prep Batch: 311483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total Recoverable	Water	3005A	
180-103890-2	FB-2(PA)	Total Recoverable	Water	3005A	
180-103893-1	GWA-21	Total Recoverable	Water	3005A	
180-103893-2	GWA-22	Total Recoverable	Water	3005A	
180-103893-3	GWC-29	Total Recoverable	Water	3005A	
180-103893-4	GWA-46	Total Recoverable	Water	3005A	
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103893-4 MS	GWA-46	Total Recoverable	Water	3005A	
180-103893-4 MSD	GWA-46	Total Recoverable	Water	3005A	

### Prep Batch: 311484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-5	GWA-45	Total Recoverable	Water	3005A	
180-103893-6	GWA-48	Total Recoverable	Water	3005A	
180-103893-7	GWA-49	Total Recoverable	Water	3005A	
180-103893-8	GWC-50	Total Recoverable	Water	3005A	
180-103893-9	GWC-51	Total Recoverable	Water	3005A	
180-103893-10	GWC-52	Total Recoverable	Water	3005A	
180-103893-11	GWC-53	Total Recoverable	Water	3005A	
180-103893-12	FD-1(PA)	Total Recoverable	Water	3005A	
180-103893-13	FB-1(PA)	Total Recoverable	Water	3005A	
180-103893-14	FD-2(PA)	Total Recoverable	Water	3005A	
180-103893-15	EB-1(PA)	Total Recoverable	Water	3005A	
180-103893-16	EB-2(PA)	Total Recoverable	Water	3005A	
MB 180-311484/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311484/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103886-A-8-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-103886-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 311685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	7470A	
180-103890-2	FB-2(PA)	Total/NA	Water	7470A	
180-103893-1	GWA-21	Total/NA	Water	7470A	
180-103893-2	GWA-22	Total/NA	Water	7470A	
180-103893-3	GWC-29	Total/NA	Water	7470A	
180-103893-4	GWA-46	Total/NA	Water	7470A	
180-103893-5	GWA-45	Total/NA	Water	7470A	
180-103893-6	GWA-48	Total/NA	Water	7470A	
180-103893-7	GWA-49	Total/NA	Water	7470A	
180-103893-8	GWC-50	Total/NA	Water	7470A	
180-103893-9	GWC-51	Total/NA	Water	7470A	
180-103893-10	GWC-52	Total/NA	Water	7470A	
180-103893-11	GWC-53	Total/NA	Water	7470A	
MB 180-311685/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311685/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103890-1 MS	GWA-47	Total/NA	Water	7470A	
180-103890-1 MSD	GWA-47	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Metals

### Prep Batch: 311760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-12	FD-1(PA)	Total/NA	Water	7470A	
180-103893-13	FB-1(PA)	Total/NA	Water	7470A	
180-103893-14	FD-2(PA)	Total/NA	Water	7470A	
180-103893-15	EB-1(PA)	Total/NA	Water	7470A	
180-103893-16	EB-2(PA)	Total/NA	Water	7470A	
MB 180-311760/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311760/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103853-E-18-E MS	Matrix Spike	Total/NA	Water	7470A	
180-103853-E-18-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 311830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	EPA 7470A	311685
180-103890-2	FB-2(PA)	Total/NA	Water	EPA 7470A	311685
180-103893-1	GWA-21	Total/NA	Water	EPA 7470A	311685
180-103893-2	GWA-22	Total/NA	Water	EPA 7470A	311685
180-103893-3	GWC-29	Total/NA	Water	EPA 7470A	311685
180-103893-4	GWA-46	Total/NA	Water	EPA 7470A	311685
180-103893-5	GWA-45	Total/NA	Water	EPA 7470A	311685
180-103893-6	GWA-48	Total/NA	Water	EPA 7470A	311685
180-103893-7	GWA-49	Total/NA	Water	EPA 7470A	311685
180-103893-8	GWC-50	Total/NA	Water	EPA 7470A	311685
180-103893-9	GWC-51	Total/NA	Water	EPA 7470A	311685
180-103893-10	GWC-52	Total/NA	Water	EPA 7470A	311685
180-103893-11	GWC-53	Total/NA	Water	EPA 7470A	311685
180-103893-12	FD-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-13	FB-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-14	FD-2(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-15	EB-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-16	EB-2(PA)	Total/NA	Water	EPA 7470A	311760
MB 180-311685/1-A	Method Blank	Total/NA	Water	EPA 7470A	311685
MB 180-311760/1-A	Method Blank	Total/NA	Water	EPA 7470A	311760
LCS 180-311685/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311685
LCS 180-311760/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311760
180-103853-E-18-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	311760
180-103853-E-18-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311760
180-103890-1 MS	GWA-47	Total/NA	Water	EPA 7470A	311685
180-103890-1 MSD	GWA-47	Total/NA	Water	EPA 7470A	311685

### Analysis Batch: 312766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total Recoverable	Water	EPA 6020B	311483
180-103890-2	FB-2(PA)	Total Recoverable	Water	EPA 6020B	311483
180-103893-1	GWA-21	Total Recoverable	Water	EPA 6020B	311483
180-103893-2	GWA-22	Total Recoverable	Water	EPA 6020B	311483
180-103893-3	GWC-29	Total Recoverable	Water	EPA 6020B	311483
180-103893-4	GWA-46	Total Recoverable	Water	EPA 6020B	311483
180-103893-5	GWA-45	Total Recoverable	Water	EPA 6020B	311484
180-103893-6	GWA-48	Total Recoverable	Water	EPA 6020B	311484
180-103893-7	GWA-49	Total Recoverable	Water	EPA 6020B	311484
180-103893-8	GWC-50	Total Recoverable	Water	EPA 6020B	311484

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Metals (Continued)

### Analysis Batch: 312766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-9	GWC-51	Total Recoverable	Water	EPA 6020B	311484
180-103893-10	GWC-52	Total Recoverable	Water	EPA 6020B	311484
180-103893-11	GWC-53	Total Recoverable	Water	EPA 6020B	311484
180-103893-12	FD-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-13	FB-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-14	FD-2(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-15	EB-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-16	EB-2(PA)	Total Recoverable	Water	EPA 6020B	311484
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311483
MB 180-311484/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311484
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483
LCS 180-311484/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311484
180-103886-A-8-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	311484
180-103886-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	311484
180-103893-4 MS	GWA-46	Total Recoverable	Water	EPA 6020B	311483
180-103893-4 MSD	GWA-46	Total Recoverable	Water	EPA 6020B	311483

### Analysis Batch: 312912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483

## General Chemistry

### Leach Batch: 310706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-310706/1-A	Method Blank	Total/NA	Water	D3987-85	

### Analysis Batch: 310953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-1	GWA-21	Total/NA	Water	SM 2540C	
180-103893-2	GWA-22	Total/NA	Water	SM 2540C	
180-103893-3	GWC-29	Total/NA	Water	SM 2540C	
180-103893-4	GWA-46	Total/NA	Water	SM 2540C	
180-103893-5	GWA-45	Total/NA	Water	SM 2540C	
180-103893-6	GWA-48	Total/NA	Water	SM 2540C	
180-103893-7	GWA-49	Total/NA	Water	SM 2540C	
180-103893-8	GWC-50	Total/NA	Water	SM 2540C	
MB 180-310953/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-310953/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103889-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	
180-103893-5 DU	GWA-45	Total/NA	Water	SM 2540C	

### Analysis Batch: 311077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-9	GWC-51	Total/NA	Water	SM 2540C	
180-103893-11	GWC-53	Total/NA	Water	SM 2540C	
180-103893-12	FD-1(PA)	Total/NA	Water	SM 2540C	
180-103893-13	FB-1(PA)	Total/NA	Water	SM 2540C	
180-103893-14	FD-2(PA)	Total/NA	Water	SM 2540C	
180-103893-15	EB-1(PA)	Total/NA	Water	SM 2540C	
180-103893-16	EB-2(PA)	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## General Chemistry (Continued)

### Analysis Batch: 311077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-310706/1-A	Method Blank	Total/NA	Water	SM 2540C	310706
MB 180-311077/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311077/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103893-11 DU	GWC-53	Total/NA	Water	SM 2540C	
180-103941-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 311080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	SM 2540C	
180-103890-2	FB-2(PA)	Total/NA	Water	SM 2540C	
MB 180-311080/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311080/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103890-1 DU	GWA-47	Total/NA	Water	SM 2540C	
180-103935-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 311085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-10	GWC-52	Total/NA	Water	SM 2540C	
MB 180-311085/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311085/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103893-10 DU	GWC-52	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 310781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	Field Sampling	
180-103893-1	GWA-21	Total/NA	Water	Field Sampling	
180-103893-2	GWA-22	Total/NA	Water	Field Sampling	
180-103893-3	GWC-29	Total/NA	Water	Field Sampling	
180-103893-4	GWA-46	Total/NA	Water	Field Sampling	
180-103893-5	GWA-45	Total/NA	Water	Field Sampling	
180-103893-6	GWA-48	Total/NA	Water	Field Sampling	
180-103893-7	GWA-49	Total/NA	Water	Field Sampling	
180-103893-8	GWC-50	Total/NA	Water	Field Sampling	
180-103893-9	GWC-51	Total/NA	Water	Field Sampling	
180-103893-10	GWC-52	Total/NA	Water	Field Sampling	
180-103893-11	GWC-53	Total/NA	Water	Field Sampling	

301 Alpha Drive  
Pittsburgh, PA 15226-2907  
phone 412.963.7058 fax 412.963.3468

Client Contact  
Joju Abraham  
Southern Company  
241 North McCall Blvd SE, B10185  
Atlanta, GA 30308

Regulatory Programs:  air  water  soil  other

Project Manager: Dawn Proff  
Tel/Fax: 248-558-8448

Site Contact: Chris Tidwell  
Lab Contact: Vanessa Borstad

Date: 3/20/20

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

TestAmerica Laboratories, Inc.

Analysis Turnaround Time  
 1 business day  
 2 weeks  
 1 week  
 2 days  
 1 day

SAT returned from below \_\_\_\_\_ days

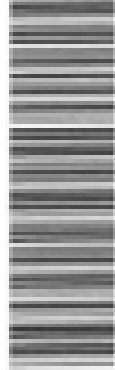
Sample Type:  Water  Soil  Other

Matrix:  Water  Soil  Other

# of Containers: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Containers	Sample Specifics Notes
CR14-47	3/20/2020	10:44	G	Water	3	4th 8.25
FB-207A	3/20/2020	08:45	G	Water	3	

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Containers	Sample Specifics Notes
4					1	



180-103690 Chain of Custody

Preservation Used:  Ice,  HCl,  H2SO4,  HNO3,  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.  
 None  Hazardous  Unknown

Special Instructions/OC Requirements & Comments:

Sample Disposed:  Yes  No

Returned to Client:  Yes  No

Disposed by Lab:  Yes  No

Results: \_\_\_\_\_

Received by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Chris Tidwell	3-20-20 11:10	3-20-20	Vanessa Borstad	3-20-20 9:00	3-20-20
Joju Abraham	3-20-20 11:10	3-20-20	Vanessa Borstad	3-20-20 9:00	3-20-20

Custody Seal Intact:  Yes  No

Custody Seal No.:

Cooler Temp. (°C) Obs'd: \_\_\_\_\_

Cooler Temp. (°C) Obs'd: \_\_\_\_\_





**Chain of Custody F**

601-Atlanta

**TestAmerica Pittsburgh**

301 Alpha Drive

ROCK PARK

Pittsburgh, PA 15206-2607

Phone 412.963.7058 Fax 412.963.3488

Regulatory Program:  Air  RCRA  Other

Site Contact:  CKS Fisher

TestAmerica Laboratories, Inc.



180-103893 Chain of Custody

**Client Contact**  
 John Abraham  
 Southern Company  
 241 Ralph McGill Blvd SE, B 10185  
 Atlanta, GA 30308

**Project Name:** ORR - Plant Scherer PAC Ann Cal  
**Site:** Georgia  
**F O B:** 1801884

**Site Contact:** CKS Fisher  
**Lab Contact:** Veronica Borstel

**Project Manager:** Dawn Post  
**Tel/Fax:** 349-836-8448

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., G, L)	Matrix	# of Matrix Cont.	Analyte Turnaround Time	
						<input type="checkbox"/> 2 weeks	<input type="checkbox"/> 3-4 days
						<input type="checkbox"/> 1 week	<input type="checkbox"/> 1 day
GMS-21	3/18/2020	8:08	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMS-22	3/18/2020	10:10	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMC-29	3/18/2020	13:06	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMS-46	3/18/2020	17:37	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMS-45	3/18/2020	14:15	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMS-48	3/18/2020	14:11	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMS-49	3/18/2020	11:26	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMC-50	3/18/2020	13:06	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMC-51	3/18/2020	11:29	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMC-52	3/18/2020	13:09	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GMC-53	3/18/2020	14:17	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FG-1 (PA)	-	-	G	Water	2	<input type="checkbox"/>	<input type="checkbox"/>

Preservation Used: 1: Ice, 2: HCl, 3: H2SO4, 4: HNO3, 5: HNO3/H2O2, 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.

See Label  Recalculate  See Label  Special Instructions/OC Requirements & Comments

Manual Check  Checked by Lab  Initials by \_\_\_\_\_

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

4	1							
---	---	--	--	--	--	--	--	--

Sample Specific Notes:  
 pH = 8.81  
 pH = 8.14  
 pH = 8.97  
 pH = 8.93  
 pH = 8.49  
 pH = 8.73  
 pH = 8.97  
 pH = 8.76  
 pH = 8.90  
 pH = 8.84  
 pH = 8.68

Custody Seal No.: \_\_\_\_\_  
 Acquired by: \_\_\_\_\_  
 Date/Time: 3-20-20 11:25

Company: Georgia Power  
 Received by: \_\_\_\_\_  
 Date/Time: 3-20-20 1-20

Company: \_\_\_\_\_  
 Received in Laboratory by: \_\_\_\_\_  
 Date/Time: 3/20/20 9:00



681-Atlanta

### TestAmerica Pittsburgh

501 Alpha Drive  
Pittsburgh, PA 15206-3607  
Phone: 412-863-7058 Fax: 412-863-2408

### Chain of Custody Record

**Client Contact**  
John Abraham  
Southern Company  
281 Bluff Mill Rd. SE, B-50185  
Atlanta, GA 30308

**Project Name:** OOR - Plant Scherer PAC Air Cell  
**Site:** Georgia  
**POB:** 10014984

**Regulatory Programs:**  OR  TSD  RCRA  CERCLA  
**Project Manager:** Dawn Prill  
**Tel/Fax:** 344-634-6444

**Analysis Turnaround Time**  
 Outlined (hrs)  Inclusive (hrs)  
Test if different from below \_\_\_\_ 3-4 days \_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Chris Tolwell  
**Lab Contact:** Veronica Borkat

**Date:** 3/19/20  
**QC No:** 3 of 3 COCs

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Matrix Cont.	Sample Specific Notes	
						Matrix	Notes
EB-1(PA)	3/19/2020	9:50	G	Water	2	X	SEE JOB # TO
EB-2(PA)	"	"	G	Water	2	X	
EB-3(PA)	3/19/2020	11:45	G	Water	2	X	
EB-3(PA)	3/19/2020	15:00	G	Water	2	X	

**Preservation Used:** 1= Ice, 2= HCl, 3= HNO<sub>3</sub>, 4= H<sub>2</sub>SO<sub>4</sub>, 5= H<sub>2</sub>O<sub>2</sub>, 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.**

No Hazard  Normal  Site Impact  
**Special Instructions/OC Requirements & Comments:** \_\_\_\_\_

**Custody Seal Intact:**  Yes  No  
**Company:** Southern Co.  
**Date/Time:** 3-20-20 14:12  
**Received by:** [Signature]  
**Date/Time:** 3-21-20 9:00  
**Received in Laboratory by:** [Signature]



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103890-1

**Login Number: 103890**

**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: 180-103890-1

**Login Number: 103893**

**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: 180-104070-1

Client Project/Site: Plant Scherer Cell 1 Effluent

**For:**

Southern Company  
PO BOX 2641 GSC8  
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty



*Authorized for release by:  
4/20/2020 4:34:34 PM*

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

### LINKS

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

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

PA Lab ID: 02-00416





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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

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**Job ID: 180-104070-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-104070-1**

## Comments

No additional comments.

## Receipt

The samples were received on 3/27/2020 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 3.1° C.

## Metals

Method 6020B: The following sample was diluted to bring the concentration of target analytes within the calibration range: Effluent (180-104070-1). Elevated reporting limits (RLs) are provided.

Method 7470A: The following sample was diluted to bring the concentration of mercury within the calibration range: Effluent (180-104070-1). Elevated reporting limits (RLs) are provided.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following sample: Effluent (180-104070-1). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample was prepared and analyzed at a 10x dilution, which maintained the purple color during digestion.

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 Effluent

Job ID: 180-104070-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-20

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# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-104070-1	Effluent	Water	03/25/20 13:35	03/27/20 09:00	

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# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

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 Cell 1 Effluent

Job ID: 180-104070-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-104070-1**

**Date Collected: 03/25/20 13:35**

**Matrix: Water**

**Date Received: 03/27/20 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			5 mL	50 mL	311518	03/30/20 00:45	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313035	04/15/20 15:41	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			5 mL	50 mL	311987	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		2			312179	04/06/20 16:46	NAM	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

RJR = Ron Rosenbaum

Batch Type: Analysis

NAM = Nicole Marfisi

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-104070-1**

Date Collected: 03/25/20 13:35

Matrix: Water

Date Received: 03/27/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.034		0.020	0.0038	mg/L		03/30/20 00:45	04/15/20 15:41	1
Arsenic	0.096		0.010	0.0031	mg/L		03/30/20 00:45	04/15/20 15:41	1
Barium	2.2		0.10	0.016	mg/L		03/30/20 00:45	04/15/20 15:41	1
Beryllium	<0.0018		0.025	0.0018	mg/L		03/30/20 00:45	04/15/20 15:41	1
Cadmium	0.0070	J	0.025	0.0022	mg/L		03/30/20 00:45	04/15/20 15:41	1
Chromium	0.43		0.020	0.015	mg/L		03/30/20 00:45	04/15/20 15:41	1
Cobalt	0.13		0.025	0.0013	mg/L		03/30/20 00:45	04/15/20 15:41	1
Copper	0.51		0.020	0.0063	mg/L		03/30/20 00:45	04/15/20 15:41	1
Lead	0.15		0.010	0.0013	mg/L		03/30/20 00:45	04/15/20 15:41	1
Nickel	0.47		0.010	0.0034	mg/L		03/30/20 00:45	04/15/20 15:41	1
Selenium	0.12		0.050	0.015	mg/L		03/30/20 00:45	04/15/20 15:41	1
Silver	<0.0018		0.010	0.0018	mg/L		03/30/20 00:45	04/15/20 15:41	1
Thallium	0.0016	J	0.010	0.0015	mg/L		03/30/20 00:45	04/15/20 15:41	1
Vanadium	0.23		0.010	0.0099	mg/L		03/30/20 00:45	04/15/20 15:41	1
Zinc	0.81		0.050	0.032	mg/L		03/30/20 00:45	04/15/20 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.0040	0.0020	mg/L		04/03/20 18:00	04/06/20 16:46	2



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

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

**Lab Sample ID: MB 180-311518/1-A**  
**Matrix: Water**  
**Analysis Batch: 313035**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311518**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/30/20 00:45	04/15/20 14:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 00:45	04/15/20 14:19	1
Barium	<0.0016		0.010	0.0016	mg/L		03/30/20 00:45	04/15/20 14:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 00:45	04/15/20 14:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 00:45	04/15/20 14:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/30/20 00:45	04/15/20 14:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/30/20 00:45	04/15/20 14:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 00:45	04/15/20 14:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 00:45	04/15/20 14:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/30/20 00:45	04/15/20 14:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 00:45	04/15/20 14:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 00:45	04/15/20 14:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 00:45	04/15/20 14:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/30/20 00:45	04/15/20 14:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/30/20 00:45	04/15/20 14:19	1

**Lab Sample ID: LCS 180-311518/2-A**  
**Matrix: Water**  
**Analysis Batch: 313035**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311518**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.239		mg/L		96	80 - 120
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.477		mg/L		95	80 - 120
Cadmium	0.500	0.503		mg/L		101	80 - 120
Chromium	0.500	0.527		mg/L		105	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Copper	0.500	0.495		mg/L		99	80 - 120
Lead	0.500	0.508		mg/L		102	80 - 120
Nickel	0.500	0.498		mg/L		100	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	0.250	0.246		mg/L		99	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.488		mg/L		98	80 - 120
Zinc	0.250	0.253		mg/L		101	80 - 120

**Lab Sample ID: 180-103953-E-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 313035**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311518**

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		99	75 - 125
Arsenic	0.00062	J	1.00	1.07		mg/L		107	75 - 125
Barium	0.033		1.00	1.08		mg/L		104	75 - 125
Beryllium	<0.00018		0.500	0.493		mg/L		99	75 - 125
Cadmium	<0.00022		0.500	0.521		mg/L		104	75 - 125
Chromium	<0.0015		0.500	0.529		mg/L		106	75 - 125
Cobalt	0.0039		0.500	0.513		mg/L		102	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

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

**Lab Sample ID: 180-103953-E-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 313035**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.00068	J	0.500	0.504		mg/L		101	75 - 125
Lead	0.00025	J	0.500	0.517		mg/L		103	75 - 125
Nickel	0.0032		0.500	0.505		mg/L		100	75 - 125
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125
Silver	<0.00018		0.250	0.253		mg/L		101	75 - 125
Thallium	0.00051	J	1.00	1.10		mg/L		110	75 - 125
Vanadium	0.0016		0.500	0.511		mg/L		102	75 - 125
Zinc	0.0039	J	0.250	0.267		mg/L		105	75 - 125

**Lab Sample ID: 180-103953-E-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 313035**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311518**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.257		mg/L		103	75 - 125	3	20
Arsenic	0.00062	J	1.00	1.10		mg/L		110	75 - 125	2	20
Barium	0.033		1.00	1.09		mg/L		106	75 - 125	1	20
Beryllium	<0.00018		0.500	0.501		mg/L		100	75 - 125	2	20
Cadmium	<0.00022		0.500	0.526		mg/L		105	75 - 125	1	20
Chromium	<0.0015		0.500	0.544		mg/L		109	75 - 125	3	20
Cobalt	0.0039		0.500	0.534		mg/L		106	75 - 125	4	20
Copper	0.00068	J	0.500	0.525		mg/L		105	75 - 125	4	20
Lead	0.00025	J	0.500	0.532		mg/L		106	75 - 125	3	20
Nickel	0.0032		0.500	0.523		mg/L		104	75 - 125	3	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	2	20
Silver	<0.00018		0.250	0.265		mg/L		106	75 - 125	4	20
Thallium	0.00051	J	1.00	1.13		mg/L		113	75 - 125	3	20
Vanadium	0.0016		0.500	0.520		mg/L		104	75 - 125	2	20
Zinc	0.0039	J	0.250	0.275		mg/L		108	75 - 125	3	20

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

**Lab Sample ID: MB 180-311987/1-A**  
**Matrix: Water**  
**Analysis Batch: 312179**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311987**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 18:00	04/06/20 16:16	1

**Lab Sample ID: LCS 180-311987/2-A**  
**Matrix: Water**  
**Analysis Batch: 312179**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311987**

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

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

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

**Lab Sample ID: 180-104108-C-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 312179**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311987**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.00100		mg/L		100	75 - 125

**Lab Sample ID: 180-104108-C-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 312179**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311987**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.00101		mg/L		101	75 - 125	1	20

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1 Effluent

Job ID: 180-104070-1

## Metals

### Prep Batch: 311518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104070-1	Effluent	Total Recoverable	Water	3005A	
MB 180-311518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103953-E-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-103953-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 311987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104070-1	Effluent	Total/NA	Water	7470A	
MB 180-311987/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311987/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-104108-C-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-104108-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 312179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104070-1	Effluent	Total/NA	Water	EPA 7470A	311987
MB 180-311987/1-A	Method Blank	Total/NA	Water	EPA 7470A	311987
LCS 180-311987/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311987
180-104108-C-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	311987
180-104108-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311987

### Analysis Batch: 313035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104070-1	Effluent	Total Recoverable	Water	EPA 6020B	311518
MB 180-311518/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311518
LCS 180-311518/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311518
180-103953-E-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	311518
180-103953-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	311518



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-104070-1

**Login Number: 104070**

**List Number: 1**

**Creator: Say, Thomas C**

**List Source: Eurofins TestAmerica, Pittsburgh**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (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: 180-104177-1

Client Project/Site: Plant Scherer Surface Water

**For:**

Southern Company  
PO BOX 2641 GSC8  
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty



*Authorized for release by:  
4/20/2020 3:31:52 PM*

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

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

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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**Job ID: 180-104177-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative  
180-104177-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 4/1/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

**GC Semi VOA**

Methods 300.0, 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Nitrite for analytical batch 180-312386 were outside control limits. Sample matrix interference is 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**

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 4500 CN C: The following samples were analyzed outside of holding time for cyanide: SWA-1 (180-104177-1) and SWA-2 (180-104177-2). Test was added after HT expired.

Method SM 5310C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 180-312029 and 180-312942. 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: 180-104177-1

## 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
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
H	Sample was prepped or analyzed beyond the specified holding time

## 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	pH



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-104177-1	SWA-1	Water	03/30/20 12:25	04/01/20 08:00	
180-104177-2	SWA-2	Water	03/30/20 14:30	04/01/20 08:00	
180-104177-3	SWA-3	Water	03/30/20 14:15	04/01/20 08:00	
180-104177-4	SWC-4	Water	03/30/20 13:05	04/01/20 08:00	
180-104177-5	SWC-5	Water	03/30/20 12:45	04/01/20 08:00	
180-104177-6	SWC-6	Water	03/30/20 13:35	04/01/20 08:00	
180-104177-7	SWC-7	Water	03/30/20 13:45	04/01/20 08:00	
180-104177-8	SWC-8	Water	03/30/20 14:45	04/01/20 08:00	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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: 180-104177-1

**Client Sample ID: SWA-1**

**Date Collected: 03/30/20 12:25**

**Date Received: 04/01/20 08:00**

**Lab Sample ID: 180-104177-1**

**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			312386	04/08/20 21:56	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:14	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:32	NAM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	312816	04/14/20 15:25	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	312861	04/14/20 18:30	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	312811	04/15/20 08:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			313009	04/15/20 13:17	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			312942	04/14/20 17:20	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 12:25	FDS	TAL PIT

**Client Sample ID: SWA-2**

**Date Collected: 03/30/20 14:30**

**Date Received: 04/01/20 08:00**

**Lab Sample ID: 180-104177-2**

**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			312386	04/08/20 22:44	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:16	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:33	NAM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	312816	04/14/20 15:25	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	312861	04/14/20 18:30	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	312811	04/15/20 08:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			313009	04/15/20 13:24	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			312942	04/14/20 17:35	TAM	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Client Sample ID: SWA-2

Date Collected: 03/30/20 14:30

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-2

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			312189	03/30/20 14:30	FDS	TAL PIT

## Client Sample ID: SWA-3

Date Collected: 03/30/20 14:15

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-3

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			312386	04/08/20 23:00	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:19	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:33	NAM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	311823	04/01/20 17:51	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	311825	04/01/20 20:33	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	312213	04/07/20 07:15	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL1		1			312248	04/07/20 10:58	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			312029	04/03/20 16:20	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 14:15	FDS	TAL PIT

## Client Sample ID: SWC-4

Date Collected: 03/30/20 13:05

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-4

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			312386	04/08/20 23:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:21	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:34	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 13:05	FDS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Client Sample ID: SWC-5

Date Collected: 03/30/20 12:45

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-5

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			312386	04/08/20 23:31	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:23	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:35	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 12:45	FDS	TAL PIT

## Client Sample ID: SWC-6

Date Collected: 03/30/20 13:35

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-6

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			312386	04/08/20 23:47	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:26	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:36	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 13:35	FDS	TAL PIT

## Client Sample ID: SWC-7

Date Collected: 03/30/20 13:45

Date Received: 04/01/20 08:00

## Lab Sample ID: 180-104177-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			312386	04/09/20 00:35	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:28	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:37	NAM	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-7**

**Date Collected: 03/30/20 13:45**

**Date Received: 04/01/20 08:00**

**Lab Sample ID: 180-104177-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	410.4			1 mL	1 mL	311823	04/01/20 17:51	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	311825	04/01/20 20:35	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	312213	04/07/20 07:15	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL1		1			312248	04/07/20 11:00	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			312029	04/03/20 16:36	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 13:45	FDS	TAL PIT

**Client Sample ID: SWC-8**

**Date Collected: 03/30/20 14:45**

**Date Received: 04/01/20 08:00**

**Lab Sample ID: 180-104177-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			312386	04/09/20 00:50	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311869	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1	1.0 mL	1.0 mL	312220	04/06/20 18:31	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311971	04/03/20 10:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312051	04/03/20 19:40	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			312189	03/30/20 14:45	FDS	TAL PIT

**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: 180-104177-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

CMR = Carl Reagle

ELS = Edwin Shireman

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith

CMR = Carl Reagle

ELS = Edwin Shireman

FDS = Sampler Field

NAM = Nicole Marfisi

RJR = Ron Rosenbaum

SAC = Shawn Clemente

TAM = Tessa Mastalski

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWA-1**

**Lab Sample ID: 180-104177-1**

Date Collected: 03/30/20 12:25

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.5		1.0	0.32	mg/L			04/08/20 21:56	1
Fluoride	0.048	J	0.10	0.026	mg/L			04/08/20 21:56	1
Sulfate	41		1.0	0.38	mg/L			04/08/20 21:56	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		04/02/20 10:00	04/06/20 18:14	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:14	1
Barium	0.036		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:14	1
Boron	0.30		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:14	1
Calcium	18		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:14	1
Cobalt	0.00014	J	0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:14	1
Copper	0.0028		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:14	1
Nickel	0.00065	J	0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:14	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:14	1
Vanadium	0.0029		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:14	1
Zinc	0.0032	J	0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:32	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/14/20 15:25	04/14/20 18:30	1
Total Dissolved Solids	120		10	10	mg/L			04/02/20 08:04	1
Cyanide, Total	<0.0044	H	0.010	0.0044	mg/L		04/15/20 08:00	04/15/20 13:17	1
Total Organic Carbon - Duplicates	3.4		1.0	0.51	mg/L			04/14/20 17:20	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.98				SU			03/30/20 12:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWA-2**

**Lab Sample ID: 180-104177-2**

Date Collected: 03/30/20 14:30

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>10</b>		1.0	0.32	mg/L			04/08/20 22:44	1
Fluoride	<0.0026		0.10	0.026	mg/L			04/08/20 22:44	1
<b>Sulfate</b>	<b>86</b>		1.0	0.38	mg/L			04/08/20 22:44	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		04/02/20 10:00	04/06/20 18:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Barium</b>	<b>0.041</b>		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Boron</b>	<b>0.57</b>		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Calcium</b>	<b>13</b>		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Cobalt</b>	<b>0.0031</b>		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Nickel</b>	<b>0.0014</b>		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Vanadium</b>	<b>0.0011</b>		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:16	1
<b>Zinc</b>	<b>0.0039 J</b>		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:33	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/14/20 15:25	04/14/20 18:30	1
<b>Total Dissolved Solids</b>	<b>200</b>		10	10	mg/L			04/02/20 08:04	1
Cyanide, Total	<0.0044	H	0.010	0.0044	mg/L		04/15/20 08:00	04/15/20 13:24	1
<b>Total Organic Carbon - Duplicates</b>	<b>1.0</b>		1.0	0.51	mg/L			04/14/20 17:35	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.80</b>				SU			03/30/20 14:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWA-3**

**Lab Sample ID: 180-104177-3**

Date Collected: 03/30/20 14:15

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>11</b>		1.0	0.32	mg/L			04/08/20 23:00	1
Fluoride	<0.0026		0.10	0.026	mg/L			04/08/20 23:00	1
<b>Sulfate</b>	<b>91</b>		1.0	0.38	mg/L			04/08/20 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		04/02/20 10:00	04/06/20 18:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Barium</b>	<b>0.042</b>		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Boron</b>	<b>0.58</b>		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Calcium</b>	<b>13</b>		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Cobalt</b>	<b>0.0038</b>		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Copper</b>	<b>0.0013</b>	J	0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Lead</b>	<b>0.00013</b>	J	0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Nickel</b>	<b>0.0018</b>		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Vanadium</b>	<b>0.0023</b>		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:19	1
<b>Zinc</b>	<b>0.0050</b>		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:33	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/01/20 17:51	04/01/20 20:33	1
<b>Total Dissolved Solids</b>	<b>200</b>		10	10	mg/L			04/02/20 08:04	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		04/07/20 07:15	04/07/20 10:58	1
<b>Total Organic Carbon - Duplicates</b>	<b>1.0</b>		1.0	0.51	mg/L			04/03/20 16:20	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.96</b>				SU			03/30/20 14:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-4**

**Lab Sample ID: 180-104177-4**

Date Collected: 03/30/20 13:05

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>7.6</b>		1.0	0.32	mg/L			04/08/20 23:16	1
Fluoride	<0.0026		0.10	0.026	mg/L			04/08/20 23:16	1
<b>Sulfate</b>	<b>89</b>		1.0	0.38	mg/L			04/08/20 23:16	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		04/02/20 10:00	04/06/20 18:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Barium</b>	<b>0.044</b>		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Boron</b>	<b>0.52</b>		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Calcium</b>	<b>20</b>		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Cobalt</b>	<b>0.0013</b>	<b>J</b>	0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Copper</b>	<b>0.0025</b>		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Lead</b>	<b>0.00029</b>	<b>J</b>	0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Nickel</b>	<b>0.00064</b>	<b>J</b>	0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:21	1
<b>Vanadium</b>	<b>0.0019</b>		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:34	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>220</b>		10	10	mg/L			04/02/20 08:04	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.24</b>				SU			03/30/20 13:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-5**

**Lab Sample ID: 180-104177-5**

Date Collected: 03/30/20 12:45

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22		1.0	0.32	mg/L			04/08/20 23:31	1
Fluoride	0.14		0.10	0.026	mg/L			04/08/20 23:31	1
Sulfate	86		1.0	0.38	mg/L			04/08/20 23:31	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		04/02/20 10:00	04/06/20 18:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:23	1
Barium	0.036		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:23	1
Boron	0.077	J	0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:23	1
Calcium	50		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:23	1
Chromium	0.0028		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:23	1
Cobalt	0.00045	J	0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:23	1
Nickel	0.00068	J	0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:23	1
Selenium	0.0056		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:23	1
Vanadium	0.0045		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:23	1
Zinc	0.0042	J	0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:35	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	300		10	10	mg/L			04/02/20 08:04	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.23				SU			03/30/20 12:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-6**

**Lab Sample ID: 180-104177-6**

Date Collected: 03/30/20 13:35

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.4</b>		1.0	0.32	mg/L			04/08/20 23:47	1
Fluoride	<0.0026		0.10	0.026	mg/L			04/08/20 23:47	1
<b>Sulfate</b>	<b>1.2</b>		1.0	0.38	mg/L			04/08/20 23:47	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		04/02/20 10:00	04/06/20 18:26	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:26	1
<b>Barium</b>	<b>0.032</b>		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:26	1
Boron	<0.039		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:26	1
<b>Calcium</b>	<b>11</b>		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:26	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:26	1
<b>Cobalt</b>	<b>0.0028</b>		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:26	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:26	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:26	1
<b>Nickel</b>	<b>0.00039 J</b>		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:26	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:26	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:26	1
<b>Vanadium</b>	<b>0.0024</b>		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:26	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>100</b>		10	10	mg/L			04/02/20 08:04	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.38</b>				SU			03/30/20 13:35	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-7**

**Lab Sample ID: 180-104177-7**

Date Collected: 03/30/20 13:45

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.4		1.0	0.32	mg/L			04/09/20 00:35	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/09/20 00:35	1
Sulfate	50		1.0	0.38	mg/L			04/09/20 00:35	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		04/02/20 10:00	04/06/20 18:28	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:28	1
Barium	0.045		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:28	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:28	1
Boron	0.29		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:28	1
Calcium	18		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:28	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:28	1
Cobalt	0.0013	J	0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:28	1
Copper	0.0014	J	0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:28	1
Lead	0.00025	J	0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:28	1
Nickel	0.00090	J	0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:28	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:28	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:28	1
Vanadium	0.0040		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:28	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:37	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	17		10	9.1	mg/L		04/01/20 17:51	04/01/20 20:35	1
Total Dissolved Solids	160		10	10	mg/L			04/02/20 08:04	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		04/07/20 07:15	04/07/20 11:00	1
Total Organic Carbon - Duplicates	1.8		1.0	0.51	mg/L			04/03/20 16:36	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.41				SU			03/30/20 13:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

**Client Sample ID: SWC-8**

**Lab Sample ID: 180-104177-8**

Date Collected: 03/30/20 14:45

Matrix: Water

Date Received: 04/01/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>9.5</b>		1.0	0.32	mg/L			04/09/20 00:50	1
Fluoride	<0.0026		0.10	0.026	mg/L			04/09/20 00:50	1
<b>Sulfate</b>	<b>120</b>		1.0	0.38	mg/L			04/09/20 00:50	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		04/02/20 10:00	04/06/20 18:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Barium</b>	<b>0.052</b>		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Boron</b>	<b>0.66</b>		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Calcium</b>	<b>23</b>		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Cobalt</b>	<b>0.0031</b>		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:31	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Nickel</b>	<b>0.00087 J</b>		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 18:31	1
<b>Vanadium</b>	<b>0.0013</b>		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>270</b>		10	10	mg/L			04/02/20 08:04	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.77</b>				SU			03/30/20 14:45	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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

**Lab Sample ID: MB 180-312386/6**  
**Matrix: Water**  
**Analysis Batch: 312386**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/08/20 17:51	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 17:51	1
Sulfate	<0.38		1.0	0.38	mg/L			04/08/20 17:51	1

**Lab Sample ID: LCS 180-312386/5**  
**Matrix: Water**  
**Analysis Batch: 312386**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.3		mg/L		99	90 - 110
Fluoride	2.50	2.35		mg/L		94	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

**Lab Sample ID: 180-104177-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312386**

**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	3.5		25.0	27.9		mg/L		98	80 - 120
Fluoride	0.048	J	1.25	1.28		mg/L		98	80 - 120
Sulfate	41		25.0	64.2		mg/L		93	80 - 120

**Lab Sample ID: 180-104177-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312386**

**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	3.5		25.0	27.5		mg/L		96	80 - 120	1	20
Fluoride	0.048	J	1.25	1.26		mg/L		97	80 - 120	1	20
Sulfate	41		25.0	63.4		mg/L		90	80 - 120	1	20

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

**Lab Sample ID: MB 180-311869/1-A**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/06/20 17:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 17:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 17:43	1
Boron	<0.039		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 17:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 17:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 17:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 17:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 17:43	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 17:43	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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

**Lab Sample ID: MB 180-311869/1-A**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 17:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 17:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/06/20 17:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 17:43	1

**Lab Sample ID: LCS 180-311869/2-A**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.215		mg/L		86	80 - 120
Arsenic	1.00	0.873		mg/L		87	80 - 120
Barium	1.00	0.899		mg/L		90	80 - 120
Beryllium	0.500	0.480		mg/L		96	80 - 120
Boron	1.25	1.11		mg/L		89	80 - 120
Cadmium	0.500	0.482		mg/L		96	80 - 120
Calcium	25.0	26.0		mg/L		104	80 - 120
Chromium	0.500	0.444		mg/L		89	80 - 120
Cobalt	0.500	0.448		mg/L		90	80 - 120
Copper	0.500	0.449		mg/L		90	80 - 120
Lead	0.500	0.494		mg/L		99	80 - 120
Nickel	0.500	0.443		mg/L		89	80 - 120
Selenium	1.00	0.936		mg/L		94	80 - 120
Silver	0.250	0.245		mg/L		98	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	0.500	0.444		mg/L		89	80 - 120
Zinc	0.250	0.225		mg/L		90	80 - 120

**Lab Sample ID: 180-104170-S-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.222		mg/L		89	75 - 125
Arsenic	<0.00031		1.00	0.901		mg/L		90	75 - 125
Barium	<0.0016		1.00	0.921		mg/L		92	75 - 125
Beryllium	0.00021	J	0.500	0.479		mg/L		96	75 - 125
Boron	<0.039		1.25	1.13		mg/L		90	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	<0.13		25.0	25.7		mg/L		103	75 - 125
Chromium	<0.0015		0.500	0.456		mg/L		91	75 - 125
Cobalt	<0.00013		0.500	0.468		mg/L		94	75 - 125
Copper	<0.00063		0.500	0.463		mg/L		93	75 - 125
Lead	<0.00013		0.500	0.511		mg/L		102	75 - 125
Nickel	<0.00034		0.500	0.458		mg/L		92	75 - 125
Selenium	<0.0015		1.00	0.953		mg/L		95	75 - 125
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125
Thallium	<0.00015		1.00	1.05		mg/L		105	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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

**Lab Sample ID: 180-104170-S-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	<0.00099		0.500	0.456		mg/L		91	75 - 125
Zinc	<0.0032		0.250	0.238		mg/L		95	75 - 125

**Lab Sample ID: 180-104170-S-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312220**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.216		mg/L		86	75 - 125	3	20
Arsenic	<0.00031		1.00	0.879		mg/L		88	75 - 125	2	20
Barium	<0.0016		1.00	0.906		mg/L		91	75 - 125	2	20
Beryllium	0.00021	J	0.500	0.480		mg/L		96	75 - 125	0	20
Boron	<0.039		1.25	1.14		mg/L		91	75 - 125	1	20
Cadmium	<0.00022		0.500	0.490		mg/L		98	75 - 125	3	20
Calcium	<0.13		25.0	25.5		mg/L		102	75 - 125	1	20
Chromium	<0.0015		0.500	0.451		mg/L		90	75 - 125	1	20
Cobalt	<0.00013		0.500	0.454		mg/L		91	75 - 125	3	20
Copper	<0.00063		0.500	0.452		mg/L		90	75 - 125	2	20
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125	3	20
Nickel	<0.00034		0.500	0.448		mg/L		90	75 - 125	2	20
Selenium	<0.0015		1.00	0.938		mg/L		94	75 - 125	2	20
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125	3	20
Thallium	<0.00015		1.00	1.01		mg/L		101	75 - 125	4	20
Vanadium	<0.00099		0.500	0.441		mg/L		88	75 - 125	3	20
Zinc	<0.0032		0.250	0.225		mg/L		90	75 - 125	6	20

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

**Lab Sample ID: MB 180-311971/1-A**  
**Matrix: Water**  
**Analysis Batch: 312051**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311971**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/03/20 10:00	04/03/20 19:12	1

**Lab Sample ID: LCS 180-311971/2-A**  
**Matrix: Water**  
**Analysis Batch: 312051**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311971**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00224		mg/L		89	80 - 120

**Lab Sample ID: 180-104016-C-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 312051**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311971**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00010		0.00100	0.000837		mg/L		84	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

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

**Lab Sample ID: 180-104016-C-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 312051**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311971**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00010		0.00100	0.000879		mg/L		88	75 - 125	5	20

## Method: EPA 410.4 - COD

**Lab Sample ID: MB 180-311823/12-A**  
**Matrix: Water**  
**Analysis Batch: 311825**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311823**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/01/20 17:51	04/01/20 20:23	1

**Lab Sample ID: LCS 180-311823/11-A**  
**Matrix: Water**  
**Analysis Batch: 311825**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311823**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	46.7		mg/L		93	90 - 110

**Lab Sample ID: 180-104177-3 MS**  
**Matrix: Water**  
**Analysis Batch: 311825**

**Client Sample ID: SWA-3**  
**Prep Type: Total/NA**  
**Prep Batch: 311823**

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: 180-104177-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 311825**

**Client Sample ID: SWA-3**  
**Prep Type: Total/NA**  
**Prep Batch: 311823**

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	22.9		mg/L		92	90 - 110	6	20

**Lab Sample ID: MB 180-312816/12-A**  
**Matrix: Water**  
**Analysis Batch: 312861**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 312816**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/14/20 15:25	04/14/20 18:30	1

**Lab Sample ID: LCS 180-312816/11-A**  
**Matrix: Water**  
**Analysis Batch: 312861**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312816**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	47.9		mg/L		96	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Method: EPA 410.4 - COD (Continued)

**Lab Sample ID: 180-104477-G-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 312861**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 312816**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chemical Oxygen Demand	50		25.0	75.4		mg/L		101	90 - 110

**Lab Sample ID: 180-104477-G-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312861**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 312816**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chemical Oxygen Demand	50		25.0	76.9		mg/L		107	90 - 110	2	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-311873/2**  
**Matrix: Water**  
**Analysis Batch: 311873**

**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			04/02/20 08:04	1

**Lab Sample ID: LCS 180-311873/1**  
**Matrix: Water**  
**Analysis Batch: 311873**

**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	242	250		mg/L		103	80 - 120

**Lab Sample ID: 180-104177-5 DU**  
**Matrix: Water**  
**Analysis Batch: 311873**

**Client Sample ID: SWC-5**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	300		297		mg/L		0.3	10

**Lab Sample ID: 180-104177-8 DU**  
**Matrix: Water**  
**Analysis Batch: 311873**

**Client Sample ID: SWC-8**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	270		261		mg/L		5	10

## Method: SM 4500CN E - Total Cyanide

**Lab Sample ID: MB 180-312213/4-A**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		04/07/20 07:15	04/07/20 10:55	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Method: SM 4500CN E - Total Cyanide (Continued)

**Lab Sample ID: HLCS 180-312213/2-A**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.250	0.242		mg/L		97	90 - 110

**Lab Sample ID: LCS 180-312213/3-A**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.200	0.193		mg/L		96	90 - 110

**Lab Sample ID: LLCS 180-312213/1-A**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.0500	0.0519		mg/L		104	90 - 110

**Lab Sample ID: 180-104210-A-3-A MS**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.0044		0.200	0.207		mg/L		104	90 - 110

**Lab Sample ID: 180-104210-A-3-B MSD**  
**Matrix: Water**  
**Analysis Batch: 312248**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 312213**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Cyanide, Total	<0.0044		0.200	0.212		mg/L		106	90 - 110	2	20

**Lab Sample ID: MB 180-312811/4-A**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		04/15/20 08:00	04/15/20 13:15	1

**Lab Sample ID: HLCS 180-312811/2-A**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.250	0.257		mg/L		103	90 - 110

**Lab Sample ID: LCS 180-312811/3-A**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.200	0.212		mg/L		106	90 - 110

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Method: SM 4500CN E - Total Cyanide

**Lab Sample ID: LLCS 180-312811/1-A**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**  
**%Rec.**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.0500	0.0513		mg/L		103	90 - 110

**Lab Sample ID: 180-104177-1 MS**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: SWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.0044	H	0.200	0.212		mg/L		106	90 - 110

**Lab Sample ID: 180-104177-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: SWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.0044	H	0.200	0.205		mg/L		103	90 - 110	3	20

**Lab Sample ID: 180-104177-1 DU**  
**Matrix: Water**  
**Analysis Batch: 313009**

**Client Sample ID: SWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 312811**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.0044	H	0.200	<0.0044		mg/L		103	90 - 110	NC	20

## Method: SM 5310C - Total Organic Carbon

**Lab Sample ID: MB 180-312029/6**  
**Matrix: Water**  
**Analysis Batch: 312029**

**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			04/03/20 16:05	1

**Lab Sample ID: LCS 180-312029/4**  
**Matrix: Water**  
**Analysis Batch: 312029**

**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	19.9		mg/L		100	85 - 115

**Lab Sample ID: LCSD 180-312029/5**  
**Matrix: Water**  
**Analysis Batch: 312029**

**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	20.1		mg/L		101	85 - 115	1	20

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Method: SM 5310C - Total Organic Carbon (Continued)

**Lab Sample ID: MB 180-312942/6**  
**Matrix: Water**  
**Analysis Batch: 312942**

**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			04/14/20 16:49	1

**Lab Sample ID: LCS 180-312942/4**  
**Matrix: Water**  
**Analysis Batch: 312942**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon - Duplicates	20.0	21.7		mg/L		108	85 - 115

**Lab Sample ID: LCSD 180-312942/5**  
**Matrix: Water**  
**Analysis Batch: 312942**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon - Duplicates	20.0	21.7		mg/L		108	85 - 115	0	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## HPLC/IC

### Analysis Batch: 312386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-104177-2	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-104177-3	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-104177-4	SWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-104177-5	SWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-104177-6	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-104177-7	SWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-104177-8	SWC-8	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312386/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312386/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104177-1 MS	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-104177-1 MSD	SWA-1	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 311869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total Recoverable	Water	3005A	
180-104177-2	SWA-2	Total Recoverable	Water	3005A	
180-104177-3	SWA-3	Total Recoverable	Water	3005A	
180-104177-4	SWC-4	Total Recoverable	Water	3005A	
180-104177-5	SWC-5	Total Recoverable	Water	3005A	
180-104177-6	SWC-6	Total Recoverable	Water	3005A	
180-104177-7	SWC-7	Total Recoverable	Water	3005A	
180-104177-8	SWC-8	Total Recoverable	Water	3005A	
MB 180-311869/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311869/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-104170-S-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-104170-S-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 311971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	7470A	
180-104177-2	SWA-2	Total/NA	Water	7470A	
180-104177-3	SWA-3	Total/NA	Water	7470A	
180-104177-4	SWC-4	Total/NA	Water	7470A	
180-104177-5	SWC-5	Total/NA	Water	7470A	
180-104177-6	SWC-6	Total/NA	Water	7470A	
180-104177-7	SWC-7	Total/NA	Water	7470A	
180-104177-8	SWC-8	Total/NA	Water	7470A	
MB 180-311971/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311971/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-104016-C-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-104016-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 312051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	EPA 7470A	311971
180-104177-2	SWA-2	Total/NA	Water	EPA 7470A	311971
180-104177-3	SWA-3	Total/NA	Water	EPA 7470A	311971
180-104177-4	SWC-4	Total/NA	Water	EPA 7470A	311971

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## Metals (Continued)

### Analysis Batch: 312051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-5	SWC-5	Total/NA	Water	EPA 7470A	311971
180-104177-6	SWC-6	Total/NA	Water	EPA 7470A	311971
180-104177-7	SWC-7	Total/NA	Water	EPA 7470A	311971
180-104177-8	SWC-8	Total/NA	Water	EPA 7470A	311971
MB 180-311971/1-A	Method Blank	Total/NA	Water	EPA 7470A	311971
LCS 180-311971/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311971
180-104016-C-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	311971
180-104016-C-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311971

### Analysis Batch: 312220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total Recoverable	Water	EPA 6020B	311869
180-104177-2	SWA-2	Total Recoverable	Water	EPA 6020B	311869
180-104177-3	SWA-3	Total Recoverable	Water	EPA 6020B	311869
180-104177-4	SWC-4	Total Recoverable	Water	EPA 6020B	311869
180-104177-5	SWC-5	Total Recoverable	Water	EPA 6020B	311869
180-104177-6	SWC-6	Total Recoverable	Water	EPA 6020B	311869
180-104177-7	SWC-7	Total Recoverable	Water	EPA 6020B	311869
180-104177-8	SWC-8	Total Recoverable	Water	EPA 6020B	311869
MB 180-311869/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311869
LCS 180-311869/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311869
180-104170-S-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	311869
180-104170-S-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	311869

## General Chemistry

### Prep Batch: 311823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-3	SWA-3	Total/NA	Water	410.4	
180-104177-7	SWC-7	Total/NA	Water	410.4	
MB 180-311823/12-A	Method Blank	Total/NA	Water	410.4	
LCS 180-311823/11-A	Lab Control Sample	Total/NA	Water	410.4	
180-104177-3 MS	SWA-3	Total/NA	Water	410.4	
180-104177-3 MSD	SWA-3	Total/NA	Water	410.4	

### Analysis Batch: 311825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-3	SWA-3	Total/NA	Water	EPA 410.4	311823
180-104177-7	SWC-7	Total/NA	Water	EPA 410.4	311823
MB 180-311823/12-A	Method Blank	Total/NA	Water	EPA 410.4	311823
LCS 180-311823/11-A	Lab Control Sample	Total/NA	Water	EPA 410.4	311823
180-104177-3 MS	SWA-3	Total/NA	Water	EPA 410.4	311823
180-104177-3 MSD	SWA-3	Total/NA	Water	EPA 410.4	311823

### Analysis Batch: 311873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	SM 2540C	
180-104177-2	SWA-2	Total/NA	Water	SM 2540C	
180-104177-3	SWA-3	Total/NA	Water	SM 2540C	
180-104177-4	SWC-4	Total/NA	Water	SM 2540C	
180-104177-5	SWC-5	Total/NA	Water	SM 2540C	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## General Chemistry (Continued)

### Analysis Batch: 311873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-6	SWC-6	Total/NA	Water	SM 2540C	
180-104177-7	SWC-7	Total/NA	Water	SM 2540C	
180-104177-8	SWC-8	Total/NA	Water	SM 2540C	
MB 180-311873/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311873/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-104177-5 DU	SWC-5	Total/NA	Water	SM 2540C	
180-104177-8 DU	SWC-8	Total/NA	Water	SM 2540C	

### Analysis Batch: 312029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-3	SWA-3	Total/NA	Water	SM 5310C	
180-104177-7	SWC-7	Total/NA	Water	SM 5310C	
MB 180-312029/6	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-312029/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-312029/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

### Prep Batch: 312213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-3	SWA-3	Total/NA	Water	SM 4500 CN C	
180-104177-7	SWC-7	Total/NA	Water	SM 4500 CN C	
MB 180-312213/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-312213/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-312213/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-312213/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
180-104210-A-3-A MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
180-104210-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	

### Analysis Batch: 312248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-3	SWA-3	Total/NA	Water	SM 4500CN E	312213
180-104177-7	SWC-7	Total/NA	Water	SM 4500CN E	312213
MB 180-312213/4-A	Method Blank	Total/NA	Water	SM 4500CN E	312213
HLCS 180-312213/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312213
LCS 180-312213/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312213
LLCS 180-312213/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312213
180-104210-A-3-A MS	Matrix Spike	Total/NA	Water	SM 4500CN E	312213
180-104210-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500CN E	312213

### Prep Batch: 312811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	SM 4500 CN C	
180-104177-2	SWA-2	Total/NA	Water	SM 4500 CN C	
MB 180-312811/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-312811/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-312811/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-312811/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
180-104177-1 MS	SWA-1	Total/NA	Water	SM 4500 CN C	
180-104177-1 MSD	SWA-1	Total/NA	Water	SM 4500 CN C	
180-104177-1 DU	SWA-1	Total/NA	Water	SM 4500 CN C	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-104177-1

## General Chemistry

### Prep Batch: 312816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	410.4	
180-104177-2	SWA-2	Total/NA	Water	410.4	
MB 180-312816/12-A	Method Blank	Total/NA	Water	410.4	
LCS 180-312816/11-A	Lab Control Sample	Total/NA	Water	410.4	
180-104477-G-1-B MS	Matrix Spike	Total/NA	Water	410.4	
180-104477-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	410.4	

### Analysis Batch: 312861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	EPA 410.4	312816
180-104177-2	SWA-2	Total/NA	Water	EPA 410.4	312816
MB 180-312816/12-A	Method Blank	Total/NA	Water	EPA 410.4	312816
LCS 180-312816/11-A	Lab Control Sample	Total/NA	Water	EPA 410.4	312816
180-104477-G-1-B MS	Matrix Spike	Total/NA	Water	EPA 410.4	312816
180-104477-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 410.4	312816

### Analysis Batch: 312942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	SM 5310C	
180-104177-2	SWA-2	Total/NA	Water	SM 5310C	
MB 180-312942/6	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-312942/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-312942/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

### Analysis Batch: 313009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	SM 4500CN E	312811
180-104177-2	SWA-2	Total/NA	Water	SM 4500CN E	312811
MB 180-312811/4-A	Method Blank	Total/NA	Water	SM 4500CN E	312811
HLCS 180-312811/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312811
LCS 180-312811/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312811
LLCS 180-312811/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	312811
180-104177-1 MS	SWA-1	Total/NA	Water	SM 4500CN E	312811
180-104177-1 MSD	SWA-1	Total/NA	Water	SM 4500CN E	312811
180-104177-1 DU	SWA-1	Total/NA	Water	SM 4500CN E	312811

## Field Service / Mobile Lab

### Analysis Batch: 312189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104177-1	SWA-1	Total/NA	Water	Field Sampling	
180-104177-2	SWA-2	Total/NA	Water	Field Sampling	
180-104177-3	SWA-3	Total/NA	Water	Field Sampling	
180-104177-4	SWC-4	Total/NA	Water	Field Sampling	
180-104177-5	SWC-5	Total/NA	Water	Field Sampling	
180-104177-6	SWC-6	Total/NA	Water	Field Sampling	
180-104177-7	SWC-7	Total/NA	Water	Field Sampling	
180-104177-8	SWC-8	Total/NA	Water	Field Sampling	

# Chain of Custody Record

<b>Information</b> Job: Abonham Company: Southern Company Address: 241 Ralph McGill Blvd SE #1018B City: Atlanta State: GA Zip: GA, 30308 Email: <a href="mailto:abonham@southern.com">abonham@southern.com</a> Project #: COC - Plant Scheme Job: Surface Water		Lab: TX Location: Bostol, Vermont Job: 400-88969-27803.1 Page: 1 of 1 Job #
Analysis Requested Due Date Requested: 3 - 8 days (RT Requested (days))	Analysis Requested (RT Requested (days))	
Sample Identification Sample ID: S18S-1 S18S-2 S18S-3 S18C-4 S18C-5 S18C-6 S18C-7 S18C-8	Sample Type (C=Chemical, B=Biological, G=Geographic, W=Water) S18S-1: G S18S-2: G S18S-3: G S18C-4: G S18C-5: G S18C-6: G S18C-7: G S18C-8: G	Sample Time S18S-1: 12:25 S18S-2: 14:30 S18S-3: 14:15 S18C-4: 13:05 S18C-5: 12:45 S18C-6: 13:35 S18C-7: 13:45 S18C-8: 14:45
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poisonous <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverables Requested: 1, 6, 8, 10, Other (Specify)	Sample Disposal (A Fee may be assessed if an): <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab Special Instructions/OC Requirements:	
Empty Kit Requisitioned By:	Date:	Received At:
Chris Towell M. BAH G.I.O. 3/31/20 10:37 3/31/20 10:06	Date: 3-31-20 Time: 10:37 10:06	Received At: 3-31-20 Time: 7:06 10:37 10:06
Chain of Custody Seal No.: 3/31/20	Signature: M. BAH G.I.O.	Signature: M. BAH G.I.O.
Special Instructions/OC Requirements:	Special Instructions/OC Requirements:	
Barcode: 180-104177 Chain of Custody		



Environment Testing  
TestAmerica

ORIGIN: DULY (478) 968-0001  
EUROFINS TESTAMERICA  
3500 FORDHAM DRIVE  
SUITE C-10  
ROCKFORD, IL 60089  
UNITED STATES US

SHIP DATE: 3/29/20  
ACTUAL: 30.40 LB  
CAC: 80816-CAF0302

BILL RECEIPT

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

REF: SOLDER - PLT SCHERE



WED - 01 APR 3:00P  
STANDARD OVERNIGHT

TRACKING: 1516 9323 2627

NA AGCA

15238  
PA-US PIT

Uncorrected temp 3.2 °C  
Thermometer ID 17  
CF 0 Initials JL

PT-100-0A-001 effective 1/18/18

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-104177-1

**Login Number: 104177**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Say, Thomas C**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



**APPENDIX A**

**ANALYTICAL RESULTS  
SEPTEMBER 2020**

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-110809-1  
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:  
10/15/2020 8:21:24 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



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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**Job ID: 180-110809-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative  
180-110809-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 9/11/2020 9:40 AM and 9/12/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.1° C, 2.3° C and 3.9° 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**

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.



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## 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
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: 180-110809-1

## 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	10-12-20
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	10-12-20
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	10-12-20
Kansas	NELAP	E-10350	10-12-20
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	10-12-20
Louisiana	NELAP	04041	10-12-20
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	10-12-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	10-12-20
New Jersey	NELAP	PA005	10-12-20
New York	NELAP	11182	10-12-20
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	10-12-20
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	10-12-20
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	10-12-20
West Virginia DEP	State	142	02-01-21
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: 180-110809-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-110809-1	GWA-15	Water	09/09/20 11:40	09/11/20 09:40	
180-110809-2	GWA-16	Water	09/09/20 13:05	09/11/20 09:40	
180-110809-3	GWA-17	Water	09/09/20 14:15	09/11/20 09:40	
180-110809-4	GWC-1	Water	09/09/20 13:50	09/11/20 09:40	
180-110809-5	GWC-2	Water	09/09/20 15:15	09/11/20 09:40	
180-110809-6	GWC-5	Water	09/09/20 10:36	09/11/20 09:40	
180-110809-7	GWC-8A	Water	09/09/20 16:25	09/11/20 09:40	
180-110809-8	GWC-9	Water	09/09/20 13:40	09/11/20 09:40	
180-110809-9	GWC-10	Water	09/09/20 12:40	09/11/20 09:40	
180-110809-10	GWC-14	Water	09/09/20 16:25	09/11/20 09:40	
180-110809-11	GWC-18	Water	09/09/20 15:00	09/11/20 09:40	
180-110809-12	GWC-19	Water	09/09/20 16:00	09/11/20 09:40	
180-110809-13	FD (LF)	Water	09/09/20 00:00	09/11/20 09:40	
180-110867-1	GWC-3	Water	09/10/20 11:00	09/12/20 09:30	
180-110867-2	GWC-4	Water	09/10/20 12:40	09/12/20 09:30	
180-110867-3	GWC-6	Water	09/10/20 16:35	09/12/20 09:30	
180-110867-4	GWC-7	Water	09/10/20 10:55	09/12/20 09:30	
180-110867-5	GWC-11	Water	09/10/20 12:15	09/12/20 09:30	
180-110867-6	GWC-12	Water	09/10/20 09:55	09/12/20 09:30	
180-110867-7	GWC-13	Water	09/10/20 10:00	09/12/20 09:30	
180-110867-8	GWC-20	Water	09/10/20 13:05	09/12/20 09:30	
180-110867-9	FB (LF)	Water	09/10/20 11:30	09/12/20 09:30	
180-110867-10	EB (LF)	Water	09/11/20 08:00	09/12/20 09:30	



# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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: 180-110809-1

**Client Sample ID: GWA-15**  
**Date Collected: 09/09/20 11:40**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-1**  
**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			330680	09/22/20 14:58	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332374	10/05/20 12:59	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332551	10/06/20 13:57	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331517	09/28/20 13:36	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			329598	09/09/20 11:40	FDS	TAL PIT

**Client Sample ID: GWA-16**  
**Date Collected: 09/09/20 13:05**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-2**  
**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			330680	09/22/20 15:47	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332374	10/05/20 13:02	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332551	10/06/20 13:59	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331517	09/28/20 13:37	KEM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			329598	09/09/20 13:05	FDS	TAL PIT

**Client Sample ID: GWA-17**  
**Date Collected: 09/09/20 14:15**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-3**  
**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			330680	09/22/20 16:04	MJH	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWA-17**

**Date Collected: 09/09/20 14:15**

**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-3**

**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	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:04	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:02	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:38	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 14:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-1**

**Date Collected: 09/09/20 13:50**

**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-4**

**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			330680	09/22/20 16:20	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:07	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:10	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:38	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 13:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-2**

**Date Collected: 09/09/20 15:15**

**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-5**

**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			330680	09/22/20 16:36	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:25	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-2**  
**Date Collected: 09/09/20 15:15**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-5**  
**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	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:22	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:39	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 15:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-5**  
**Date Collected: 09/09/20 10:36**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-6**  
**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			330680	09/22/20 16:53	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:27	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:25	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:40	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 10:36	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-8A**  
**Date Collected: 09/09/20 16:25**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-7**  
**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			330680	09/22/20 17:09	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:30	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:27	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-8A**

**Lab Sample ID: 180-110809-7**

**Date Collected: 09/09/20 16:25**

**Matrix: Water**

**Date Received: 09/11/20 09:40**

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	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:41	KEM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329688	09/15/20 07:10	AVS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 16:25	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-110809-8**

**Date Collected: 09/09/20 13:40**

**Matrix: Water**

**Date Received: 09/11/20 09:40**

Prep Type	Batch Type	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			330680	09/22/20 17:25	MJH	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:32	RJR	TAL PIT
		Instrument ID: NEMO								
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:30	RJR	TAL PIT
		Instrument ID: NEMO								
Total/NA	Prep	7470A			50 mL	50 mL	331218	09/25/20 07:35	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 13:42	KEM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 13:40	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-110809-9**

**Date Collected: 09/09/20 12:40**

**Matrix: Water**

**Date Received: 09/11/20 09:40**

Prep Type	Batch Type	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			330680	09/22/20 18:14	MJH	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:35	RJR	TAL PIT
		Instrument ID: NEMO								
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:32	RJR	TAL PIT
		Instrument ID: NEMO								
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 11:56	KEM	TAL PIT
		Instrument ID: HGZ								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-10**  
**Date Collected: 09/09/20 12:40**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-9**  
**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	SM 2540C		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			329598	09/09/20 12:40	FDS	TAL PIT

**Client Sample ID: GWC-14**  
**Date Collected: 09/09/20 16:25**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-10**  
**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			330680	09/22/20 18:31	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332374	10/05/20 13:38	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332551	10/06/20 14:40	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			331341	09/25/20 15:17	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			329598	09/09/20 16:25	FDS	TAL PIT

**Client Sample ID: GWC-18**  
**Date Collected: 09/09/20 15:00**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-11**  
**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: INTEGRION		1			330681	09/22/20 19:19	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332374	10/05/20 13:40	RJR	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332551	10/06/20 14:43	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGY		1			331341	09/25/20 15:18	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			329598	09/09/20 15:00	FDS	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-19**  
**Date Collected: 09/09/20 16:00**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			330680	09/22/20 13:37	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:43	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:45	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331341	09/25/20 15:19	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/09/20 16:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FD (LF)**  
**Date Collected: 09/09/20 00:00**  
**Date Received: 09/11/20 09:40**

**Lab Sample ID: 180-110809-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			330680	09/22/20 13:53	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 13:46	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331425	09/27/20 14:03	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 14:48	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331341	09/25/20 15:20	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329702	09/15/20 08:17	AVS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-3**  
**Date Collected: 09/10/20 11:00**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110867-1**  
**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			330681	09/22/20 20:22	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:44	RJR	TAL PIT
Instrument ID: NEMO										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-3**  
**Date Collected: 09/10/20 11:00**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110867-1**  
**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	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:45	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:17	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329956	09/16/20 11:02	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 11:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-4**  
**Date Collected: 09/10/20 12:40**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110867-2**  
**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			330681	09/22/20 20:42	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:47	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:47	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:18	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 12:40	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-6**  
**Date Collected: 09/10/20 16:35**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110867-3**  
**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			330681	09/22/20 21:03	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:50	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:50	RJR	TAL PIT
Instrument ID: NEMO										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-6**

**Lab Sample ID: 180-110867-3**

**Date Collected: 09/10/20 16:35**

**Matrix: Water**

**Date Received: 09/12/20 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	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:19	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 16:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-110867-4**

**Date Collected: 09/10/20 10:55**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/22/20 21:24	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:36	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:18	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331235	09/25/20 07:40	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:28	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 10:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-110867-5**

**Date Collected: 09/10/20 12:15**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/22/20 21:45	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:39	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:21	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331235	09/25/20 07:40	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:29	KEM	TAL PIT
Instrument ID: HGZ										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-110867-5**

**Date Collected: 09/10/20 12:15**

**Matrix: Water**

**Date Received: 09/12/20 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 12:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-110867-6**

**Date Collected: 09/10/20 09:55**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/22/20 22:06	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:41	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:24	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331235	09/25/20 07:40	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:30	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 09:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-110867-7**

**Date Collected: 09/10/20 10:00**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/22/20 22:27	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:44	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:26	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331235	09/25/20 07:40	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:31	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 10:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-110867-8**

**Date Collected: 09/10/20 13:05**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/22/20 23:29	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:52	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:29	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331341	09/25/20 15:11	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 13:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB (LF)**

**Lab Sample ID: 180-110867-9**

**Date Collected: 09/10/20 11:30**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/23/20 03:40	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:54	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:31	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331341	09/25/20 15:12	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: EB (LF)**

**Lab Sample ID: 180-110867-10**

**Date Collected: 09/11/20 08:00**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/23/20 04:01	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 11:57	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: EB (LF)**

**Lab Sample ID: 180-110867-10**

**Date Collected: 09/11/20 08:00**

**Matrix: Water**

**Date Received: 09/12/20 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	331484	09/28/20 09:50	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 13:39	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331076	09/24/20 08:34	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331341	09/25/20 15:13	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330126	09/17/20 07:41	AVS	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

KHM = Kyle Mucroski

MM1 = Mary Beth Miller

Batch Type: Analysis

AVS = Abbey Smith

FDS = Sampler Field

KEM = Kimberly Mahoney

MJH = Matthew Hartman

RJR = Ron Rosenbaum

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWA-15**

**Lab Sample ID: 180-110809-1**

Date Collected: 09/09/20 11:40

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>6.1</b>		1.0	0.32	mg/L			09/22/20 14:58	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 14:58	1
<b>Sulfate</b>	<b>1.6</b>		1.0	0.38	mg/L			09/22/20 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		09/27/20 14:03	10/05/20 12:59	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 12:59	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 12:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 12:59	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 12:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 12:59	1
<b>Calcium</b>	<b>4.0</b>		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 12:59	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 12:59	1
<b>Cobalt</b>	<b>0.0016</b>	<b>J</b>	0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 12:59	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 12:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 12:59	1
<b>Nickel</b>	<b>0.00069</b>	<b>J</b>	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 13:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 12:59	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 13:57	1
<b>Thallium</b>	<b>0.00025</b>	<b>J</b>	0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 12:59	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 12:59	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 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		09/25/20 07:35	09/28/20 13:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/15/20 07:10	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.71</b>				SU			09/09/20 11:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-110809-2**

Date Collected: 09/09/20 13:05

Matrix: Water

Date Received: 09/11/20 09:40

### 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	0.32	mg/L			09/22/20 15:47	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/22/20 15:47	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 15:47	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		09/27/20 14:03	10/05/20 13:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:02	1
Barium	0.024		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:02	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:02	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:02	1
Calcium	11		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:02	1
Chromium	0.0050		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:02	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:02	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 13:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 13:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:02	1
Vanadium	0.0072		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:02	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 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		09/25/20 07:35	09/28/20 13:37	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	66		10	10	mg/L			09/15/20 07:10	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.33				SU			09/09/20 13:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWA-17**

**Lab Sample ID: 180-110809-3**

Date Collected: 09/09/20 14:15

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.32	mg/L			09/22/20 16:04	1
Fluoride	0.036	J	0.10	0.026	mg/L			09/22/20 16:04	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 16:04	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		09/27/20 14:03	10/05/20 13:04	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:04	1
Barium	0.033		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:04	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:04	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:04	1
Calcium	7.3		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:04	1
Chromium	0.0088		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:04	1
Cobalt	0.00019	J	0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:04	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:04	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:04	1
Nickel	0.00048	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:04	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:04	1
Vanadium	0.0053		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:04	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:04	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		09/25/20 07:35	09/28/20 13:38	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		10	10	mg/L			09/15/20 07:10	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.05				SU			09/09/20 14:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-110809-4**

Date Collected: 09/09/20 13:50

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		1.0	0.32	mg/L			09/22/20 16:20	1
Fluoride	0.069	J	0.10	0.026	mg/L			09/22/20 16:20	1
Sulfate	0.77	J	1.0	0.38	mg/L			09/22/20 16:20	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		09/27/20 14:03	10/05/20 13:07	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:07	1
Barium	0.046		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:07	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:07	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:07	1
Calcium	17		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:07	1
Chromium	0.014		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:07	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:07	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:07	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:07	1
Nickel	0.00047	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:07	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:10	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:07	1
Vanadium	0.018		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:07	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:07	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		09/25/20 07:35	09/28/20 13:38	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			09/15/20 07:10	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.57				SU			09/09/20 13:50	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-2**

**Lab Sample ID: 180-110809-5**

Date Collected: 09/09/20 15:15

Matrix: Water

Date Received: 09/11/20 09:40

### 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	0.32	mg/L			09/22/20 16:36	1
Fluoride	0.033	J	0.10	0.026	mg/L			09/22/20 16:36	1
Sulfate	0.59	J	1.0	0.38	mg/L			09/22/20 16:36	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		09/27/20 14:03	10/05/20 13:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:25	1
Barium	0.047		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:25	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:25	1
Calcium	17		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:25	1
Chromium	0.010		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:25	1
Nickel	0.0016		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:25	1
Vanadium	0.014		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:25	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		09/25/20 07:35	09/28/20 13:39	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			09/15/20 07:10	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			09/09/20 15:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-110809-6**

Date Collected: 09/09/20 10:36

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.7		1.0	0.32	mg/L			09/22/20 16:53	1
Fluoride	0.033	J	0.10	0.026	mg/L			09/22/20 16:53	1
Sulfate	110		1.0	0.38	mg/L			09/22/20 16:53	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		09/27/20 14:03	10/05/20 13:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:27	1
Barium	0.033		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:27	1
Boron	0.24		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:27	1
Calcium	35		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:27	1
Chromium	0.0048		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:27	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:27	1
Nickel	0.00039	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:25	1
Selenium	0.0054		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:27	1
Vanadium	0.0020		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:27	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:27	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		09/25/20 07:35	09/28/20 13:40	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	270		10	10	mg/L			09/15/20 07:10	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.08				SU			09/09/20 10:36	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-8A**  
Date Collected: 09/09/20 16:25  
Date Received: 09/11/20 09:40

**Lab Sample ID: 180-110809-7**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.32	mg/L			09/22/20 17:09	1
Fluoride	0.038	J	0.10	0.026	mg/L			09/22/20 17:09	1
Sulfate	11		1.0	0.38	mg/L			09/22/20 17:09	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		09/27/20 14:03	10/05/20 13:30	1
Arsenic	0.00092	J	0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:30	1
Barium	0.053		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:30	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:30	1
Boron	0.13		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:30	1
Calcium	64		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:30	1
Cobalt	0.0043		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:30	1
Nickel	0.0036		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:30	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		09/25/20 07:35	09/28/20 13:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			09/15/20 07:10	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			09/09/20 16:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-110809-8**

Date Collected: 09/09/20 13:40

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.2		1.0	0.32	mg/L			09/22/20 17:25	1
Fluoride	0.067	J	0.10	0.026	mg/L			09/22/20 17:25	1
Sulfate	8.4		1.0	0.38	mg/L			09/22/20 17:25	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		09/27/20 14:03	10/05/20 13:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:32	1
Barium	0.025		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:32	1
Boron	0.088		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:32	1
Calcium	16		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:32	1
Chromium	0.0081		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:32	1
Cobalt	0.00023	J	0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:32	1
Nickel	0.00046	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:32	1
Vanadium	0.022		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:32	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:32	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		09/25/20 07:35	09/28/20 13:42	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			09/15/20 08:17	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.80				SU			09/09/20 13:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-110809-9**

Date Collected: 09/09/20 12:40

Matrix: Water

Date Received: 09/11/20 09:40

## 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	0.32	mg/L			09/22/20 18:14	1
Fluoride	0.055	J	0.10	0.026	mg/L			09/22/20 18:14	1
Sulfate	2.6		1.0	0.38	mg/L			09/22/20 18:14	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		09/27/20 14:03	10/05/20 13:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:35	1
Barium	0.036		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:35	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:35	1
Calcium	20		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:35	1
Chromium	0.018		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:35	1
Nickel	0.0021		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:35	1
Vanadium	0.012		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:35	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		09/25/20 07:38	09/28/20 11:56	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	160		10	10	mg/L			09/15/20 08:17	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			09/09/20 12:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-14**

**Lab Sample ID: 180-110809-10**

Date Collected: 09/09/20 16:25

Matrix: Water

Date Received: 09/11/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.9</b>		1.0	0.32	mg/L			09/22/20 18:31	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 18:31	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 18:31	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		09/27/20 14:03	10/05/20 13:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:38	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:38	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:38	1
<b>Calcium</b>	<b>6.5</b>		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:38	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		09/24/20 08:34	09/25/20 15:17	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>54</b>		10	10	mg/L			09/15/20 08:17	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.88</b>				SU			09/09/20 16:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-110809-11**

Date Collected: 09/09/20 15:00

Matrix: Water

Date Received: 09/11/20 09:40

### 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	0.32	mg/L			09/22/20 19:19	1
Fluoride	0.045	J	0.10	0.026	mg/L			09/22/20 19:19	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 19:19	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		09/27/20 14:03	10/05/20 13:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:40	1
Barium	0.036		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:40	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:40	1
Calcium	10		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:40	1
Chromium	0.013		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:40	1
Cobalt	0.00014	J	0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:40	1
Copper	0.00084	J	0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:40	1
Nickel	0.00064	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:40	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:40	1
Vanadium	0.0070		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/24/20 08:34	09/25/20 15:18	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	77		10	10	mg/L			09/15/20 08:17	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			09/09/20 15:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-110809-12**

Date Collected: 09/09/20 16:00

Matrix: Water

Date Received: 09/11/20 09:40

### 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	0.32	mg/L			09/22/20 13:37	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/22/20 13:37	1
Sulfate	1.2		1.0	0.38	mg/L			09/22/20 13:37	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		09/27/20 14:03	10/05/20 13:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:43	1
Barium	0.026		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:43	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:43	1
Calcium	15		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:43	1
Chromium	0.011		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:43	1
Nickel	0.00039	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:43	1
Vanadium	0.0071		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/24/20 08:34	09/25/20 15:19	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			09/15/20 08:17	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.27				SU			09/09/20 16:00	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: FD (LF)**

**Lab Sample ID: 180-110809-13**

Date Collected: 09/09/20 00:00

Matrix: Water

Date Received: 09/11/20 09:40

### 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	0.32	mg/L			09/22/20 13:53	1
Fluoride	0.062	J	0.10	0.026	mg/L			09/22/20 13:53	1
Sulfate	7.4		1.0	0.38	mg/L			09/22/20 13:53	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		09/27/20 14:03	10/05/20 13:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 13:46	1
Barium	0.023		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 13:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 13:46	1
Boron	0.076	J	0.080	0.039	mg/L		09/27/20 14:03	10/05/20 13:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 13:46	1
Calcium	16		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 13:46	1
Chromium	0.0077		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 13:46	1
Cobalt	0.00022	J	0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 13:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 13:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 13:46	1
Nickel	0.00043	J	0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 14:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 13:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 14:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 13:46	1
Vanadium	0.022		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 13:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/24/20 08:34	09/25/20 15:20	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			09/15/20 08:17	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-3**

**Lab Sample ID: 180-110867-1**

Date Collected: 09/10/20 11:00

Matrix: Water

Date Received: 09/12/20 09:30

## 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	0.32	mg/L			09/22/20 20:22	1
Fluoride	0.063	J	0.10	0.026	mg/L			09/22/20 20:22	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 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		09/27/20 14:18	10/05/20 16:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:44	1
Barium	0.015		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:44	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:44	1
Calcium	6.3		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:44	1
Chromium	0.0061		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:44	1
Cobalt	0.00023	J	0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:44	1
Copper	0.00072	J	0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:44	1
Nickel	0.0014		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:44	1
Vanadium	0.0061		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:44	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:44	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		09/25/20 07:38	09/28/20 12:17	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	59		10	10	mg/L			09/16/20 11:02	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.24				SU			09/10/20 11:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-4**

**Lab Sample ID: 180-110867-2**

Date Collected: 09/10/20 12:40

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.7		1.0	0.32	mg/L			09/22/20 20:42	1
Fluoride	0.10		0.10	0.026	mg/L			09/22/20 20:42	1
Sulfate	1.6		1.0	0.38	mg/L			09/22/20 20:42	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		09/27/20 14:18	10/05/20 16:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:47	1
Barium	0.045		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:47	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:47	1
Calcium	13		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:47	1
Chromium	0.0055		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:47	1
Cobalt	0.00032	J	0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:47	1
Copper	0.0011	J	0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:47	1
Nickel	0.0013		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:47	1
Vanadium	0.0068		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:47	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:18	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			09/17/20 07:41	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.46				SU			09/10/20 12:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-6**

**Lab Sample ID: 180-110867-3**

Date Collected: 09/10/20 16:35

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.3		1.0	0.32	mg/L			09/22/20 21:03	1
Fluoride	0.052	J	0.10	0.026	mg/L			09/22/20 21:03	1
Sulfate	9.4		1.0	0.38	mg/L			09/22/20 21:03	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		09/27/20 14:18	10/05/20 16:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:50	1
Barium	0.056		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:50	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:50	1
Calcium	16		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:50	1
Chromium	0.0049		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:50	1
Nickel	0.00090	J	0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:50	1
Vanadium	0.0094		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:19	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			09/17/20 07:41	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.43				SU			09/10/20 16:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-7**

**Lab Sample ID: 180-110867-4**

Date Collected: 09/10/20 10:55

Matrix: Water

Date Received: 09/12/20 09:30

## 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	0.32	mg/L			09/22/20 21:24	1
Fluoride	0.053	J	0.10	0.026	mg/L			09/22/20 21:24	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 21:24	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		09/28/20 09:50	10/05/20 11:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:36	1
Barium	0.039		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:36	1
Beryllium	0.00018	J	0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:36	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:36	1
Calcium	15		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:36	1
Chromium	0.0098		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:36	1
Cobalt	0.00038	J	0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:36	1
Copper	0.0024		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:36	1
Lead	0.00017	J	0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:36	1
Nickel	0.00070	J	0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/05/20 11:36	1
Thallium	0.00019	J	0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:36	1
Vanadium	0.014		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:36	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		09/25/20 07:40	09/28/20 12:28	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			09/17/20 07:41	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			09/10/20 10:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-110867-5**

Date Collected: 09/10/20 12:15

Matrix: Water

Date Received: 09/12/20 09:30

## 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	0.32	mg/L			09/22/20 21:45	1
Fluoride	0.052	J	0.10	0.026	mg/L			09/22/20 21:45	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 21:45	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		09/28/20 09:50	10/05/20 11:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:39	1
Barium	0.020		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:39	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:39	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:39	1
Cadmium	0.0010	J	0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:39	1
Calcium	13		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:39	1
Chromium	0.0090		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:39	1
Cobalt	0.00033	J	0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:39	1
Copper	0.00070	J	0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:39	1
Lead	0.00014	J	0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:39	1
Nickel	0.0012		0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/05/20 11:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:39	1
Vanadium	0.010		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:39	1
Zinc	0.018		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:40	09/28/20 12:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	95		10	10	mg/L			09/17/20 07:41	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.16				SU			09/10/20 12:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-110867-6**

Date Collected: 09/10/20 09:55

Matrix: Water

Date Received: 09/12/20 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>1.8</b>		1.0	0.32	mg/L			09/22/20 22:06	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 22:06	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 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		09/28/20 09:50	10/05/20 11:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:41	1
<b>Barium</b>	<b>0.019</b>		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:41	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:41	1
<b>Calcium</b>	<b>1.1</b>		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:41	1
<b>Cobalt</b>	<b>0.00057 J</b>		0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:41	1
<b>Nickel</b>	<b>0.00088 J</b>		0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:24	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/05/20 11:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:41	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:41	1
<b>Zinc</b>	<b>0.0037 J</b>		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:41	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		09/25/20 07:40	09/28/20 12:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>13</b>		10	10	mg/L			09/17/20 07:41	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.10</b>				SU			09/10/20 09:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-13**

**Lab Sample ID: 180-110867-7**

Date Collected: 09/10/20 10:00

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.32	mg/L			09/22/20 22:27	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/22/20 22:27	1
Sulfate	1.3		1.0	0.38	mg/L			09/22/20 22:27	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		09/28/20 09:50	10/05/20 11:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:44	1
Barium	0.037		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:44	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:44	1
Calcium	6.7		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:44	1
Chromium	0.0054		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:44	1
Nickel	0.00044	J	0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:26	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/05/20 11:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:44	1
Vanadium	0.0011		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:44	1
Zinc	0.0038	J	0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:44	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		09/25/20 07:40	09/28/20 12:31	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	60		10	10	mg/L			09/17/20 07:41	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.83				SU			09/10/20 10:00	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-110867-8**

Date Collected: 09/10/20 13:05

Matrix: Water

Date Received: 09/12/20 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	0.32	mg/L			09/22/20 23:29	1
Fluoride	0.051	J	0.10	0.026	mg/L			09/22/20 23:29	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 23:29	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		09/28/20 09:50	10/05/20 11:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:52	1
Barium	0.031		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:52	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:52	1
Calcium	13		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:52	1
Chromium	0.0090		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:52	1
Cobalt	0.00018	J	0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:52	1
Nickel	0.00098	J	0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/06/20 13:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:52	1
Vanadium	0.018		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:52	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		09/24/20 08:34	09/25/20 15:11	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			09/17/20 07:41	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.49				SU			09/10/20 13:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: FB (LF)**

**Lab Sample ID: 180-110867-9**

**Date Collected: 09/10/20 11:30**

**Matrix: Water**

**Date Received: 09/12/20 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/23/20 03:40	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 03:40	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 03:40	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		09/28/20 09:50	10/05/20 11:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:54	1
Barium	<0.0016		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:54	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:54	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:54	1
Calcium	<0.13		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:54	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:54	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:54	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/06/20 13:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:54	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/24/20 08:34	09/25/20 15:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/17/20 07:41	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

**Client Sample ID: EB (LF)**  
Date Collected: 09/11/20 08:00  
Date Received: 09/12/20 09:30

**Lab Sample ID: 180-110867-10**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/23/20 04:01	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 04:01	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 04:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 09:50	10/05/20 11:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:57	1
Barium	<0.0016		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:57	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:57	1
Calcium	<0.13		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:57	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:39	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/06/20 13:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:57	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:57	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		09/24/20 08:34	09/25/20 15:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/17/20 07:41	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: MB 180-330680/6**  
**Matrix: Water**  
**Analysis Batch: 330680**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/22/20 07:57	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 07:57	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 07:57	1

**Lab Sample ID: LCS 180-330680/5**  
**Matrix: Water**  
**Analysis Batch: 330680**

**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	51.2		mg/L		102	90 - 110
Fluoride	2.50	2.57		mg/L		103	90 - 110
Sulfate	50.0	51.4		mg/L		103	90 - 110

**Lab Sample ID: 180-110809-1 MS**  
**Matrix: Water**  
**Analysis Batch: 330680**

**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	6.1		50.0	51.2		mg/L		90	90 - 110
Fluoride	<0.026		2.50	2.30		mg/L		92	90 - 110
Sulfate	1.6		50.0	46.7		mg/L		90	90 - 110

**Lab Sample ID: 180-110809-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 330680**

**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	6.1		50.0	52.2		mg/L		92	90 - 110	2	20
Fluoride	<0.026		2.50	2.36		mg/L		94	90 - 110	3	20
Sulfate	1.6		50.0	48.0		mg/L		93	90 - 110	3	20

**Lab Sample ID: MB 180-330681/37**  
**Matrix: Water**  
**Analysis Batch: 330681**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/22/20 17:55	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 17:55	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 17:55	1

**Lab Sample ID: LCS 180-330681/36**  
**Matrix: Water**  
**Analysis Batch: 330681**

**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	50.7		mg/L		101	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110809-11 MS**  
**Matrix: Water**  
**Analysis Batch: 330681**

**Client Sample ID: GWC-18**  
**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	50.8		mg/L		96	90 - 110
Fluoride	0.045	J	2.50	2.44		mg/L		96	90 - 110
Sulfate	<0.38		50.0	47.8		mg/L		96	90 - 110

**Lab Sample ID: 180-110809-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 330681**

**Client Sample ID: GWC-18**  
**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	52.0		mg/L		98	90 - 110	2	20
Fluoride	0.045	J	2.50	2.50		mg/L		98	90 - 110	3	20
Sulfate	<0.38		50.0	48.9		mg/L		98	90 - 110	2	20

**Lab Sample ID: 180-110867-8 MS**  
**Matrix: Water**  
**Analysis Batch: 330681**

**Client Sample ID: GWC-20**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.1		50.0	52.4		mg/L		100	90 - 110
Fluoride	0.051	J	2.50	2.55		mg/L		100	90 - 110
Sulfate	<0.38		50.0	50.1		mg/L		100	90 - 110

**Lab Sample ID: 180-110867-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 330681**

**Client Sample ID: GWC-20**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.1		50.0	52.0		mg/L		100	90 - 110	1	20
Fluoride	0.051	J	2.50	2.53		mg/L		99	90 - 110	1	20
Sulfate	<0.38		50.0	49.7		mg/L		99	90 - 110	1	20

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

**Lab Sample ID: MB 180-331425/1-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/27/20 14:03	10/05/20 12:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:03	10/05/20 12:54	1
Barium	<0.0016		0.010	0.0016	mg/L		09/27/20 14:03	10/05/20 12:54	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:03	10/05/20 12:54	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:03	10/05/20 12:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:03	10/05/20 12:54	1
Calcium	<0.13		0.50	0.13	mg/L		09/27/20 14:03	10/05/20 12:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:03	10/05/20 12:54	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:03	10/05/20 12:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:03	10/05/20 12:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:03	10/05/20 12:54	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:03	10/05/20 12:54	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: MB 180-331425/1-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:03	10/05/20 12:54	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:03	10/05/20 12:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:03	10/05/20 12:54	1

**Lab Sample ID: MB 180-331425/1-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:03	10/06/20 13:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:03	10/06/20 13:52	1

**Lab Sample ID: LCS 180-331425/2-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.263		mg/L		105	80 - 120
Arsenic	1.00	0.979		mg/L		98	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	0.500	0.467		mg/L		93	80 - 120
Boron	1.25	1.15		mg/L		92	80 - 120
Cadmium	0.500	0.498		mg/L		100	80 - 120
Calcium	25.0	25.5		mg/L		102	80 - 120
Chromium	0.500	0.486		mg/L		97	80 - 120
Cobalt	0.500	0.483		mg/L		97	80 - 120
Copper	0.500	0.473		mg/L		95	80 - 120
Lead	0.500	0.502		mg/L		100	80 - 120
Selenium	1.00	0.998		mg/L		100	80 - 120
Thallium	1.00	0.977		mg/L		98	80 - 120
Vanadium	0.500	0.490		mg/L		98	80 - 120
Zinc	0.250	0.253		mg/L		101	80 - 120

**Lab Sample ID: LCS 180-331425/2-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Nickel	0.500	0.497		mg/L		99	80 - 120
Silver	0.250	0.244		mg/L		98	80 - 120

**Lab Sample ID: 180-110809-4 MS**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: GWC-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.265		mg/L		106	75 - 125
Arsenic	<0.00031		1.00	0.949		mg/L		95	75 - 125
Barium	0.046		1.00	1.04		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.468		mg/L		94	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110809-4 MS**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: GWC-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.039		1.25	1.16		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.500		mg/L		100	75 - 125
Calcium	17		25.0	43.8		mg/L		106	75 - 125
Chromium	0.014		0.500	0.506		mg/L		98	75 - 125
Cobalt	<0.00013		0.500	0.471		mg/L		94	75 - 125
Copper	<0.00063		0.500	0.479		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.504		mg/L		101	75 - 125
Selenium	<0.0015		1.00	0.975		mg/L		98	75 - 125
Thallium	<0.00015		1.00	1.00		mg/L		100	75 - 125
Vanadium	0.018		0.500	0.514		mg/L		99	75 - 125
Zinc	<0.0032		0.250	0.256		mg/L		102	75 - 125

**Lab Sample ID: 180-110809-4 MS**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: GWC-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.00047	J	0.500	0.498		mg/L		99	75 - 125
Silver	<0.00018		0.250	0.244		mg/L		98	75 - 125

**Lab Sample ID: 180-110809-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: GWC-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.267		mg/L		107	75 - 125	1	20
Arsenic	<0.00031		1.00	0.961		mg/L		96	75 - 125	1	20
Barium	0.046		1.00	1.05		mg/L		100	75 - 125	0	20
Beryllium	<0.00018		0.500	0.464		mg/L		93	75 - 125	1	20
Boron	<0.039		1.25	1.19		mg/L		95	75 - 125	2	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	1	20
Calcium	17		25.0	43.0		mg/L		103	75 - 125	2	20
Chromium	0.014		0.500	0.504		mg/L		98	75 - 125	0	20
Cobalt	<0.00013		0.500	0.477		mg/L		95	75 - 125	1	20
Copper	<0.00063		0.500	0.476		mg/L		95	75 - 125	1	20
Lead	<0.00013		0.500	0.495		mg/L		99	75 - 125	2	20
Selenium	<0.0015		1.00	0.969		mg/L		97	75 - 125	1	20
Thallium	<0.00015		1.00	0.962		mg/L		96	75 - 125	4	20
Vanadium	0.018		0.500	0.510		mg/L		98	75 - 125	1	20
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125	2	20

**Lab Sample ID: 180-110809-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: GWC-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331425**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Nickel	0.00047	J	0.500	0.501		mg/L		100	75 - 125	1	20
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125	1	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: MB 180-331427/1-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		09/27/20 14:18	10/05/20 15:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 15:34	1
Barium	<0.0016		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 15:34	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 15:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 15:34	1
Calcium	<0.13		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 15:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 15:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 15:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 15:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 15:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 15:34	1

**Lab Sample ID: MB 180-331427/1-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 16:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 16:31	1

**Lab Sample ID: LCS 180-331427/2-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.957		mg/L		96	80 - 120
Barium	1.00	0.995		mg/L		100	80 - 120
Beryllium	0.500	0.471		mg/L		94	80 - 120
Boron	1.25	1.19		mg/L		95	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	26.3		mg/L		105	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.473		mg/L		95	80 - 120
Copper	0.500	0.485		mg/L		97	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Selenium	1.00	0.999		mg/L		100	80 - 120
Thallium	1.00	0.966		mg/L		97	80 - 120
Vanadium	0.500	0.500		mg/L		100	80 - 120
Zinc	0.250	0.260		mg/L		104	80 - 120



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: LCS 180-331427/2-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Nickel	0.500	0.494		mg/L		99	80 - 120
Silver	0.250	0.244		mg/L		97	80 - 120

**Lab Sample ID: 180-110860-B-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	0.00064	J	0.250	0.285		mg/L		114	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.0041	J	1.00	1.06		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.497		mg/L		99	75 - 125
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.530		mg/L		106	75 - 125
Calcium	4.6		25.0	31.6		mg/L		108	75 - 125
Chromium	<0.0015		0.500	0.516		mg/L		103	75 - 125
Cobalt	<0.00013		0.500	0.503		mg/L		101	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.534		mg/L		107	75 - 125
Selenium	<0.0015		1.00	1.05		mg/L		105	75 - 125
Thallium	0.00022	J	1.00	1.04		mg/L		104	75 - 125
Vanadium	<0.00099		0.500	0.515		mg/L		103	75 - 125
Zinc	0.0036	J	0.250	0.273		mg/L		108	75 - 125

**Lab Sample ID: 180-110860-B-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Nickel	0.00037	J	0.500	0.513		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.259		mg/L		104	75 - 125

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.00064	J	0.250	0.275		mg/L		110	75 - 125	4	20
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125	0	20
Barium	0.0041	J	1.00	1.03		mg/L		103	75 - 125	3	20
Beryllium	<0.00018		0.500	0.485		mg/L		97	75 - 125	3	20
Boron	<0.039		1.25	1.26		mg/L		100	75 - 125	3	20
Cadmium	<0.00022		0.500	0.517		mg/L		103	75 - 125	2	20
Calcium	4.6		25.0	31.4		mg/L		107	75 - 125	1	20
Chromium	<0.0015		0.500	0.503		mg/L		101	75 - 125	3	20
Cobalt	<0.00013		0.500	0.501		mg/L		100	75 - 125	0	20
Copper	<0.00063		0.500	0.495		mg/L		99	75 - 125	2	20
Lead	<0.00013		0.500	0.517		mg/L		103	75 - 125	3	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.00022	J	1.00	1.01		mg/L		101	75 - 125	3	20
Vanadium	<0.00099		0.500	0.507		mg/L		101	75 - 125	2	20
Zinc	0.0036	J	0.250	0.267		mg/L		105	75 - 125	2	20

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.00037	J	0.500	0.503		mg/L		101	75 - 125	2	20
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125	3	20

**Lab Sample ID: MB 180-331484/1-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 09:50	10/05/20 11:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:50	10/05/20 11:31	1
Barium	<0.0016		0.010	0.0016	mg/L		09/28/20 09:50	10/05/20 11:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:50	10/05/20 11:31	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:50	10/05/20 11:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:50	10/05/20 11:31	1
Calcium	<0.13		0.50	0.13	mg/L		09/28/20 09:50	10/05/20 11:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:50	10/05/20 11:31	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:50	10/05/20 11:31	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:50	10/05/20 11:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:50	10/05/20 11:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:50	10/05/20 11:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:50	10/05/20 11:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:50	10/05/20 11:31	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 09:50	10/05/20 11:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:50	10/05/20 11:31	1

**Lab Sample ID: MB 180-331484/1-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		09/28/20 09:50	10/06/20 13:13	1

**Lab Sample ID: LCS 180-331484/2-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.266		mg/L		107	80 - 120
Arsenic	1.00	0.993		mg/L		99	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	0.500	0.479		mg/L		96	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: LCS 180-331484/2-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.18		mg/L		95	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	26.2		mg/L		105	80 - 120
Chromium	0.500	0.493		mg/L		99	80 - 120
Cobalt	0.500	0.492		mg/L		98	80 - 120
Copper	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.492		mg/L		98	80 - 120
Selenium	1.00	0.979		mg/L		98	80 - 120
Silver	0.250	0.239		mg/L		96	80 - 120
Thallium	1.00	0.963		mg/L		96	80 - 120
Vanadium	0.500	0.495		mg/L		99	80 - 120
Zinc	0.250	0.259		mg/L		103	80 - 120

**Lab Sample ID: LCS 180-331484/2-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.500	0.506		mg/L		101	80 - 120

**Lab Sample ID: 180-110867-10 MS**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: EB (LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.276		mg/L		110	75 - 125
Arsenic	<0.00031		1.00	0.991		mg/L		99	75 - 125
Barium	<0.0016		1.00	1.04		mg/L		104	75 - 125
Beryllium	<0.00018		0.500	0.475		mg/L		95	75 - 125
Boron	<0.039		1.25	1.19		mg/L		96	75 - 125
Cadmium	<0.00022		0.500	0.517		mg/L		103	75 - 125
Calcium	<0.13		25.0	26.2		mg/L		105	75 - 125
Chromium	<0.0015		0.500	0.499		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.491		mg/L		98	75 - 125
Copper	<0.00063		0.500	0.489		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.505		mg/L		101	75 - 125
Selenium	<0.0015		1.00	0.996		mg/L		100	75 - 125
Thallium	<0.00015		1.00	0.994		mg/L		99	75 - 125
Vanadium	<0.00099		0.500	0.503		mg/L		101	75 - 125
Zinc	<0.0032		0.250	0.265		mg/L		106	75 - 125

**Lab Sample ID: 180-110867-10 MS**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: EB (LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	<0.00034		0.500	0.513		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.251		mg/L		100	75 - 125

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110867-10 MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: EB (LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.271		mg/L		108	75 - 125	2	20
Arsenic	<0.00031		1.00	0.994		mg/L		99	75 - 125	0	20
Barium	<0.0016		1.00	1.02		mg/L		102	75 - 125	2	20
Beryllium	<0.00018		0.500	0.474		mg/L		95	75 - 125	0	20
Boron	<0.039		1.25	1.22		mg/L		98	75 - 125	2	20
Cadmium	<0.00022		0.500	0.510		mg/L		102	75 - 125	1	20
Calcium	<0.13		25.0	26.1		mg/L		105	75 - 125	0	20
Chromium	<0.0015		0.500	0.496		mg/L		99	75 - 125	1	20
Cobalt	<0.00013		0.500	0.491		mg/L		98	75 - 125	0	20
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125	1	20
Lead	<0.00013		0.500	0.499		mg/L		100	75 - 125	1	20
Selenium	<0.0015		1.00	0.973		mg/L		97	75 - 125	2	20
Thallium	<0.00015		1.00	0.985		mg/L		98	75 - 125	1	20
Vanadium	<0.00099		0.500	0.499		mg/L		100	75 - 125	1	20
Zinc	<0.0032		0.250	0.261		mg/L		104	75 - 125	1	20

**Lab Sample ID: 180-110867-10 MSD**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: EB (LF)**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331484**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nickel	<0.00034		0.500	0.504		mg/L		101	75 - 125	2	20
Silver	<0.00018		0.250	0.250		mg/L		100	75 - 125	0	20

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

**Lab Sample ID: MB 180-331076/1-A**  
**Matrix: Water**  
**Analysis Batch: 331341**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331076**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00013		0.00020	0.00013	mg/L		09/24/20 08:34	09/25/20 14:52	1

**Lab Sample ID: LCS 180-331076/2-A**  
**Matrix: Water**  
**Analysis Batch: 331341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331076**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.00250	0.00282		mg/L		113	80 - 120

**Lab Sample ID: 180-110788-B-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 331341**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331076**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.00013		0.00100	0.00102		mg/L		102	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110788-B-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 331341**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331076**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00103		mg/L		103	75 - 125	1	20

**Lab Sample ID: MB 180-331218/1-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331218**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:35	09/28/20 13:16	1

**Lab Sample ID: LCS 180-331218/2-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331218**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00279		mg/L		112	80 - 120

**Lab Sample ID: 180-110856-B-7-A MS**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331218**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.000963		mg/L		96	75 - 125

**Lab Sample ID: 180-110856-B-7-B MSD**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331218**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000991		mg/L		99	75 - 125	3	20

**Lab Sample ID: MB 180-331231/1-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 11:54	1

**Lab Sample ID: LCS 180-331231/2-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00266		mg/L		106	80 - 120

**Lab Sample ID: 180-110809-9 MS**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: GWC-10**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00103		mg/L		103	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

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

**Lab Sample ID: 180-110809-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: GWC-10**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00104		mg/L		104	75 - 125	1	20

**Lab Sample ID: MB 180-331235/1-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331235**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:40	09/28/20 12:20	1

**Lab Sample ID: LCS 180-331235/2-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331235**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00265		mg/L		106	80 - 120

**Lab Sample ID: 180-110859-B-11-B MS**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331235**

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

**Lab Sample ID: 180-110859-B-11-C MSD**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331235**

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 180-329688/2**  
**Matrix: Water**  
**Analysis Batch: 329688**

**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			09/15/20 07:10	1

**Lab Sample ID: LCS 180-329688/1**  
**Matrix: Water**  
**Analysis Batch: 329688**

**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	632	546		mg/L		86	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: 180-110785-C-5 DU**  
**Matrix: Water**  
**Analysis Batch: 329688**

**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	670		663		mg/L		0.5	10

**Lab Sample ID: 180-110788-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 329688**

**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	290		285		mg/L		1	10

**Lab Sample ID: MB 180-329702/2**  
**Matrix: Water**  
**Analysis Batch: 329702**

**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			09/15/20 08:17	1

**Lab Sample ID: LCS 180-329702/1**  
**Matrix: Water**  
**Analysis Batch: 329702**

**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	632	636		mg/L		101	80 - 120

**Lab Sample ID: 180-110812-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 329702**

**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	360		340		mg/L		5	10

**Lab Sample ID: MB 180-329956/2**  
**Matrix: Water**  
**Analysis Batch: 329956**

**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			09/16/20 11:02	1

**Lab Sample ID: LCS 180-329956/1**  
**Matrix: Water**  
**Analysis Batch: 329956**

**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	632	648		mg/L		103	80 - 120

**Lab Sample ID: 180-110866-A-5 DU**  
**Matrix: Water**  
**Analysis Batch: 329956**

**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	56		54.0		mg/L		4	10

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-330126/2**  
**Matrix: Water**  
**Analysis Batch: 330126**

**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			09/17/20 07:41	1

**Lab Sample ID: LCS 180-330126/1**  
**Matrix: Water**  
**Analysis Batch: 330126**

**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	632	610		mg/L		97	80 - 120

**Lab Sample ID: 180-110916-A-2 DU**  
**Matrix: Water**  
**Analysis Batch: 330126**

**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	250		255		mg/L		2	10

**Lab Sample ID: 180-110920-A-3 DU**  
**Matrix: Water**  
**Analysis Batch: 330126**

**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	360		370		mg/L		4	10



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## HPLC/IC

### Analysis Batch: 330680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-110809-2	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-110809-3	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-110809-4	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-110809-5	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-110809-6	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-110809-7	GWC-8A	Total/NA	Water	EPA 300.0 R2.1	
180-110809-8	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-110809-9	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-110809-10	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-110809-12	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-110809-13	FD (LF)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-330680/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-330680/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-110809-1 MS	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-110809-1 MSD	GWA-15	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 330681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-11	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-110867-1	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-110867-2	GWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-110867-3	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-110867-4	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-110867-5	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-110867-6	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-110867-7	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-110867-8	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-110867-9	FB (LF)	Total/NA	Water	EPA 300.0 R2.1	
180-110867-10	EB (LF)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-330681/37	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-330681/36	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-110809-11 MS	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-110809-11 MSD	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-110867-8 MS	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-110867-8 MSD	GWC-20	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 331076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-10	GWC-14	Total/NA	Water	7470A	
180-110809-11	GWC-18	Total/NA	Water	7470A	
180-110809-12	GWC-19	Total/NA	Water	7470A	
180-110809-13	FD (LF)	Total/NA	Water	7470A	
180-110867-8	GWC-20	Total/NA	Water	7470A	
180-110867-9	FB (LF)	Total/NA	Water	7470A	
180-110867-10	EB (LF)	Total/NA	Water	7470A	
MB 180-331076/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331076/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110788-B-1-C MS	Matrix Spike	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Metals (Continued)

### Prep Batch: 331076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110788-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 331218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total/NA	Water	7470A	
180-110809-2	GWA-16	Total/NA	Water	7470A	
180-110809-3	GWA-17	Total/NA	Water	7470A	
180-110809-4	GWC-1	Total/NA	Water	7470A	
180-110809-5	GWC-2	Total/NA	Water	7470A	
180-110809-6	GWC-5	Total/NA	Water	7470A	
180-110809-7	GWC-8A	Total/NA	Water	7470A	
180-110809-8	GWC-9	Total/NA	Water	7470A	
MB 180-331218/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331218/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110856-B-7-A MS	Matrix Spike	Total/NA	Water	7470A	
180-110856-B-7-B MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 331231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-9	GWC-10	Total/NA	Water	7470A	
180-110867-1	GWC-3	Total/NA	Water	7470A	
180-110867-2	GWC-4	Total/NA	Water	7470A	
180-110867-3	GWC-6	Total/NA	Water	7470A	
MB 180-331231/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331231/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110809-9 MS	GWC-10	Total/NA	Water	7470A	
180-110809-9 MSD	GWC-10	Total/NA	Water	7470A	

### Prep Batch: 331235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110867-4	GWC-7	Total/NA	Water	7470A	
180-110867-5	GWC-11	Total/NA	Water	7470A	
180-110867-6	GWC-12	Total/NA	Water	7470A	
180-110867-7	GWC-13	Total/NA	Water	7470A	
MB 180-331235/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331235/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110859-B-11-B MS	Matrix Spike	Total/NA	Water	7470A	
180-110859-B-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 331341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-10	GWC-14	Total/NA	Water	EPA 7470A	331076
180-110809-11	GWC-18	Total/NA	Water	EPA 7470A	331076
180-110809-12	GWC-19	Total/NA	Water	EPA 7470A	331076
180-110809-13	FD (LF)	Total/NA	Water	EPA 7470A	331076
180-110867-8	GWC-20	Total/NA	Water	EPA 7470A	331076
180-110867-9	FB (LF)	Total/NA	Water	EPA 7470A	331076
180-110867-10	EB (LF)	Total/NA	Water	EPA 7470A	331076
MB 180-331076/1-A	Method Blank	Total/NA	Water	EPA 7470A	331076
LCS 180-331076/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331076
180-110788-B-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	331076

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Metals (Continued)

### Analysis Batch: 331341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110788-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331076

### Prep Batch: 331425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total Recoverable	Water	3005A	
180-110809-2	GWA-16	Total Recoverable	Water	3005A	
180-110809-3	GWA-17	Total Recoverable	Water	3005A	
180-110809-4	GWC-1	Total Recoverable	Water	3005A	
180-110809-5	GWC-2	Total Recoverable	Water	3005A	
180-110809-6	GWC-5	Total Recoverable	Water	3005A	
180-110809-7	GWC-8A	Total Recoverable	Water	3005A	
180-110809-8	GWC-9	Total Recoverable	Water	3005A	
180-110809-9	GWC-10	Total Recoverable	Water	3005A	
180-110809-10	GWC-14	Total Recoverable	Water	3005A	
180-110809-11	GWC-18	Total Recoverable	Water	3005A	
180-110809-12	GWC-19	Total Recoverable	Water	3005A	
180-110809-13	FD (LF)	Total Recoverable	Water	3005A	
MB 180-331425/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331425/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-110809-4 MS	GWC-1	Total Recoverable	Water	3005A	
180-110809-4 MSD	GWC-1	Total Recoverable	Water	3005A	

### Prep Batch: 331427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110867-1	GWC-3	Total Recoverable	Water	3005A	
180-110867-2	GWC-4	Total Recoverable	Water	3005A	
180-110867-3	GWC-6	Total Recoverable	Water	3005A	
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 331484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110867-4	GWC-7	Total Recoverable	Water	3005A	
180-110867-5	GWC-11	Total Recoverable	Water	3005A	
180-110867-6	GWC-12	Total Recoverable	Water	3005A	
180-110867-7	GWC-13	Total Recoverable	Water	3005A	
180-110867-8	GWC-20	Total Recoverable	Water	3005A	
180-110867-9	FB (LF)	Total Recoverable	Water	3005A	
180-110867-10	EB (LF)	Total Recoverable	Water	3005A	
MB 180-331484/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331484/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-110867-10 MS	EB (LF)	Total Recoverable	Water	3005A	
180-110867-10 MSD	EB (LF)	Total Recoverable	Water	3005A	

### Analysis Batch: 331517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total/NA	Water	EPA 7470A	331218
180-110809-2	GWA-16	Total/NA	Water	EPA 7470A	331218
180-110809-3	GWA-17	Total/NA	Water	EPA 7470A	331218

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Metals (Continued)

### Analysis Batch: 331517 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-4	GWC-1	Total/NA	Water	EPA 7470A	331218
180-110809-5	GWC-2	Total/NA	Water	EPA 7470A	331218
180-110809-6	GWC-5	Total/NA	Water	EPA 7470A	331218
180-110809-7	GWC-8A	Total/NA	Water	EPA 7470A	331218
180-110809-8	GWC-9	Total/NA	Water	EPA 7470A	331218
180-110809-9	GWC-10	Total/NA	Water	EPA 7470A	331231
180-110867-1	GWC-3	Total/NA	Water	EPA 7470A	331231
180-110867-2	GWC-4	Total/NA	Water	EPA 7470A	331231
180-110867-3	GWC-6	Total/NA	Water	EPA 7470A	331231
180-110867-4	GWC-7	Total/NA	Water	EPA 7470A	331235
180-110867-5	GWC-11	Total/NA	Water	EPA 7470A	331235
180-110867-6	GWC-12	Total/NA	Water	EPA 7470A	331235
180-110867-7	GWC-13	Total/NA	Water	EPA 7470A	331235
MB 180-331218/1-A	Method Blank	Total/NA	Water	EPA 7470A	331218
MB 180-331231/1-A	Method Blank	Total/NA	Water	EPA 7470A	331231
MB 180-331235/1-A	Method Blank	Total/NA	Water	EPA 7470A	331235
LCS 180-331218/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331218
LCS 180-331231/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331231
LCS 180-331235/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331235
180-110809-9 MS	GWC-10	Total/NA	Water	EPA 7470A	331231
180-110809-9 MSD	GWC-10	Total/NA	Water	EPA 7470A	331231
180-110856-B-7-A MS	Matrix Spike	Total/NA	Water	EPA 7470A	331218
180-110856-B-7-B MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331218
180-110859-B-11-B MS	Matrix Spike	Total/NA	Water	EPA 7470A	331235
180-110859-B-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331235

### Analysis Batch: 332374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total Recoverable	Water	EPA 6020B	331425
180-110809-2	GWA-16	Total Recoverable	Water	EPA 6020B	331425
180-110809-3	GWA-17	Total Recoverable	Water	EPA 6020B	331425
180-110809-4	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110809-5	GWC-2	Total Recoverable	Water	EPA 6020B	331425
180-110809-6	GWC-5	Total Recoverable	Water	EPA 6020B	331425
180-110809-7	GWC-8A	Total Recoverable	Water	EPA 6020B	331425
180-110809-8	GWC-9	Total Recoverable	Water	EPA 6020B	331425
180-110809-9	GWC-10	Total Recoverable	Water	EPA 6020B	331425
180-110809-10	GWC-14	Total Recoverable	Water	EPA 6020B	331425
180-110809-11	GWC-18	Total Recoverable	Water	EPA 6020B	331425
180-110809-12	GWC-19	Total Recoverable	Water	EPA 6020B	331425
180-110809-13	FD (LF)	Total Recoverable	Water	EPA 6020B	331425
180-110867-1	GWC-3	Total Recoverable	Water	EPA 6020B	331427
180-110867-2	GWC-4	Total Recoverable	Water	EPA 6020B	331427
180-110867-3	GWC-6	Total Recoverable	Water	EPA 6020B	331427
180-110867-4	GWC-7	Total Recoverable	Water	EPA 6020B	331484
180-110867-5	GWC-11	Total Recoverable	Water	EPA 6020B	331484
180-110867-6	GWC-12	Total Recoverable	Water	EPA 6020B	331484
180-110867-7	GWC-13	Total Recoverable	Water	EPA 6020B	331484
180-110867-8	GWC-20	Total Recoverable	Water	EPA 6020B	331484
180-110867-9	FB (LF)	Total Recoverable	Water	EPA 6020B	331484
180-110867-10	EB (LF)	Total Recoverable	Water	EPA 6020B	331484

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Metals (Continued)

### Analysis Batch: 332374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-331425/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331425
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331427
MB 180-331484/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331484
LCS 180-331425/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331425
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331427
LCS 180-331484/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331484
180-110809-4 MS	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110809-4 MSD	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	331427
180-110867-10 MS	EB (LF)	Total Recoverable	Water	EPA 6020B	331484
180-110867-10 MSD	EB (LF)	Total Recoverable	Water	EPA 6020B	331484

### Analysis Batch: 332551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total Recoverable	Water	EPA 6020B	331425
180-110809-2	GWA-16	Total Recoverable	Water	EPA 6020B	331425
180-110809-3	GWA-17	Total Recoverable	Water	EPA 6020B	331425
180-110809-4	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110809-5	GWC-2	Total Recoverable	Water	EPA 6020B	331425
180-110809-6	GWC-5	Total Recoverable	Water	EPA 6020B	331425
180-110809-7	GWC-8A	Total Recoverable	Water	EPA 6020B	331425
180-110809-8	GWC-9	Total Recoverable	Water	EPA 6020B	331425
180-110809-9	GWC-10	Total Recoverable	Water	EPA 6020B	331425
180-110809-10	GWC-14	Total Recoverable	Water	EPA 6020B	331425
180-110809-11	GWC-18	Total Recoverable	Water	EPA 6020B	331425
180-110809-12	GWC-19	Total Recoverable	Water	EPA 6020B	331425
180-110809-13	FD (LF)	Total Recoverable	Water	EPA 6020B	331425
180-110867-1	GWC-3	Total Recoverable	Water	EPA 6020B	331427
180-110867-2	GWC-4	Total Recoverable	Water	EPA 6020B	331427
180-110867-3	GWC-6	Total Recoverable	Water	EPA 6020B	331427
180-110867-4	GWC-7	Total Recoverable	Water	EPA 6020B	331484
180-110867-5	GWC-11	Total Recoverable	Water	EPA 6020B	331484
180-110867-6	GWC-12	Total Recoverable	Water	EPA 6020B	331484
180-110867-7	GWC-13	Total Recoverable	Water	EPA 6020B	331484
180-110867-8	GWC-20	Total Recoverable	Water	EPA 6020B	331484
180-110867-9	FB (LF)	Total Recoverable	Water	EPA 6020B	331484
180-110867-10	EB (LF)	Total Recoverable	Water	EPA 6020B	331484
MB 180-331425/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331425
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331427
MB 180-331484/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331484
LCS 180-331425/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331425
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331427
LCS 180-331484/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331484
180-110809-4 MS	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110809-4 MSD	GWC-1	Total Recoverable	Water	EPA 6020B	331425
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	331427
180-110867-10 MS	EB (LF)	Total Recoverable	Water	EPA 6020B	331484
180-110867-10 MSD	EB (LF)	Total Recoverable	Water	EPA 6020B	331484

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## General Chemistry

### Analysis Batch: 329688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total/NA	Water	SM 2540C	
180-110809-2	GWA-16	Total/NA	Water	SM 2540C	
180-110809-3	GWA-17	Total/NA	Water	SM 2540C	
180-110809-4	GWC-1	Total/NA	Water	SM 2540C	
180-110809-5	GWC-2	Total/NA	Water	SM 2540C	
180-110809-6	GWC-5	Total/NA	Water	SM 2540C	
180-110809-7	GWC-8A	Total/NA	Water	SM 2540C	
MB 180-329688/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-329688/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110785-C-5 DU	Duplicate	Total/NA	Water	SM 2540C	
180-110788-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 329702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-8	GWC-9	Total/NA	Water	SM 2540C	
180-110809-9	GWC-10	Total/NA	Water	SM 2540C	
180-110809-10	GWC-14	Total/NA	Water	SM 2540C	
180-110809-11	GWC-18	Total/NA	Water	SM 2540C	
180-110809-12	GWC-19	Total/NA	Water	SM 2540C	
180-110809-13	FD (LF)	Total/NA	Water	SM 2540C	
MB 180-329702/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-329702/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110812-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 329956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110867-1	GWC-3	Total/NA	Water	SM 2540C	
MB 180-329956/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-329956/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110866-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 330126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110867-2	GWC-4	Total/NA	Water	SM 2540C	
180-110867-3	GWC-6	Total/NA	Water	SM 2540C	
180-110867-4	GWC-7	Total/NA	Water	SM 2540C	
180-110867-5	GWC-11	Total/NA	Water	SM 2540C	
180-110867-6	GWC-12	Total/NA	Water	SM 2540C	
180-110867-7	GWC-13	Total/NA	Water	SM 2540C	
180-110867-8	GWC-20	Total/NA	Water	SM 2540C	
180-110867-9	FB (LF)	Total/NA	Water	SM 2540C	
180-110867-10	EB (LF)	Total/NA	Water	SM 2540C	
MB 180-330126/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-330126/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110916-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	
180-110920-A-3 DU	Duplicate	Total/NA	Water	SM 2540C	

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 1

Job ID: 180-110809-1

## Field Service / Mobile Lab

### Analysis Batch: 329598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110809-1	GWA-15	Total/NA	Water	Field Sampling	
180-110809-2	GWA-16	Total/NA	Water	Field Sampling	
180-110809-3	GWA-17	Total/NA	Water	Field Sampling	
180-110809-4	GWC-1	Total/NA	Water	Field Sampling	
180-110809-5	GWC-2	Total/NA	Water	Field Sampling	
180-110809-6	GWC-5	Total/NA	Water	Field Sampling	
180-110809-7	GWC-8A	Total/NA	Water	Field Sampling	
180-110809-8	GWC-9	Total/NA	Water	Field Sampling	
180-110809-9	GWC-10	Total/NA	Water	Field Sampling	
180-110809-10	GWC-14	Total/NA	Water	Field Sampling	
180-110809-11	GWC-18	Total/NA	Water	Field Sampling	
180-110809-12	GWC-19	Total/NA	Water	Field Sampling	
180-110867-1	GWC-3	Total/NA	Water	Field Sampling	
180-110867-2	GWC-4	Total/NA	Water	Field Sampling	
180-110867-3	GWC-6	Total/NA	Water	Field Sampling	
180-110867-4	GWC-7	Total/NA	Water	Field Sampling	
180-110867-5	GWC-11	Total/NA	Water	Field Sampling	
180-110867-6	GWC-12	Total/NA	Water	Field Sampling	
180-110867-7	GWC-13	Total/NA	Water	Field Sampling	
180-110867-8	GWC-20	Total/NA	Water	Field Sampling	

Regulatory Program:  Air  Soil  Water  Sediment

Client Contact: **John Abraham**  
Southern Company  
241 Ralph McGill Blvd SE, B201185  
Atlanta, GA 30308  
j.abraham@southernco.com  
Project Name: Plant Scherer Cell 1  
Site: Georgia  
P.O.# 1801994

Project Manager: Dawn Pevel  
Tel/Fax: 348-834-8448  
Analytical Turnaround Time:  
 2 weeks  
 3 weeks  
 4 weeks  
 5 weeks

Site Contact: Kevin Minkers  
Lab Contact: Veronica Bostea  
Date: 9/9/2020  
Canton:

Sample Identification	Sample Code	Sample Time	Sample Type (Color, Index)	Matrix	# of Containers	Analysis		Sample Specific Notes
						Method	Lot	
GWA-15	990000	11:40	G	Water	2	X	X	pH = 8.21
GWA-16	990000	13:05	G	Water	2	X	X	pH = 8.33
GWA-17	990000	14:19	G	Water	2	X	X	pH = 8.08
GWC-1	990000	13:05	G	Water	2	X	X	pH = 8.37
GWC-2	990000	13:15	G	Water	2	X	X	pH = 8.48
GWC-3	990000	10:38	G	Water	2	X	X	pH = 8.08
GWC-4	990000	10:25	G	Water	2	X	X	pH = 8.30
GWC-5	990000	13:40	G	Water	2	X	X	pH = 8.80
GWC-6	990000	12:40	G	Water	2	X	X	pH = 8.40
GWC-7	990000	10:25	G	Water	2	X	X	pH = 8.08
GWC-8	990000	15:00	G	Water	2	X	X	pH = 8.30
GWC-9	990000	16:00	G	Water	2	X	X	pH = 8.27
FD (E.P.)	990000	-	G	Water	2	X	X	



Preservation (Cool):  Ice,  Dry Ice,  HCl,  HNO<sub>3</sub>,  H<sub>2</sub>O<sub>2</sub>,  Other

Available 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 samples.

Incomplete  Receipt  Site Label  Special Instructions/OC Requirements & Comments

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

Control Chain Intact:  Yes  No  
 Collected by: *John Abraham*  
 Analyzed by: *John Abraham* 09:00  
 Company: *Southern Company*  
 Custody Seal No.:  
 Company: *Southern Company*  
 Cooler Temp (°C): *10*  
 Date: *9/9/20*  
 Time: *16:00*  
 Courier Name: *PTA*  
 Date: *9/11/20*  
 Time: *9:10*





## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-110809-1

**Login Number: 110809**

**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: 180-110809-1

**Login Number: 110867**

**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: 180-110866-1  
Client Project/Site: Plant Scherer PAC Ash

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

Attn: Joju Abraham



Authorized for release by:  
10/15/2020 7:51:59 AM

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

### LINKS

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Expert**

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

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

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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**Job ID: 180-110866-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative  
180-110866-1**

**Receipt**

The samples were received on 9/12/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.9° 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**

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

- 1
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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## 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	10-12-20
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	10-12-20
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	10-12-20
Kansas	NELAP	E-10350	10-12-20
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	10-12-20
Louisiana	NELAP	04041	10-12-20
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	10-12-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	10-12-20
New Jersey	NELAP	PA005	10-12-20
New York	NELAP	11182	10-12-20
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	10-12-20
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	10-12-20
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	10-12-20
West Virginia DEP	State	142	02-01-21
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

Job ID: 180-110866-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-110866-1	GWA-21	Water	09/10/20 16:05	09/12/20 09:30	
180-110866-2	GWC-29	Water	09/10/20 15:40	09/12/20 09:30	
180-110866-3	GWA-49	Water	09/10/20 14:48	09/12/20 09:30	
180-110866-4	FD (PA)	Water	09/10/20 00:00	09/12/20 09:30	
180-110866-5	GWA-22	Water	09/10/20 14:07	09/12/20 09:30	
180-110866-6	GWC-50	Water	09/10/20 16:40	09/12/20 09:30	
180-110866-7	GWA-45	Water	09/11/20 09:20	09/12/20 09:30	
180-110866-8	GWA-46	Water	09/11/20 09:35	09/12/20 09:30	
180-110866-9	GWA-47	Water	09/11/20 10:25	09/12/20 09:30	
180-110866-10	GWA-48	Water	09/11/20 09:12	09/12/20 09:30	
180-110866-11	GWC-51	Water	09/11/20 10:30	09/12/20 09:30	
180-110866-12	GWC-52	Water	09/11/20 09:55	09/12/20 09:30	
180-110866-13	GWC-53	Water	09/11/20 10:35	09/12/20 09:30	
180-110866-14	FB (PA)	Water	09/11/20 09:35	09/12/20 09:30	
180-110866-15	EB (PA)	Water	09/11/20 10:45	09/12/20 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

Job ID: 180-110866-1

**Client Sample ID: GWA-21**  
**Date Collected: 09/10/20 16:05**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-1**  
**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			330681	09/23/20 00:32	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:00	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 16:56	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 11:58	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 21:17	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 16:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-29**  
**Date Collected: 09/10/20 15:40**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-2**  
**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			330681	09/23/20 00:53	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:03	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 16:58	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 11:59	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/17/20 04:36	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 15:40	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-49**  
**Date Collected: 09/10/20 14:48**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-3**  
**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			330681	09/23/20 01:14	MJH	TAL PIT
Instrument ID: INTEGRION										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-49**  
**Date Collected: 09/10/20 14:48**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-3**  
**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	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:05	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:01	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:00	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/17/20 00:25	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 14:48	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FD (PA)**  
**Date Collected: 09/10/20 00:00**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-4**  
**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			330681	09/23/20 01:35	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:08	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:04	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:01	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/17/20 03:33	GRB	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-22**  
**Date Collected: 09/10/20 14:07**  
**Date Received: 09/12/20 09:30**

**Lab Sample ID: 180-110866-5**  
**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			330681	09/23/20 01:56	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:10	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:06	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-110866-5**

**Date Collected: 09/10/20 14:07**

**Matrix: Water**

**Date Received: 09/12/20 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	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:04	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329956	09/16/20 11:02	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 14:07	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-50**

**Lab Sample ID: 180-110866-6**

**Date Collected: 09/10/20 16:40**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/23/20 02:16	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:13	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:14	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:05	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 18:09	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/10/20 16:40	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-110866-7**

**Date Collected: 09/11/20 09:20**

**Matrix: Water**

**Date Received: 09/12/20 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			330681	09/23/20 02:37	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:16	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:16	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:06	KEM	TAL PIT
Instrument ID: HGZ										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Client Sample ID: GWA-45

## Lab Sample ID: 180-110866-7

Date Collected: 09/11/20 09:20

Matrix: Water

Date Received: 09/12/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/17/20 01:28	GRB	TAL PIT
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 09:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-46

## Lab Sample ID: 180-110866-8

Date Collected: 09/11/20 09:35

Matrix: Water

Date Received: 09/12/20 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			330680	09/22/20 19:20	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:18	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:19	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:07	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329956	09/16/20 11:02	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 09:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-47

## Lab Sample ID: 180-110866-9

Date Collected: 09/11/20 10:25

Matrix: Water

Date Received: 09/12/20 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			330680	09/22/20 20:09	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:21	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:22	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:08	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 22:20	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 10:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-110866-10**

**Date Collected: 09/11/20 09:12**

**Matrix: Water**

**Date Received: 09/12/20 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			330680	09/22/20 20:25	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:24	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:24	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:09	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 23:22	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 09:12	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-110866-11**

**Date Collected: 09/11/20 10:30**

**Matrix: Water**

**Date Received: 09/12/20 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			330680	09/22/20 20:41	MJH	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:31	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:27	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:10	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 19:12	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 10:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-110866-12**

**Date Collected: 09/11/20 09:55**

**Matrix: Water**

**Date Received: 09/12/20 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			330867	09/23/20 09:44	EPS	TAL PIT
Instrument ID: INTEGRION										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-110866-12**

**Date Collected: 09/11/20 09:55**

**Matrix: Water**

**Date Received: 09/12/20 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	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:34	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:29	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:11	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/17/20 06:41	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 09:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-110866-13**

**Date Collected: 09/11/20 10:35**

**Matrix: Water**

**Date Received: 09/12/20 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			330867	09/23/20 10:47	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:37	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:32	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:12	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 13:59	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			329598	09/11/20 10:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB (PA)**

**Lab Sample ID: 180-110866-14**

**Date Collected: 09/11/20 09:35**

**Matrix: Water**

**Date Received: 09/12/20 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			330867	09/23/20 11:08	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:39	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Client Sample ID: FB (PA)

Date Collected: 09/11/20 09:35

Date Received: 09/12/20 09:30

## Lab Sample ID: 180-110866-14

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	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:35	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:13	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 16:04	GRB	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB (PA)

Date Collected: 09/11/20 10:45

Date Received: 09/12/20 09:30

## Lab Sample ID: 180-110866-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			330681	09/22/20 18:16	MJH	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332374	10/05/20 16:42	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	331427	09/27/20 14:18	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332551	10/06/20 17:37	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331231	09/25/20 07:38	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331517	09/28/20 12:16	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	329964	09/16/20 17:07	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

KHM = Kyle Mucroski

MM1 = Mary Beth Miller

Batch Type: Analysis

AVS = Abbey Smith

EPS = Evan Scheuer

FDS = Sampler Field

GRB = Gabriel Berghe

KEM = Kimberly Mahoney

MJH = Matthew Hartman

RJR = Ron Rosenbaum

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-110866-1**

Date Collected: 09/10/20 16:05

Matrix: Water

Date Received: 09/12/20 09:30

### 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	0.32	mg/L			09/23/20 00:32	1
Fluoride	0.044	J	0.10	0.026	mg/L			09/23/20 00:32	1
Sulfate	1.3		1.0	0.38	mg/L			09/23/20 00:32	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		09/27/20 14:18	10/05/20 16:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:00	1
Barium	0.023		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:00	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:00	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:00	1
Calcium	8.2		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:00	1
Chromium	0.0019	J	0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:00	1
Cobalt	0.00019	J	0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:00	1
Copper	0.0023		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:00	1
Lead	0.0022		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:00	1
Nickel	0.00095	J	0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 16:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 16:56	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:00	1
Vanadium	0.0027		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:00	1
Zinc	0.0048	J	0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:00	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		09/25/20 07:38	09/28/20 11:58	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			09/16/20 21:17	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.83				SU			09/10/20 16:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-29**

**Lab Sample ID: 180-110866-2**

Date Collected: 09/10/20 15:40

Matrix: Water

Date Received: 09/12/20 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	0.32	mg/L			09/23/20 00:53	1
Fluoride	0.040	J	0.10	0.026	mg/L			09/23/20 00:53	1
Sulfate	2.7		1.0	0.38	mg/L			09/23/20 00:53	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		09/27/20 14:18	10/05/20 16:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:03	1
Barium	0.020		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:03	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:03	1
Calcium	15		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:03	1
Nickel	0.0035		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 16:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 16:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:03	1
Vanadium	0.0049		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 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		09/25/20 07:38	09/28/20 11:59	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			09/17/20 04:36	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.09				SU			09/10/20 15:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-110866-3**

Date Collected: 09/10/20 14:48

Matrix: Water

Date Received: 09/12/20 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	0.32	mg/L			09/23/20 01:14	1
Fluoride	0.036	J	0.10	0.026	mg/L			09/23/20 01:14	1
Sulfate	0.42	J	1.0	0.38	mg/L			09/23/20 01:14	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		09/27/20 14:18	10/05/20 16:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:05	1
Barium	0.020		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:05	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:05	1
Calcium	14		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:05	1
Chromium	0.0063		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:05	1
Cobalt	0.00020	J	0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:05	1
Nickel	0.00062	J	0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:05	1
Vanadium	0.018		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:05	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		09/25/20 07:38	09/28/20 12:00	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			09/17/20 00:25	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.91				SU			09/10/20 14:48	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: FD (PA)**

**Lab Sample ID: 180-110866-4**

Date Collected: 09/10/20 00:00

Matrix: Water

Date Received: 09/12/20 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	0.32	mg/L			09/23/20 01:35	1
Fluoride	0.035	J	0.10	0.026	mg/L			09/23/20 01:35	1
Sulfate	2.6		1.0	0.38	mg/L			09/23/20 01:35	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		09/27/20 14:18	10/05/20 16:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:08	1
Barium	0.019		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:08	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:08	1
Calcium	15		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:08	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:08	1
Nickel	0.0035		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:04	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:04	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:08	1
Vanadium	0.0047		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:01	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			09/17/20 03:33	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-110866-5**

Date Collected: 09/10/20 14:07

Matrix: Water

Date Received: 09/12/20 09:30

### 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	0.32	mg/L			09/23/20 01:56	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/23/20 01:56	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 01:56	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		09/27/20 14:18	10/05/20 16:10	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:10	1
Barium	0.022		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:10	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:10	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:10	1
Calcium	5.9		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:10	1
Chromium	0.0077		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:10	1
Cobalt	0.00014	J	0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:10	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:10	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:10	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:06	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:10	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:06	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:10	1
Vanadium	0.0025		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:10	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:10	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		09/25/20 07:38	09/28/20 12:04	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	56		10	10	mg/L			09/16/20 11:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.78				SU			09/10/20 14:07	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-50**

**Lab Sample ID: 180-110866-6**

Date Collected: 09/10/20 16:40

Matrix: Water

Date Received: 09/12/20 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>2.1</b>		1.0	0.32	mg/L			09/23/20 02:16	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 02:16	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 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		09/27/20 14:18	10/05/20 16:13	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:13	1
<b>Barium</b>	<b>0.013</b>		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:13	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:13	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:13	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:13	1
<b>Calcium</b>	<b>7.5</b>		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:13	1
<b>Chromium</b>	<b>0.0047</b>		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:13	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:13	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:13	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:13	1
<b>Nickel</b>	<b>0.0017</b>		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:13	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:13	1
<b>Vanadium</b>	<b>0.0026</b>		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:13	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>82</b>		10	10	mg/L			09/16/20 18:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.78</b>				SU			09/10/20 16:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-110866-7**

Date Collected: 09/11/20 09:20

Matrix: Water

Date Received: 09/12/20 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>12</b>		1.0	0.32	mg/L			09/23/20 02:37	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 02:37	1
<b>Sulfate</b>	<b>170</b>		1.0	0.38	mg/L			09/23/20 02:37	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		09/27/20 14:18	10/05/20 16:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Barium</b>	<b>0.15</b>		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Boron</b>	<b>1.0</b>		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Calcium</b>	<b>30</b>		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Cobalt</b>	<b>0.0035</b>		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Copper</b>	<b>0.0020</b>		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Lead</b>	<b>0.0016</b>		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Nickel</b>	<b>0.0010</b>		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Vanadium</b>	<b>0.0015</b>		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:16	1
<b>Zinc</b>	<b>0.0098</b>		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:06	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>340</b>		10	10	mg/L			09/17/20 01:28	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.98</b>				SU			09/11/20 09:20	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-110866-8**

Date Collected: 09/11/20 09:35

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.7		1.0	0.32	mg/L			09/22/20 19:20	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 19:20	1
Sulfate	0.99	J	1.0	0.38	mg/L			09/22/20 19:20	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		09/27/20 14:18	10/05/20 16:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:18	1
Barium	0.022		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:18	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:18	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:18	1
Calcium	5.5		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:18	1
Chromium	0.0042		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:18	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:18	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:18	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:18	1
Vanadium	0.0026		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:18	1
Zinc	0.0038	J	0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:18	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		09/25/20 07:38	09/28/20 12:07	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	51		10	10	mg/L			09/16/20 11:02	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.02				SU			09/11/20 09:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-110866-9**

Date Collected: 09/11/20 10:25

Matrix: Water

Date Received: 09/12/20 09:30

**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	0.32	mg/L			09/22/20 20:09	1
Fluoride	0.034	J	0.10	0.026	mg/L			09/22/20 20:09	1
Sulfate	0.39	J	1.0	0.38	mg/L			09/22/20 20:09	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		09/27/20 14:18	10/05/20 16:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:21	1
Barium	0.026		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:21	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:21	1
Calcium	11		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:21	1
Chromium	0.0081		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:21	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:21	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:21	1
Vanadium	0.0070		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:21	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		09/25/20 07:38	09/28/20 12:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			09/16/20 22:20	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			09/11/20 10:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-110866-10**

Date Collected: 09/11/20 09:12

Matrix: Water

Date Received: 09/12/20 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	0.32	mg/L			09/22/20 20:25	1
Fluoride	0.035	J	0.10	0.026	mg/L			09/22/20 20:25	1
Sulfate	1.3		1.0	0.38	mg/L			09/22/20 20:25	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		09/27/20 14:18	10/05/20 16:24	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:24	1
Barium	0.013		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:24	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:24	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:24	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:24	1
Calcium	12		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:24	1
Chromium	0.0053		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:24	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:24	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:24	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:24	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:24	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:24	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:24	1
Vanadium	0.017		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:24	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:09	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			09/16/20 23:22	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.76				SU			09/11/20 09:12	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-110866-11**

Date Collected: 09/11/20 10:30

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.7		1.0	0.32	mg/L			09/22/20 20:41	1
Fluoride	0.049	J	0.10	0.026	mg/L			09/22/20 20:41	1
Sulfate	2.6		1.0	0.38	mg/L			09/22/20 20:41	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		09/27/20 14:18	10/05/20 16:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:31	1
Barium	0.010		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:31	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:31	1
Calcium	7.0		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:31	1
Chromium	0.0041		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:31	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:31	1
Copper	0.0013	J	0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:31	1
Lead	0.0015		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:31	1
Nickel	0.0020		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:31	1
Vanadium	0.0042		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:31	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		09/25/20 07:38	09/28/20 12:10	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	87		10	10	mg/L			09/16/20 19:12	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.84				SU			09/11/20 10:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-110866-12**

Date Collected: 09/11/20 09:55

Matrix: Water

Date Received: 09/12/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.9		1.0	0.32	mg/L			09/23/20 09:44	1
Fluoride	0.041	J	0.10	0.026	mg/L			09/23/20 09:44	1
Sulfate	39		1.0	0.38	mg/L			09/23/20 09:44	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		09/27/20 14:18	10/05/20 16:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:34	1
Barium	0.017		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:34	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:34	1
Calcium	18		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:34	1
Chromium	0.028		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:34	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:34	1
Vanadium	0.0099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:11	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	170		10	10	mg/L			09/17/20 06:41	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.64				SU			09/11/20 09:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-110866-13**

Date Collected: 09/11/20 10:35

Matrix: Water

Date Received: 09/12/20 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>12</b>		1.0	0.32	mg/L			09/23/20 10:47	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 10:47	1
<b>Sulfate</b>	<b>160</b>		1.0	0.38	mg/L			09/23/20 10:47	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		09/27/20 14:18	10/05/20 16:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Barium</b>	<b>0.044</b>		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Boron</b>	<b>0.97</b>		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Chromium</b>	<b>0.0023</b>		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Cobalt</b>	<b>0.0020 J</b>		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Nickel</b>	<b>0.0074</b>		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:37	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:37	1
<b>Zinc</b>	<b>0.014</b>		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:12	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>290</b>		10	10	mg/L			09/16/20 13:59	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.69</b>				SU			09/11/20 10:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: FB (PA)**

**Lab Sample ID: 180-110866-14**

**Date Collected: 09/11/20 09:35**

**Matrix: Water**

**Date Received: 09/12/20 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/23/20 11:08	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 11:08	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 11:08	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		09/27/20 14:18	10/05/20 16:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:39	1
Barium	<0.0016		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:39	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:39	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:39	1
Calcium	<0.13		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:39	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:39	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:39	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:39	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:39	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 12:13	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/16/20 16:04	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

**Client Sample ID: EB (PA)**

**Lab Sample ID: 180-110866-15**

**Date Collected: 09/11/20 10:45**

**Matrix: Water**

**Date Received: 09/12/20 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/22/20 18:16	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 18:16	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 18:16	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		09/27/20 14:18	10/05/20 16:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 16:42	1
Barium	<0.0016		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 16:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 16:42	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 16:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 16:42	1
Calcium	<0.13		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 16:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 16:42	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 16:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 16:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 16:42	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 17:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 16:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 17:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 16:42	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 16:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 16:42	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		09/25/20 07:38	09/28/20 12:16	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/16/20 17:07	1



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

**Lab Sample ID: MB 180-330680/46**  
**Matrix: Water**  
**Analysis Batch: 330680**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/22/20 19:03	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 19:03	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 19:03	1

**Lab Sample ID: LCS 180-330680/45**  
**Matrix: Water**  
**Analysis Batch: 330680**

**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	47.5		mg/L		95	90 - 110
Fluoride	2.50	2.44		mg/L		97	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

**Lab Sample ID: 180-110866-8 MS**  
**Matrix: Water**  
**Analysis Batch: 330680**

**Client Sample ID: GWA-46**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.7		50.0	51.0		mg/L		92	90 - 110
Fluoride	<0.026		2.50	2.35		mg/L		94	90 - 110
Sulfate	0.99	J	50.0	47.1		mg/L		92	90 - 110

**Lab Sample ID: 180-110866-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 330680**

**Client Sample ID: GWA-46**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.7		50.0	50.7		mg/L		92	90 - 110	1	20
Fluoride	<0.026		2.50	2.33		mg/L		93	90 - 110	1	20
Sulfate	0.99	J	50.0	46.8		mg/L		92	90 - 110	1	20

**Lab Sample ID: MB 180-330681/37**  
**Matrix: Water**  
**Analysis Batch: 330681**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/22/20 17:55	1
Fluoride	<0.026		0.10	0.026	mg/L			09/22/20 17:55	1
Sulfate	<0.38		1.0	0.38	mg/L			09/22/20 17:55	1

**Lab Sample ID: LCS 180-330681/36**  
**Matrix: Water**  
**Analysis Batch: 330681**

**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	50.7		mg/L		101	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

**Lab Sample ID: 180-110867-A-8 MS**

**Matrix: Water**  
**Analysis Batch: 330681**

**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	2.1		50.0	52.4		mg/L		100	90 - 110
Fluoride	0.051	J	2.50	2.55		mg/L		100	90 - 110
Sulfate	<0.38		50.0	50.1		mg/L		100	90 - 110

**Lab Sample ID: 180-110867-A-8 MSD**

**Matrix: Water**  
**Analysis Batch: 330681**

**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	2.1		50.0	52.0		mg/L		100	90 - 110	1	20
Fluoride	0.051	J	2.50	2.53		mg/L		99	90 - 110	1	20
Sulfate	<0.38		50.0	49.7		mg/L		99	90 - 110	1	20

**Lab Sample ID: MB 180-330867/6**

**Matrix: Water**  
**Analysis Batch: 330867**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/23/20 06:57	1
Fluoride	<0.026		0.10	0.026	mg/L			09/23/20 06:57	1
Sulfate	<0.38		1.0	0.38	mg/L			09/23/20 06:57	1

**Lab Sample ID: LCS 180-330867/5**

**Matrix: Water**  
**Analysis Batch: 330867**

**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	50.9		mg/L		102	90 - 110
Fluoride	2.50	2.47		mg/L		99	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

**Lab Sample ID: 180-111238-B-12 MS**

**Matrix: Water**  
**Analysis Batch: 330867**

**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	31		50.0	78.7		mg/L		95	90 - 110
Fluoride	0.59		2.50	3.00		mg/L		96	90 - 110
Sulfate	96	F1	50.0	141		mg/L		90	90 - 110

**Lab Sample ID: 180-111238-B-12 MSD**

**Matrix: Water**  
**Analysis Batch: 330867**

**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	31		50.0	77.8		mg/L		93	90 - 110	1	20
Fluoride	0.59		2.50	2.99		mg/L		96	90 - 110	1	20
Sulfate	96	F1	50.0	139	F1	mg/L		87	90 - 110	1	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

**Lab Sample ID: MB 180-331427/1-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		09/27/20 14:18	10/05/20 15:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/27/20 14:18	10/05/20 15:34	1
Barium	<0.0016		0.010	0.0016	mg/L		09/27/20 14:18	10/05/20 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/27/20 14:18	10/05/20 15:34	1
Boron	<0.039		0.080	0.039	mg/L		09/27/20 14:18	10/05/20 15:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/27/20 14:18	10/05/20 15:34	1
Calcium	<0.13		0.50	0.13	mg/L		09/27/20 14:18	10/05/20 15:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/27/20 14:18	10/05/20 15:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/27/20 14:18	10/05/20 15:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/27/20 14:18	10/05/20 15:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/27/20 14:18	10/05/20 15:34	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/27/20 14:18	10/05/20 15:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/27/20 14:18	10/05/20 15:34	1

**Lab Sample ID: MB 180-331427/1-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nickel	<0.00034		0.0010	0.00034	mg/L		09/27/20 14:18	10/06/20 16:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/27/20 14:18	10/06/20 16:31	1

**Lab Sample ID: LCS 180-331427/2-A**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.957		mg/L		96	80 - 120
Barium	1.00	0.995		mg/L		100	80 - 120
Beryllium	0.500	0.471		mg/L		94	80 - 120
Boron	1.25	1.19		mg/L		95	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	26.3		mg/L		105	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.473		mg/L		95	80 - 120
Copper	0.500	0.485		mg/L		97	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Selenium	1.00	0.999		mg/L		100	80 - 120
Thallium	1.00	0.966		mg/L		97	80 - 120
Vanadium	0.500	0.500		mg/L		100	80 - 120
Zinc	0.250	0.260		mg/L		104	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

**Lab Sample ID: LCS 180-331427/2-A**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Nickel	0.500	0.494		mg/L		99	80 - 120
Silver	0.250	0.244		mg/L		97	80 - 120

**Lab Sample ID: 180-110860-B-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	0.00064	J	0.250	0.285		mg/L		114	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.0041	J	1.00	1.06		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.497		mg/L		99	75 - 125
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.530		mg/L		106	75 - 125
Calcium	4.6		25.0	31.6		mg/L		108	75 - 125
Chromium	<0.0015		0.500	0.516		mg/L		103	75 - 125
Cobalt	<0.00013		0.500	0.503		mg/L		101	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.534		mg/L		107	75 - 125
Selenium	<0.0015		1.00	1.05		mg/L		105	75 - 125
Thallium	0.00022	J	1.00	1.04		mg/L		104	75 - 125
Vanadium	<0.00099		0.500	0.515		mg/L		103	75 - 125
Zinc	0.0036	J	0.250	0.273		mg/L		108	75 - 125

**Lab Sample ID: 180-110860-B-13-B MS**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Nickel	0.00037	J	0.500	0.513		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.259		mg/L		104	75 - 125

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.00064	J	0.250	0.275		mg/L		110	75 - 125	4	20
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125	0	20
Barium	0.0041	J	1.00	1.03		mg/L		103	75 - 125	3	20
Beryllium	<0.00018		0.500	0.485		mg/L		97	75 - 125	3	20
Boron	<0.039		1.25	1.26		mg/L		100	75 - 125	3	20
Cadmium	<0.00022		0.500	0.517		mg/L		103	75 - 125	2	20
Calcium	4.6		25.0	31.4		mg/L		107	75 - 125	1	20
Chromium	<0.0015		0.500	0.503		mg/L		101	75 - 125	3	20
Cobalt	<0.00013		0.500	0.501		mg/L		100	75 - 125	0	20
Copper	<0.00063		0.500	0.495		mg/L		99	75 - 125	2	20
Lead	<0.00013		0.500	0.517		mg/L		103	75 - 125	3	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

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

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332374**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.00022	J	1.00	1.01		mg/L		101	75 - 125	3	20
Vanadium	<0.00099		0.500	0.507		mg/L		101	75 - 125	2	20
Zinc	0.0036	J	0.250	0.267		mg/L		105	75 - 125	2	20

**Lab Sample ID: 180-110860-B-13-C MSD**  
**Matrix: Water**  
**Analysis Batch: 332551**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331427**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.00037	J	0.500	0.503		mg/L		101	75 - 125	2	20
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125	3	20

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

**Lab Sample ID: MB 180-331231/1-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/25/20 07:38	09/28/20 11:54	1

**Lab Sample ID: LCS 180-331231/2-A**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00266		mg/L		106	80 - 120

**Lab Sample ID: 180-110809-B-9-B MS**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00103		mg/L		103	75 - 125

**Lab Sample ID: 180-110809-B-9-C MSD**  
**Matrix: Water**  
**Analysis Batch: 331517**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00104		mg/L		104	75 - 125	1	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-329956/2**  
**Matrix: Water**  
**Analysis Batch: 329956**

**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			09/16/20 11:02	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 180-329956/1**  
**Matrix: Water**  
**Analysis Batch: 329956**

**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	632	648		mg/L		103	80 - 120

**Lab Sample ID: 180-110866-5 DU**  
**Matrix: Water**  
**Analysis Batch: 329956**

**Client Sample ID: GWA-22**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	56		54.0		mg/L		4	10

**Lab Sample ID: MB 180-329964/2**  
**Matrix: Water**  
**Analysis Batch: 329964**

**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			09/16/20 12:56	1

**Lab Sample ID: LCS 180-329964/1**  
**Matrix: Water**  
**Analysis Batch: 329964**

**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	632	652		mg/L		103	80 - 120

**Lab Sample ID: 180-110866-7 DU**  
**Matrix: Water**  
**Analysis Batch: 329964**

**Client Sample ID: GWA-45**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	340		341		mg/L		0.9	10

**Lab Sample ID: 180-110866-13 DU**  
**Matrix: Water**  
**Analysis Batch: 329964**

**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	290		291		mg/L		0.7	10

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## HPLC/IC

### Analysis Batch: 330680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-8	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-110866-9	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-110866-10	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-110866-11	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
MB 180-330680/46	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-330680/45	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-110866-8 MS	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-110866-8 MSD	GWA-46	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 330681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-110866-2	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-110866-3	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-110866-4	FD (PA)	Total/NA	Water	EPA 300.0 R2.1	
180-110866-5	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-110866-6	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-110866-7	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-110866-15	EB (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-330681/37	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-330681/36	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-110867-A-8 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-110867-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 330867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-12	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-110866-13	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-110866-14	FB (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-330867/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-330867/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-111238-B-12 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-111238-B-12 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 331231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total/NA	Water	7470A	
180-110866-2	GWC-29	Total/NA	Water	7470A	
180-110866-3	GWA-49	Total/NA	Water	7470A	
180-110866-4	FD (PA)	Total/NA	Water	7470A	
180-110866-5	GWA-22	Total/NA	Water	7470A	
180-110866-6	GWC-50	Total/NA	Water	7470A	
180-110866-7	GWA-45	Total/NA	Water	7470A	
180-110866-8	GWA-46	Total/NA	Water	7470A	
180-110866-9	GWA-47	Total/NA	Water	7470A	
180-110866-10	GWA-48	Total/NA	Water	7470A	
180-110866-11	GWC-51	Total/NA	Water	7470A	
180-110866-12	GWC-52	Total/NA	Water	7470A	
180-110866-13	GWC-53	Total/NA	Water	7470A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Metals (Continued)

### Prep Batch: 331231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-14	FB (PA)	Total/NA	Water	7470A	
180-110866-15	EB (PA)	Total/NA	Water	7470A	
MB 180-331231/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331231/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110809-B-9-B MS	Matrix Spike	Total/NA	Water	7470A	
180-110809-B-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 331427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total Recoverable	Water	3005A	
180-110866-2	GWC-29	Total Recoverable	Water	3005A	
180-110866-3	GWA-49	Total Recoverable	Water	3005A	
180-110866-4	FD (PA)	Total Recoverable	Water	3005A	
180-110866-5	GWA-22	Total Recoverable	Water	3005A	
180-110866-6	GWC-50	Total Recoverable	Water	3005A	
180-110866-7	GWA-45	Total Recoverable	Water	3005A	
180-110866-8	GWA-46	Total Recoverable	Water	3005A	
180-110866-9	GWA-47	Total Recoverable	Water	3005A	
180-110866-10	GWA-48	Total Recoverable	Water	3005A	
180-110866-11	GWC-51	Total Recoverable	Water	3005A	
180-110866-12	GWC-52	Total Recoverable	Water	3005A	
180-110866-13	GWC-53	Total Recoverable	Water	3005A	
180-110866-14	FB (PA)	Total Recoverable	Water	3005A	
180-110866-15	EB (PA)	Total Recoverable	Water	3005A	
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 331517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total/NA	Water	EPA 7470A	331231
180-110866-2	GWC-29	Total/NA	Water	EPA 7470A	331231
180-110866-3	GWA-49	Total/NA	Water	EPA 7470A	331231
180-110866-4	FD (PA)	Total/NA	Water	EPA 7470A	331231
180-110866-5	GWA-22	Total/NA	Water	EPA 7470A	331231
180-110866-6	GWC-50	Total/NA	Water	EPA 7470A	331231
180-110866-7	GWA-45	Total/NA	Water	EPA 7470A	331231
180-110866-8	GWA-46	Total/NA	Water	EPA 7470A	331231
180-110866-9	GWA-47	Total/NA	Water	EPA 7470A	331231
180-110866-10	GWA-48	Total/NA	Water	EPA 7470A	331231
180-110866-11	GWC-51	Total/NA	Water	EPA 7470A	331231
180-110866-12	GWC-52	Total/NA	Water	EPA 7470A	331231
180-110866-13	GWC-53	Total/NA	Water	EPA 7470A	331231
180-110866-14	FB (PA)	Total/NA	Water	EPA 7470A	331231
180-110866-15	EB (PA)	Total/NA	Water	EPA 7470A	331231
MB 180-331231/1-A	Method Blank	Total/NA	Water	EPA 7470A	331231
LCS 180-331231/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331231
180-110809-B-9-B MS	Matrix Spike	Total/NA	Water	EPA 7470A	331231
180-110809-B-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331231

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## Metals

### Analysis Batch: 332374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total Recoverable	Water	EPA 6020B	331427
180-110866-2	GWC-29	Total Recoverable	Water	EPA 6020B	331427
180-110866-3	GWA-49	Total Recoverable	Water	EPA 6020B	331427
180-110866-4	FD (PA)	Total Recoverable	Water	EPA 6020B	331427
180-110866-5	GWA-22	Total Recoverable	Water	EPA 6020B	331427
180-110866-6	GWC-50	Total Recoverable	Water	EPA 6020B	331427
180-110866-7	GWA-45	Total Recoverable	Water	EPA 6020B	331427
180-110866-8	GWA-46	Total Recoverable	Water	EPA 6020B	331427
180-110866-9	GWA-47	Total Recoverable	Water	EPA 6020B	331427
180-110866-10	GWA-48	Total Recoverable	Water	EPA 6020B	331427
180-110866-11	GWC-51	Total Recoverable	Water	EPA 6020B	331427
180-110866-12	GWC-52	Total Recoverable	Water	EPA 6020B	331427
180-110866-13	GWC-53	Total Recoverable	Water	EPA 6020B	331427
180-110866-14	FB (PA)	Total Recoverable	Water	EPA 6020B	331427
180-110866-15	EB (PA)	Total Recoverable	Water	EPA 6020B	331427
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331427
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	331427

### Analysis Batch: 332551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total Recoverable	Water	EPA 6020B	331427
180-110866-2	GWC-29	Total Recoverable	Water	EPA 6020B	331427
180-110866-3	GWA-49	Total Recoverable	Water	EPA 6020B	331427
180-110866-4	FD (PA)	Total Recoverable	Water	EPA 6020B	331427
180-110866-5	GWA-22	Total Recoverable	Water	EPA 6020B	331427
180-110866-6	GWC-50	Total Recoverable	Water	EPA 6020B	331427
180-110866-7	GWA-45	Total Recoverable	Water	EPA 6020B	331427
180-110866-8	GWA-46	Total Recoverable	Water	EPA 6020B	331427
180-110866-9	GWA-47	Total Recoverable	Water	EPA 6020B	331427
180-110866-10	GWA-48	Total Recoverable	Water	EPA 6020B	331427
180-110866-11	GWC-51	Total Recoverable	Water	EPA 6020B	331427
180-110866-12	GWC-52	Total Recoverable	Water	EPA 6020B	331427
180-110866-13	GWC-53	Total Recoverable	Water	EPA 6020B	331427
180-110866-14	FB (PA)	Total Recoverable	Water	EPA 6020B	331427
180-110866-15	EB (PA)	Total Recoverable	Water	EPA 6020B	331427
MB 180-331427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331427
LCS 180-331427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	331427
180-110860-B-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	331427

## General Chemistry

### Analysis Batch: 329956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-5	GWA-22	Total/NA	Water	SM 2540C	
180-110866-8	GWA-46	Total/NA	Water	SM 2540C	
MB 180-329956/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-329956/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110866-5 DU	GWA-22	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash

Job ID: 180-110866-1

## General Chemistry

### Analysis Batch: 329964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total/NA	Water	SM 2540C	
180-110866-2	GWC-29	Total/NA	Water	SM 2540C	
180-110866-3	GWA-49	Total/NA	Water	SM 2540C	
180-110866-4	FD (PA)	Total/NA	Water	SM 2540C	
180-110866-6	GWC-50	Total/NA	Water	SM 2540C	
180-110866-7	GWA-45	Total/NA	Water	SM 2540C	
180-110866-9	GWA-47	Total/NA	Water	SM 2540C	
180-110866-10	GWA-48	Total/NA	Water	SM 2540C	
180-110866-11	GWC-51	Total/NA	Water	SM 2540C	
180-110866-12	GWC-52	Total/NA	Water	SM 2540C	
180-110866-13	GWC-53	Total/NA	Water	SM 2540C	
180-110866-14	FB (PA)	Total/NA	Water	SM 2540C	
180-110866-15	EB (PA)	Total/NA	Water	SM 2540C	
MB 180-329964/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-329964/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-110866-7 DU	GWA-45	Total/NA	Water	SM 2540C	
180-110866-13 DU	GWC-53	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 329598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-110866-1	GWA-21	Total/NA	Water	Field Sampling	
180-110866-2	GWC-29	Total/NA	Water	Field Sampling	
180-110866-3	GWA-49	Total/NA	Water	Field Sampling	
180-110866-5	GWA-22	Total/NA	Water	Field Sampling	
180-110866-6	GWC-50	Total/NA	Water	Field Sampling	
180-110866-7	GWA-45	Total/NA	Water	Field Sampling	
180-110866-8	GWA-46	Total/NA	Water	Field Sampling	
180-110866-9	GWA-47	Total/NA	Water	Field Sampling	
180-110866-10	GWA-48	Total/NA	Water	Field Sampling	
180-110866-11	GWC-51	Total/NA	Water	Field Sampling	
180-110866-12	GWC-52	Total/NA	Water	Field Sampling	
180-110866-13	GWC-53	Total/NA	Water	Field Sampling	

Pittsburgh, PA 15206-2967  
phone 412-963-7068 fax 412-963-1668

Regulatory Program:  Air  Water  Soil  Other

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Dawn Pevl		Site Contact: Maria Minkala		Date: 9/11/2020	
Southern Company		Tel/Fax: 348-524-9445		Lab Contact: Veronica Borral		Canner:	
241 Blythe McCall Blvd SE, B50185		Analysis Turnaround Time		10/10/20		10/10/20	
Atlanta, GA 30308		<input type="checkbox"/> 2 weeks		10/10/20		10/10/20	
www.southerncompany.com		<input type="checkbox"/> 1 week		10/10/20		10/10/20	
Project Name: Plant Scheme PAC, Ash Cell		<input type="checkbox"/> 2 days		10/10/20		10/10/20	
Site: Georgia		<input type="checkbox"/> 1 day		10/10/20		10/10/20	
P-O-B 16019684		Sample Date		Sample Time		Sample Matrix	
		Sample Identification		Sample Type		# of Containers	
		GW-21	9/10/2020	10:05	G	Water	2
		GW-29	9/10/2020	15:40	G	Water	2
		GW-49	9/10/2020	14:46	G	Water	2
		FD (PA)	-	-	G	Water	2
		GW-42	9/10/2020	14:07	G	Water	2
		GW-50	9/10/2020	16:40	G	Water	2
		GW-45	9/11/2020	9:20	G	Water	2
		GW-46	9/11/2020	9:26	G	Water	2
		GW-47	9/11/2020	10:25	G	Water	2
		GW-48	9/11/2020	9:12	G	Water	2
		GW-51	9/11/2020	10:20	G	Water	2
		GW-52	9/11/2020	9:16	G	Water	2
		GW-53	9/11/2020	10:25	G	Water	2
		FB (PA)	9/11/2020	9:26	G	Water	2
		ED (PA)	9/11/2020	10:45	G	Water	2

Preservation Used:  In Ice,  HCl,  HNO3,  H2SO4,  H2O2,  H2O,  Other

Preclude Hazard Notifications:  Yes  No

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

Comments Section if the lab is to dispose of the sample.

Special Instructions, Requirements & Comments:

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

Subject to Client  Transfer to Lab  Incinerate  Reuse

Custody Seal No.  No  Yes

Company: GTN

Received by: [Signature] Date: 9/11/2020 Time: 15:38

Company: Millie Water Received by: [Signature] Date: 9/11/2020 Time: 15:38

Company: GTN Received by: [Signature] Date: 9/11/2020 Time: 15:38



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-110866-1

**Login Number: 110866**

**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: 180-111110-1  
Client Project/Site: Plant Scherer Surface Water  
Revision: 1

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

Attn: Joju Abraham



Authorized for release by:  
1/29/2021 8:35:29 AM

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

### LINKS

Review your project  
results through  
**Total Access**

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The  
Expert**

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[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



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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## Job ID: 180-111110-1

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Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

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#### Job Narrative 180-111110-1

#### Comments

012921 Revised report to add boron, calcium, sulfate and fluoride at client request. This report replaces the report previously issued on 101220.

#### Receipt

The samples were received on 9/17/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8° C, 3.2° C, 3.8° C and 4.0° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

#### Metals

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

#### Field Service / Mobile Lab

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

#### General Chemistry

Method SM 5310C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 180-331679. LCS/LCSD analyzed.

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

#### GC Semi VOA (data added 012821)

Method 300.0: The following samples had analytes added by the client 01/28/2021 with no unpreserved containers remaining. Sulfate, as one of the added anions, was under the reportable limits of the ICV. As this is the only available data, data are qualified and reported.

SWA-1 (180-111110-1), SWA-2 (180-111110-2), SWA-3 (180-111110-3), SWC-4 (180-111110-4), SWC-5 (180-111110-5), SWC-6 (180-111110-6), SWC-7 (180-111110-7), SWC-8 (180-111110-8), SWC-9 (180-111110-9), (180-111110-A-1 MS) and (180-111110-A-1 MSD)

Method 300.0: The client requested additional analytes 01/28/2021. The following sample was over calibration for Sulfate. As this is the only data available, the data are qualified and reported. SWA-2 (180-111110-2)

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: 180-111110-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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: 180-111110-1

## 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	10-12-20
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	10-12-20
Georgia	State	PA 02-00416	12-21-20
Illinois	NELAP	004375	10-12-20
Kansas	NELAP	E-10350	10-12-20
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	10-12-20
Louisiana	NELAP	04041	10-12-20
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	10-12-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	10-12-20
New Jersey	NELAP	PA005	10-12-20
New York	NELAP	11182	10-12-20
North Carolina (WW/SW)	State	434	11-01-20
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	12-21-20
Pennsylvania	NELAP	02-00416	10-12-20
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	11-23-20
Texas	NELAP	T104704528	10-12-20
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	12-21-20
Virginia	NELAP	10043	10-12-20
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-21

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## 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	02-23-21
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-21
Illinois	NELAP	004498	07-31-21
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	12-20-20
Oregon	NELAP	4062	02-24-21
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	01-12-21
West Virginia DEP	State	210	12-31-20

# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-111110-1	SWA-1	Water	09/15/20 08:50	09/17/20 09:30	
180-111110-2	SWA-2	Water	09/15/20 11:00	09/17/20 09:30	
180-111110-3	SWA-3	Water	09/15/20 10:35	09/17/20 09:30	
180-111110-4	SWC-4	Water	09/15/20 09:05	09/17/20 09:30	
180-111110-5	SWC-5	Water	09/15/20 09:20	09/17/20 09:30	
180-111110-6	SWC-6	Water	09/15/20 09:55	09/17/20 09:30	
180-111110-7	SWC-7	Water	09/15/20 09:45	09/17/20 09:30	
180-111110-8	SWC-8	Water	09/15/20 10:15	09/17/20 09:30	
180-111110-9	SWC-9	Water	09/15/20 11:40	09/17/20 09:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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
410.4-1993 R2.0	COD	MCAWW	TAL CAN
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
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 CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWA-1**

**Lab Sample ID: 180-111110-1**

**Date Collected: 09/15/20 08:50**

**Matrix: Water**

**Date Received: 09/17/20 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			331359	09/26/20 05:59	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332688	10/07/20 15:32	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331854	09/30/20 13:04	KEM	TAL PIT
Total/NA	Analysis	410.4-1993 R2.0 Instrument ID: ERNIE		1	2 mL	2 mL	452380	09/22/20 11:36	TPH	TAL CAN
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	331323	09/25/20 17:30	AGP	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			331398	09/26/20 15:23	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			331679	09/28/20 22:57	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			330379	09/15/20 08:50	JDW	TAL PIT

**Client Sample ID: SWA-2**

**Lab Sample ID: 180-111110-2**

**Date Collected: 09/15/20 11:00**

**Matrix: Water**

**Date Received: 09/17/20 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	331359	09/26/20 06:48	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332688	10/07/20 15:40	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331854	09/30/20 13:05	KEM	TAL PIT
Total/NA	Analysis	410.4-1993 R2.0 Instrument ID: ERNIE		1	2 mL	2 mL	452380	09/22/20 11:37	TPH	TAL CAN
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	331323	09/25/20 17:30	AGP	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			331398	09/26/20 15:24	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			331679	09/28/20 23:43	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			330379	09/15/20 11:00	JDW	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWA-3**

**Lab Sample ID: 180-111110-3**

**Date Collected: 09/15/20 10:35**

**Matrix: Water**

**Date Received: 09/17/20 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	331359	09/26/20 07:05	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332688	10/07/20 15:43	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331854	09/30/20 13:06	KEM	TAL PIT
Total/NA	Analysis	410.4-1993 R2.0 Instrument ID: ERNIE		1	2 mL	2 mL	452380	09/22/20 11:38	TPH	TAL CAN
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	331323	09/25/20 17:30	AGP	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			331398	09/26/20 15:30	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			331679	09/28/20 23:59	TAM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			330379	09/15/20 10:35	JDW	TAL PIT

**Client Sample ID: SWC-4**

**Lab Sample ID: 180-111110-4**

**Date Collected: 09/15/20 09:05**

**Matrix: Water**

**Date Received: 09/17/20 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	331359	09/26/20 07:48	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332688	10/07/20 15:45	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			331854	09/30/20 13:07	KEM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			330379	09/15/20 09:05	JDW	TAL PIT

**Client Sample ID: SWC-5**

**Lab Sample ID: 180-111110-5**

**Date Collected: 09/15/20 09:20**

**Matrix: Water**

**Date Received: 09/17/20 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	331359	09/26/20 13:56	MJH	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			332688	10/07/20 15:48	RJR	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## Client Sample ID: SWC-5

## Lab Sample ID: 180-111110-5

Date Collected: 09/15/20 09:20

Matrix: Water

Date Received: 09/17/20 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	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 13:08	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	Field Sampling		1			330379	09/15/20 09:20	JDW	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SWC-6

## Lab Sample ID: 180-111110-6

Date Collected: 09/15/20 09:55

Matrix: Water

Date Received: 09/17/20 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	1 mL	1.0 mL	331359	09/26/20 14:12	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332688	10/07/20 15:51	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 13:09	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	Field Sampling		1			330379	09/15/20 09:55	JDW	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: SWC-7

## Lab Sample ID: 180-111110-7

Date Collected: 09/15/20 09:45

Matrix: Water

Date Received: 09/17/20 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	1 mL	1.0 mL	331359	09/26/20 14:28	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332688	10/07/20 15:53	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 13:12	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	410.4-1993 R2.0		1	2 mL	2 mL	452776	09/24/20 09:27	TPH	TAL CAN
Instrument ID: ERNIE										
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	331323	09/25/20 17:30	AGP	TAL PIT
Total/NA	Analysis	SM 4500CN E		1			331398	09/26/20 15:31	CMR	TAL PIT
Instrument ID: SEAL2										
Total/NA	Analysis	SM 5310C		1			331679	09/29/20 00:14	TAM	TAL PIT
Instrument ID: TOC1030										
Total/NA	Analysis	Field Sampling		1			330379	09/15/20 09:45	JDW	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-8**

**Lab Sample ID: 180-111110-8**

**Date Collected: 09/15/20 10:15**

**Matrix: Water**

**Date Received: 09/17/20 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	1 mL	1.0 mL	331359	09/26/20 14:45	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332688	10/07/20 15:56	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 13:13	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	Field Sampling		1			330379	09/15/20 10:15	JDW	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: SWC-9**

**Lab Sample ID: 180-111110-9**

**Date Collected: 09/15/20 11:40**

**Matrix: Water**

**Date Received: 09/17/20 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	1 mL	1.0 mL	331359	09/26/20 15:01	MJH	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	331485	09/28/20 09:54	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332688	10/07/20 15:58	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331590	09/29/20 07:43	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 13:14	KEM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	Field Sampling		1			330379	09/15/20 11:40	JDW	TAL PIT
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396  
TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: TAL CAN

Batch Type: Analysis  
TPH = Tom Harshman

Lab: TAL PIT

Batch Type: Prep  
AGP = Angela Partridge  
KHM = Kyle Mucroski  
MM1 = Mary Beth Miller

Batch Type: Analysis  
CMR = Carl Reagle  
JDW = Jacob Wiedemer  
KEM = Kimberly Mahoney  
MJH = Matthew Hartman  
RJR = Ron Rosenbaum  
TAM = Tessa Mastalski

Eurofins TestAmerica, Pittsburgh



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWA-1**

**Lab Sample ID: 180-111110-1**

Date Collected: 09/15/20 08:50

Matrix: Water

Date Received: 09/17/20 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	0.32	mg/L			09/26/20 05:59	1
Fluoride	0.16		0.10	0.026	mg/L			09/26/20 05:59	1
Sulfate	62		1.0	0.38	mg/L			09/26/20 05:59	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		09/28/20 09:54	10/07/20 15:32	1
Arsenic	0.00070	J	0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:32	1
Barium	0.075		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:32	1
Boron	0.34		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:32	1
Calcium	20		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:32	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:32	1
Copper	0.0020		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:32	1
Nickel	0.00068	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:32	1
Vanadium	0.0040		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:32	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:32	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		09/29/20 07:43	09/30/20 13:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	10		10	4.1	mg/L			09/22/20 11:36	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		09/25/20 17:30	09/26/20 15:23	1
Total Organic Carbon - Duplicates	3.2		1.0	0.51	mg/L			09/28/20 22:57	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.17				SU			09/15/20 08:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWA-2**

**Lab Sample ID: 180-111110-2**

Date Collected: 09/15/20 11:00

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		1.0	0.32	mg/L			09/26/20 06:48	1
Fluoride	0.042	J	0.10	0.026	mg/L			09/26/20 06:48	1
Sulfate	220	E	1.0	0.38	mg/L			09/26/20 06:48	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		09/28/20 09:54	10/07/20 15:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:40	1
Barium	0.090		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:40	1
Boron	1.5		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:40	1
Calcium	45		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:40	1
Cobalt	0.0059		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:40	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:40	1
Nickel	0.00093	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:40	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:40	1
Vanadium	0.0013		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:05	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.1		10	4.1	mg/L			09/22/20 11:37	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		09/25/20 17:30	09/26/20 15:24	1
Total Organic Carbon - Duplicates	1.4		1.0	0.51	mg/L			09/28/20 23:43	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.09				SU			09/15/20 11:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWA-3**

**Lab Sample ID: 180-111110-3**

Date Collected: 09/15/20 10:35

Matrix: Water

Date Received: 09/17/20 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>10</b>		1.0	0.32	mg/L			09/26/20 07:05	1
Fluoride	<0.026		0.10	0.026	mg/L			09/26/20 07:05	1
<b>Sulfate</b>	<b>69</b>		1.0	0.38	mg/L			09/26/20 07:05	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		09/28/20 09:54	10/07/20 15:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Barium</b>	<b>0.044</b>		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Boron</b>	<b>0.48</b>		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Calcium</b>	<b>13</b>		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Cobalt</b>	<b>0.0030</b>		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Nickel</b>	<b>0.00091</b>	<b>J</b>	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:43	1
<b>Vanadium</b>	<b>0.0025</b>		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:06	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.1		10	4.1	mg/L			09/22/20 11:38	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		09/25/20 17:30	09/26/20 15:30	1
<b>Total Organic Carbon - Duplicates</b>	<b>0.69</b>	<b>J</b>	1.0	0.51	mg/L			09/28/20 23:59	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.37</b>				SU			09/15/20 10:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-4**

**Lab Sample ID: 180-111110-4**

Date Collected: 09/15/20 09:05

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10		1.0	0.32	mg/L			09/26/20 07:48	1
Fluoride	0.035	J	0.10	0.026	mg/L			09/26/20 07:48	1
Sulfate	120		1.0	0.38	mg/L			09/26/20 07:48	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		09/28/20 09:54	10/07/20 15:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:45	1
Barium	0.071		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:45	1
Boron	0.70		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:45	1
Calcium	27		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:45	1
Chromium	0.0022		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:45	1
Cobalt	0.0030		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:45	1
Copper	0.0012	J	0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:45	1
Lead	0.00050	J	0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:45	1
Nickel	0.0011		0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:45	1
Vanadium	0.0068		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:07	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.33				SU			09/15/20 09:05	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-5**

**Lab Sample ID: 180-111110-5**

Date Collected: 09/15/20 09:20

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14		1.0	0.32	mg/L			09/26/20 13:56	1
Fluoride	0.15		0.10	0.026	mg/L			09/26/20 13:56	1
Sulfate	44		1.0	0.38	mg/L			09/26/20 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00042	J	0.0020	0.00038	mg/L		09/28/20 09:54	10/07/20 15:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:48	1
Barium	0.040		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:48	1
Boron	0.056	J	0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:48	1
Calcium	35		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:48	1
Chromium	0.0023		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:48	1
Cobalt	0.0012	J	0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:48	1
Copper	0.0012	J	0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:48	1
Lead	0.00050	J	0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:48	1
Nickel	0.00099	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:48	1
Selenium	0.0019	J	0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:48	1
Vanadium	0.0076		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:08	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.31				SU			09/15/20 09:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-6**

**Lab Sample ID: 180-111110-6**

Date Collected: 09/15/20 09:55

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.2		1.0	0.32	mg/L			09/26/20 14:12	1
Fluoride	0.061	J	0.10	0.026	mg/L			09/26/20 14:12	1
Sulfate	0.73	J	1.0	0.38	mg/L			09/26/20 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 09:54	10/07/20 15:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:51	1
Barium	0.038		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:51	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:51	1
Calcium	13		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:51	1
Cobalt	0.0028		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:51	1
Nickel	0.00057	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:51	1
Vanadium	0.0029		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.50				SU			09/15/20 09:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-7**

**Lab Sample ID: 180-111110-7**

Date Collected: 09/15/20 09:45

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		1.0	0.32	mg/L			09/26/20 14:28	1
Fluoride	0.18		0.10	0.026	mg/L			09/26/20 14:28	1
Sulfate	67		1.0	0.38	mg/L			09/26/20 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 09:54	10/07/20 15:53	1
Arsenic	0.00063	J	0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:53	1
Barium	0.071		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:53	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:53	1
Boron	0.33		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:53	1
Calcium	21		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:53	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:53	1
Cobalt	0.00035	J	0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:53	1
Copper	0.0019	J	0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:53	1
Nickel	0.00096	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:53	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:53	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:53	1
Vanadium	0.0042		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:53	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:53	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		09/29/20 07:43	09/30/20 13:12	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	44		10	4.1	mg/L			09/24/20 09:27	1
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		09/25/20 17:30	09/26/20 15:31	1
Total Organic Carbon - Duplicates	3.1		1.0	0.51	mg/L			09/29/20 00:14	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.39				SU			09/15/20 09:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-8**

**Lab Sample ID: 180-111110-8**

Date Collected: 09/15/20 10:15

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		1.0	0.32	mg/L			09/26/20 14:45	1
Fluoride	0.043	J	0.10	0.026	mg/L			09/26/20 14:45	1
Sulfate	170		1.0	0.38	mg/L			09/26/20 14:45	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		09/28/20 09:54	10/07/20 15:56	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:56	1
Barium	0.073		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:56	1
Boron	1.1		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:56	1
Calcium	32		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:56	1
Cobalt	0.0032		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:56	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:56	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:56	1
Nickel	0.00077	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:56	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:56	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:56	1
Vanadium	0.0019		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:56	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:13	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.36				SU			09/15/20 10:15	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

**Client Sample ID: SWC-9**

**Lab Sample ID: 180-111110-9**

Date Collected: 09/15/20 11:40

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.2		1.0	0.32	mg/L			09/26/20 15:01	1
Fluoride	0.079	J	0.10	0.026	mg/L			09/26/20 15:01	1
Sulfate	5.3		1.0	0.38	mg/L			09/26/20 15:01	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		09/28/20 09:54	10/07/20 15:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:58	1
Barium	0.023		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:58	1
Boron	0.043	J	0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:58	1
Calcium	9.7		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:58	1
Chromium	0.0053		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:58	1
Nickel	0.00051	J	0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:58	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:58	1
Vanadium	0.0076		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 13:14	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.29				SU			09/15/20 11:40	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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

**Lab Sample ID: MB 180-331359/6**  
**Matrix: Water**  
**Analysis Batch: 331359**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/26/20 05:26	1
Fluoride	<0.026		0.10	0.026	mg/L			09/26/20 05:26	1
Sulfate	<0.38		1.0	0.38	mg/L			09/26/20 05:26	1

**Lab Sample ID: LCS 180-331359/5**  
**Matrix: Water**  
**Analysis Batch: 331359**

**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	2.55		mg/L		102	90 - 110
Sulfate	50.0	49.0		mg/L		98	90 - 110

**Lab Sample ID: 180-111110-1 MS**  
**Matrix: Water**  
**Analysis Batch: 331359**

**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	11		50.0	62.7		mg/L		102	90 - 110
Fluoride	0.16		2.50	2.83		mg/L		107	90 - 110
Sulfate	62		50.0	113		mg/L		101	90 - 110

**Lab Sample ID: 180-111110-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 331359**

**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	11		50.0	59.6		mg/L		96	90 - 110	5	20
Fluoride	0.16		2.50	2.78		mg/L		105	90 - 110	2	20
Sulfate	62		50.0	108		mg/L		93	90 - 110	4	20

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

**Lab Sample ID: MB 180-331485/1-A**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 09:54	10/07/20 15:14	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 09:54	10/07/20 15:14	1
Barium	<0.0016		0.010	0.0016	mg/L		09/28/20 09:54	10/07/20 15:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 09:54	10/07/20 15:14	1
Boron	<0.039		0.080	0.039	mg/L		09/28/20 09:54	10/07/20 15:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 09:54	10/07/20 15:14	1
Calcium	<0.13		0.50	0.13	mg/L		09/28/20 09:54	10/07/20 15:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 09:54	10/07/20 15:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 09:54	10/07/20 15:14	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 09:54	10/07/20 15:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 09:54	10/07/20 15:14	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/28/20 09:54	10/07/20 15:14	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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

**Lab Sample ID: MB 180-331485/1-A**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 09:54	10/07/20 15:14	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 09:54	10/07/20 15:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 09:54	10/07/20 15:14	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 09:54	10/07/20 15:14	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 09:54	10/07/20 15:14	1

**Lab Sample ID: LCS 180-331485/2-A**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.268		mg/L		107	80 - 120
Arsenic	1.00	0.980		mg/L		98	80 - 120
Barium	1.00	1.08		mg/L		108	80 - 120
Beryllium	0.500	0.553		mg/L		111	80 - 120
Boron	1.25	1.16		mg/L		93	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	26.5		mg/L		106	80 - 120
Chromium	0.500	0.496		mg/L		99	80 - 120
Cobalt	0.500	0.492		mg/L		98	80 - 120
Copper	0.500	0.485		mg/L		97	80 - 120
Lead	0.500	0.510		mg/L		102	80 - 120
Nickel	0.500	0.491		mg/L		98	80 - 120
Selenium	1.00	0.985		mg/L		98	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	0.499		mg/L		100	80 - 120
Zinc	0.250	0.241		mg/L		96	80 - 120

**Lab Sample ID: 180-111110-9 MS**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: SWC-9**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.273		mg/L		109	75 - 125
Arsenic	<0.00031		1.00	0.984		mg/L		98	75 - 125
Barium	0.023		1.00	1.14		mg/L		112	75 - 125
Beryllium	<0.00018		0.500	0.561		mg/L		112	75 - 125
Boron	0.043	J	1.25	1.18		mg/L		91	75 - 125
Cadmium	<0.00022		0.500	0.524		mg/L		105	75 - 125
Calcium	9.7		25.0	36.9		mg/L		109	75 - 125
Chromium	0.0053		0.500	0.518		mg/L		103	75 - 125
Cobalt	<0.00013		0.500	0.487		mg/L		97	75 - 125
Copper	<0.00063		0.500	0.486		mg/L		97	75 - 125
Lead	<0.00013		0.500	0.530		mg/L		106	75 - 125
Nickel	0.00051	J	0.500	0.489		mg/L		98	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.249		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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

**Lab Sample ID: 180-111110-9 MS**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: SWC-9**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.0076		0.500	0.523		mg/L		103	75 - 125
Zinc	<0.0032		0.250	0.241		mg/L		96	75 - 125

**Lab Sample ID: 180-111110-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 332688**

**Client Sample ID: SWC-9**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331485**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.271		mg/L		108	75 - 125	1	20
Arsenic	<0.00031		1.00	0.976		mg/L		98	75 - 125	1	20
Barium	0.023		1.00	1.14		mg/L		112	75 - 125	0	20
Beryllium	<0.00018		0.500	0.558		mg/L		112	75 - 125	1	20
Boron	0.043	J	1.25	1.16		mg/L		89	75 - 125	2	20
Cadmium	<0.00022		0.500	0.520		mg/L		104	75 - 125	1	20
Calcium	9.7		25.0	36.4		mg/L		107	75 - 125	1	20
Chromium	0.0053		0.500	0.509		mg/L		101	75 - 125	2	20
Cobalt	<0.00013		0.500	0.484		mg/L		97	75 - 125	1	20
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125	1	20
Lead	<0.00013		0.500	0.504		mg/L		101	75 - 125	5	20
Nickel	0.00051	J	0.500	0.485		mg/L		97	75 - 125	1	20
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125	0	20
Silver	<0.00018		0.250	0.244		mg/L		98	75 - 125	2	20
Thallium	<0.00015		1.00	0.981		mg/L		98	75 - 125	4	20
Vanadium	0.0076		0.500	0.517		mg/L		102	75 - 125	1	20
Zinc	<0.0032		0.250	0.248		mg/L		99	75 - 125	3	20

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

**Lab Sample ID: MB 180-331590/1-A**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331590**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:43	09/30/20 12:49	1

**Lab Sample ID: LCS 180-331590/2-A**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331590**

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

**Lab Sample ID: 180-111111-C-1-D MS**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331590**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.000916		mg/L		92	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

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

Lab Sample ID: 180-111111-C-1-E MSD  
Matrix: Water  
Analysis Batch: 331854

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 331590

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000958		mg/L		96	75 - 125	4	20

## Method: 410.4-1993 R2.0 - COD

Lab Sample ID: MB 240-452380/40  
Matrix: Water  
Analysis Batch: 452380

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.1		10	4.1	mg/L			09/22/20 11:10	1

Lab Sample ID: LCS 240-452380/41  
Matrix: Water  
Analysis Batch: 452380

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	98.5	88.4		mg/L		90	90 - 110

Lab Sample ID: 180-111036-E-1 MSD  
Matrix: Water  
Analysis Batch: 452380

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
Chemical Oxygen Demand	28		50.0	72.8		mg/L		90	90 - 110	2	20

Lab Sample ID: 240-136552-G-1 MS  
Matrix: Water  
Analysis Batch: 452380

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
Chemical Oxygen Demand	41		50.0	87.1		mg/L		92	90 - 110

Lab Sample ID: MB 240-452776/40  
Matrix: Water  
Analysis Batch: 452776

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.1		10	4.1	mg/L			09/24/20 09:18	1

Lab Sample ID: LCS 240-452776/41  
Matrix: Water  
Analysis Batch: 452776

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	98.5	94.8		mg/L		96	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## Method: 410.4-1993 R2.0 - COD (Continued)

**Lab Sample ID: 240-136995-A-1 MS**  
**Matrix: Water**  
**Analysis Batch: 452776**

**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
Chemical Oxygen Demand	41	F1	50.0	72.6	F1	mg/L		63	90 - 110

**Lab Sample ID: 240-136995-A-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 452776**

**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
Chemical Oxygen Demand	41	F1	50.0	75.9	F1	mg/L		70	90 - 110	4	20

## Method: SM 4500CN E - Total Cyanide

**Lab Sample ID: MB 180-331323/4-A**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0044		0.010	0.0044	mg/L		09/25/20 17:30	09/26/20 15:14	1

**Lab Sample ID: HLCS 180-331323/2-A**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.245		mg/L		98	90 - 110

**Lab Sample ID: LCS 180-331323/3-A**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.200	0.197		mg/L		99	90 - 110

**Lab Sample ID: LLCS 180-331323/1-A**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0498		mg/L		100	90 - 110

**Lab Sample ID: 440-271863-U-4-C MS**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.0044	F1	0.200	0.181		mg/L		91	90 - 110

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## Method: SM 4500CN E - Total Cyanide (Continued)

**Lab Sample ID: 440-271863-U-4-D MSD**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Cyanide, Total	<0.0044	F1	0.200	0.172	F1	mg/L		86	90 - 110	5	20

**Lab Sample ID: 440-271863-U-4-B DU**  
**Matrix: Water**  
**Analysis Batch: 331398**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331323**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Cyanide, Total	<0.0044	F1	<0.0044		mg/L		NC	20

## Method: SM 5310C - Total Organic Carbon

**Lab Sample ID: MB 180-331679/6**  
**Matrix: Water**  
**Analysis Batch: 331679**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon - Duplicates	<0.51		1.0	0.51	mg/L			09/28/20 21:11	1

**Lab Sample ID: LCS 180-331679/4**  
**Matrix: Water**  
**Analysis Batch: 331679**

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Organic Carbon - Duplicates	20.0	18.9		mg/L		95	85 - 115

**Lab Sample ID: LCSD 180-331679/5**  
**Matrix: Water**  
**Analysis Batch: 331679**

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	Limit
		Result	Qualifier				Limits		
Total Organic Carbon - Duplicates	20.0	18.9		mg/L		95	85 - 115	0	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## HPLC/IC

### Analysis Batch: 331359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-111110-2	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-111110-3	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-111110-4	SWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-111110-5	SWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-111110-6	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-111110-7	SWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-111110-8	SWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-111110-9	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-331359/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-331359/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-111110-1 MS	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-111110-1 MSD	SWA-1	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 331485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total Recoverable	Water	3005A	
180-111110-2	SWA-2	Total Recoverable	Water	3005A	
180-111110-3	SWA-3	Total Recoverable	Water	3005A	
180-111110-4	SWC-4	Total Recoverable	Water	3005A	
180-111110-5	SWC-5	Total Recoverable	Water	3005A	
180-111110-6	SWC-6	Total Recoverable	Water	3005A	
180-111110-7	SWC-7	Total Recoverable	Water	3005A	
180-111110-8	SWC-8	Total Recoverable	Water	3005A	
180-111110-9	SWC-9	Total Recoverable	Water	3005A	
MB 180-331485/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331485/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-111110-9 MS	SWC-9	Total Recoverable	Water	3005A	
180-111110-9 MSD	SWC-9	Total Recoverable	Water	3005A	

### Prep Batch: 331590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	7470A	
180-111110-2	SWA-2	Total/NA	Water	7470A	
180-111110-3	SWA-3	Total/NA	Water	7470A	
180-111110-4	SWC-4	Total/NA	Water	7470A	
180-111110-5	SWC-5	Total/NA	Water	7470A	
180-111110-6	SWC-6	Total/NA	Water	7470A	
180-111110-7	SWC-7	Total/NA	Water	7470A	
180-111110-8	SWC-8	Total/NA	Water	7470A	
180-111110-9	SWC-9	Total/NA	Water	7470A	
MB 180-331590/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331590/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-111111-C-1-D MS	Matrix Spike	Total/NA	Water	7470A	
180-111111-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 331854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	EPA 7470A	331590

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## Metals (Continued)

### Analysis Batch: 331854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-2	SWA-2	Total/NA	Water	EPA 7470A	331590
180-111110-3	SWA-3	Total/NA	Water	EPA 7470A	331590
180-111110-4	SWC-4	Total/NA	Water	EPA 7470A	331590
180-111110-5	SWC-5	Total/NA	Water	EPA 7470A	331590
180-111110-6	SWC-6	Total/NA	Water	EPA 7470A	331590
180-111110-7	SWC-7	Total/NA	Water	EPA 7470A	331590
180-111110-8	SWC-8	Total/NA	Water	EPA 7470A	331590
180-111110-9	SWC-9	Total/NA	Water	EPA 7470A	331590
MB 180-331590/1-A	Method Blank	Total/NA	Water	EPA 7470A	331590
LCS 180-331590/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331590
180-111111-C-1-D MS	Matrix Spike	Total/NA	Water	EPA 7470A	331590
180-111111-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331590

### Analysis Batch: 332688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total Recoverable	Water	EPA 6020B	331485
180-111110-2	SWA-2	Total Recoverable	Water	EPA 6020B	331485
180-111110-3	SWA-3	Total Recoverable	Water	EPA 6020B	331485
180-111110-4	SWC-4	Total Recoverable	Water	EPA 6020B	331485
180-111110-5	SWC-5	Total Recoverable	Water	EPA 6020B	331485
180-111110-6	SWC-6	Total Recoverable	Water	EPA 6020B	331485
180-111110-7	SWC-7	Total Recoverable	Water	EPA 6020B	331485
180-111110-8	SWC-8	Total Recoverable	Water	EPA 6020B	331485
180-111110-9	SWC-9	Total Recoverable	Water	EPA 6020B	331485
MB 180-331485/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331485
LCS 180-331485/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331485
180-111110-9 MS	SWC-9	Total Recoverable	Water	EPA 6020B	331485
180-111110-9 MSD	SWC-9	Total Recoverable	Water	EPA 6020B	331485

## General Chemistry

### Prep Batch: 331323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	SM 4500 CN C	
180-111110-2	SWA-2	Total/NA	Water	SM 4500 CN C	
180-111110-3	SWA-3	Total/NA	Water	SM 4500 CN C	
180-111110-7	SWC-7	Total/NA	Water	SM 4500 CN C	
MB 180-331323/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-331323/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-331323/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-331323/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
440-271863-U-4-C MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
440-271863-U-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	
440-271863-U-4-B DU	Duplicate	Total/NA	Water	SM 4500 CN C	

### Analysis Batch: 331398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	SM 4500CN E	331323
180-111110-2	SWA-2	Total/NA	Water	SM 4500CN E	331323
180-111110-3	SWA-3	Total/NA	Water	SM 4500CN E	331323
180-111110-7	SWC-7	Total/NA	Water	SM 4500CN E	331323

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Surface Water

Job ID: 180-111110-1

## General Chemistry (Continued)

### Analysis Batch: 331398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-331323/4-A	Method Blank	Total/NA	Water	SM 4500CN E	331323
HLCS 180-331323/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	331323
LCS 180-331323/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	331323
LLCS 180-331323/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	331323
440-271863-U-4-C MS	Matrix Spike	Total/NA	Water	SM 4500CN E	331323
440-271863-U-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500CN E	331323
440-271863-U-4-B DU	Duplicate	Total/NA	Water	SM 4500CN E	331323

### Analysis Batch: 331679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	SM 5310C	
180-111110-2	SWA-2	Total/NA	Water	SM 5310C	
180-111110-3	SWA-3	Total/NA	Water	SM 5310C	
180-111110-7	SWC-7	Total/NA	Water	SM 5310C	
MB 180-331679/6	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-331679/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-331679/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

### Analysis Batch: 452380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	410.4-1993 R2.0	
180-111110-2	SWA-2	Total/NA	Water	410.4-1993 R2.0	
180-111110-3	SWA-3	Total/NA	Water	410.4-1993 R2.0	
MB 240-452380/40	Method Blank	Total/NA	Water	410.4-1993 R2.0	
LCS 240-452380/41	Lab Control Sample	Total/NA	Water	410.4-1993 R2.0	
180-111036-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	410.4-1993 R2.0	
240-136552-G-1 MS	Matrix Spike	Total/NA	Water	410.4-1993 R2.0	

### Analysis Batch: 452776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-7	SWC-7	Total/NA	Water	410.4-1993 R2.0	
MB 240-452776/40	Method Blank	Total/NA	Water	410.4-1993 R2.0	
LCS 240-452776/41	Lab Control Sample	Total/NA	Water	410.4-1993 R2.0	
240-136995-A-1 MS	Matrix Spike	Total/NA	Water	410.4-1993 R2.0	
240-136995-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	410.4-1993 R2.0	

## Field Service / Mobile Lab

### Analysis Batch: 330379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111110-1	SWA-1	Total/NA	Water	Field Sampling	
180-111110-2	SWA-2	Total/NA	Water	Field Sampling	
180-111110-3	SWA-3	Total/NA	Water	Field Sampling	
180-111110-4	SWC-4	Total/NA	Water	Field Sampling	
180-111110-5	SWC-5	Total/NA	Water	Field Sampling	
180-111110-6	SWC-6	Total/NA	Water	Field Sampling	
180-111110-7	SWC-7	Total/NA	Water	Field Sampling	
180-111110-8	SWC-8	Total/NA	Water	Field Sampling	
180-111110-9	SWC-9	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

# 244- ATLANTA Chain of Custody Record

**TestAmerica Pittsburgh**  
 201 Alpha Drive  
 PECO Park

Pittsburgh, PA 15208-2607  
 phone 412.963.7050 fax 412.963.2458



TestAmerica Laboratories, Inc.

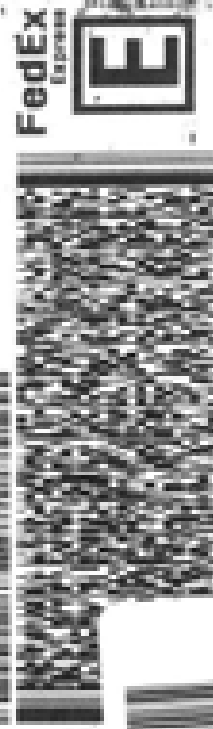
<b>Client Contact</b> John Abraham Southern Company 241 Ralph McGill Blvd SE (R3218) Atlanta, GA 30328 Project Name: Plant Scheme Surface Water City: Georgia POC: 18071884		<b>Regulatory Program:</b> <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Other <b>Project Manager:</b> Diana Prial Tel/Fax: 244-834-6445 <input type="checkbox"/> Contaminant <input type="checkbox"/> Microbial (AMS) NOT affected by date: _____ <input type="checkbox"/> 1 week <input type="checkbox"/> 2 weeks <input type="checkbox"/> 3 days <input type="checkbox"/> 1 day		<b>Site Contact:</b> Karim Miskura Lab Contact: Venetia Borot Date: 8/16/2020 Campaign:		COC No: _____ of _____ COCs Sampler: _____ For Lab Use Only: Meth in Client: _____ Lab Sampling: _____ CDR / ROR (Yes): _____		
Sample Identification	Sample Date	Sample Time	Sample Type (Column, Jar, etc.)	Matrix	# of Cont.	Analysis	Retention	Comments
SWA-1	8/15/2020	8:55	0	Water	7		X	pH = 7.17
SWA-2	8/15/2020	11:00	0	Water	7		X	pH = 7.06
SWA-3	8/15/2020	10:35	0	Water	7		X	pH = 7.37
SWC-4	8/15/2020	9:05	0	Water	2		X	pH = 7.33
SWC-5	8/15/2020	9:30	0	Water	2		X	pH = 7.31
SWC-6	8/15/2020	9:55	0	Water	2		X	pH = 7.30
SWC-7	8/15/2020	9:45	0	Water	7		X	pH = 7.38
SWC-8	8/15/2020	10:15	0	Water	2		X	pH = 7.36
SWC-8	8/15/2020	11:40	0	Water	2		X	pH = 7.28
Preservation Used: <input type="checkbox"/> Ice <input type="checkbox"/> HCl <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> H2O2 <input type="checkbox"/> 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.						Sample Disposal: Chain of Custody 180-111110: Chain of Custody 		
<input type="checkbox"/> No Hazard <input type="checkbox"/> Hazardous <input type="checkbox"/> No Intent Special Instructions/OC Requirements & Comments:		<input type="checkbox"/> Return to Client <input type="checkbox"/> Destroy by Lab <input type="checkbox"/> Analyze by _____ Months		Project ID No: _____				
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Requisitioned by: <i>John Abraham</i> Date/Time: <i>8/16/2020 11:55</i> Approved by: <i>[Signature]</i> Date/Time: <i>8/17/2020 11:55</i> Requisitioned by: <i>[Signature]</i> Date/Time: <i>8/17/2020 11:55</i>		Company: <i>Southern</i> Date/Time: <i>8/16/2020</i>		Company: <i>STARR</i> Date/Time: <i>8/17/2020</i>				



04 SEP 2021 09:00:22

ORIGIN (EU,EN,US,JP) (4070) (000-0000)  
SHIP DATE: 18 SEP 2021  
SHIP TIME: 03:00 PM  
CART: 0001111150  
BILL RECEIPT

19 SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
4417 (000-7000)  
REC: SOUTHERN CO



THU - 17 SEP 3:00P  
STANDARD OVERNIGHT  
1516 9325 0203  
15238  
PA-US PIT

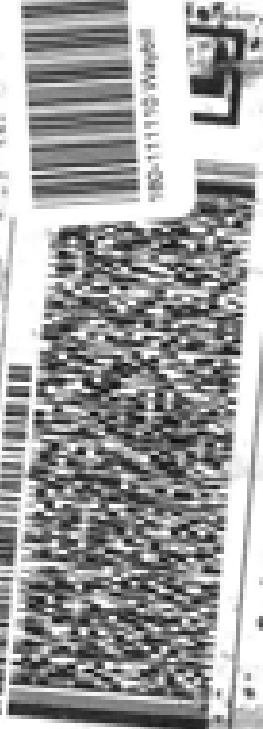
NA AGCA

Unconnected temp  
Thermometer ID  
3.8 / 1.4 °C  
CF    °C Initials   



ORIGIN (EU,EN,US,JP) (4070) (000-0000)  
SHIP DATE: 18 SEP 2021  
SHIP TIME: 03:00 PM  
CART: 0001111150  
BILL RECEIPT

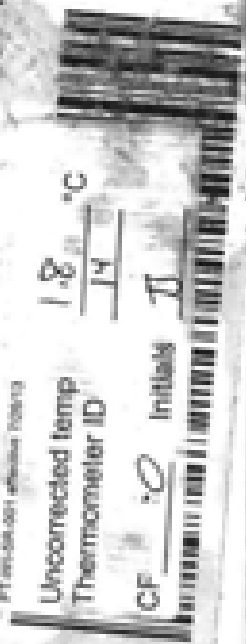
20 SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
4417 (000-7000)  
REC: SOUTHERN CO



THU - 17 SEP 3:00P  
STANDARD OVERNIGHT  
1516 9325 0188  
15238  
PA-US PIT

NA AGCA

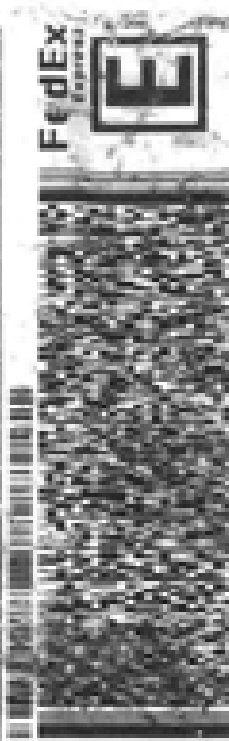
Unconnected temp  
Thermometer ID  
1.8 / 1.4 °C  
CF    °C Initials   



- 1
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- 6
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- 9
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- 11
- 12
- 13

ORDER 123456 (4242) (800-888-8888)  
SHIP DATE: 15SEP20  
SHIP TO: 15238 PIT  
SHIP FROM: 15238 PIT  
BILL RECEIPT

TO: SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
REV. SOUTHERN CO.



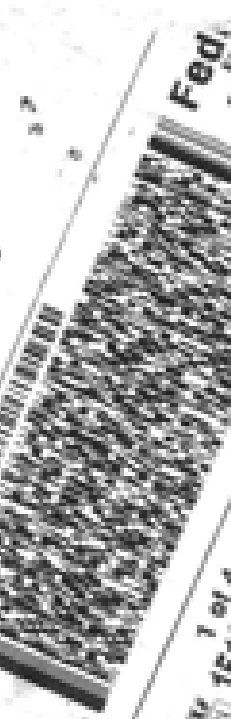
3 of 4  
1516 9325 0177  
THU - 17 SEP 3:00P  
STANDARD OVERNIGHT  
-15238  
PA-15238 PIT

NA AGCA

Unconnected temp  
Thermometer ID  
32  
32  
32

Enviro  
Testal

TO: SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
REV. SOUTHERN CO.



1 of 4  
1516 9325 0177  
THU - 17 SEP 3:00P  
STANDARD OVERNIGHT  
-15238  
PA-15238 PIT

NA AGCA

Unconnected temp  
Thermometer ID  
32  
32  
32

- 1
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- 3
- 4
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- 11
- 12
- 13

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b> Client Contact: [Blank] Shipping/Receiving: [Blank]		CCR# 190-111190-1 Page 1 of 1	
TestAmerica Laboratories, Inc. Address: 4111 Shuffel Street NW City: North Canton State: OH 44720 Phone: 330-497-8396(Tel) 330-497-8772(Fax) Email: [Blank]		Order Number: 1901190-1 EDT Requested (Y/N): [Blank]	
Client Name: Plant Scherer Surface Water Location: CCR Plant Scherer		Analysis Requested: A. HCL B. Nitrite C. Zn Arsenic D. Nitrate E. Hardness F. Magn G. Ammonia H. Ammonia I. pH J. Chloride K. Sulfate L. Other (Specify)	
<b>Sample Identification - Client ID (A, B, or C)</b>		Special Testing Items/Notes:	
Sample ID: SRA-1 (190-111190-1) SRA-2 (190-111190-2) SRA-3 (190-111190-3) SRA-P (190-111190-P)	Sample Date: 9/15/20 9/15/20 9/15/20 9/15/20	Sample Type (C, D, or E): Water Water Water Water	Matrix (F, G, or H): Water Water Water Water
Total Number of Containers: 1		Total Number of Containers: 1	
Sample Disposition (A for may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Dispose By Lab <input type="checkbox"/> Archive For		Special Instructions/QC Requirements:	
Primary Deliverable Rank: 2		Date: 9/19/20 10:00 AM	
Empty Kit Requisitioned By: [Signature] Requisitioned By: [Signature] Requisitioned By: [Signature]		Received By: [Signature] Received By: [Signature] Received By: [Signature]	
Company Name: TestAmerica Address: [Blank]		Company Name: ETAC Address: [Blank]	
Confidentiality Level: [Blank]		Confidentiality Level: [Blank]	



<b>Eurofins TestAmerica Canton Sample Receipt Form/Narrative</b>		Login # : _____	
<b>Canton Facility</b>			
Client <u>ETA Pittsburgh</u>	Site Name _____	Cooler unpacked by <u>[Signature]</u>	
Cooler Received on <u>9-19-20</u>	Opened on <u>9-20-20</u>		
FedEx: 1 <sup>st</sup> Gnd Exp <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>11</u>	Foam Box	Client Cooler Box Other	
Packing material used: <u>Bubble Wrap</u> Foam <u>Plastic Bag</u> None Other			
COOLANT: <u>Water</u> Blue Ice Dry Ice Water None			
1. Cooler temperature upon receipt		<input checked="" type="checkbox"/> See Multiple Cooler Form	
IR GUN# IR-10 (CF +0.7°C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN #IR-11 (CF +0.9°C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	Yes No	<p>Tests that are not checked for pH by Receiving:</p> <p>VOAs Oil and Grease TOC</p>	
-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/MHg)?	Yes No		
-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# <u>HC907863</u>
14. Were VOAs on the COC?	Yes No		
15. Were air bubbles >6 mm in any VOA vials?  Larger than this.	Yes No NA		
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 _____			

<b>18. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES</b> <input type="checkbox"/> additional next page	Samples processed by: _____
<hr/> <hr/> <hr/>	

<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: _____

**Eurofina TestAmerica Canton Sample Receipt Multiple Cooler Form**

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
1A Client Box Other	W-10 W-11	4.6	3.5	Wet Ice Blue Ice Dry Ice Water None
1B Client Box Other	W-10 W-11	1.0	1.9	Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None
1A Client Box Other	W-10 W-11			Wet Ice Blue Ice Dry Ice Water None

See Temperature Excursion Form

WT-NC-009 Cooler Receipt Form Page 2 - Multiple Cooler



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-111110-1

**Login Number: 111110**

**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: 180-111112-1  
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:  
10/12/2020 6:33:23 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



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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**Job ID: 180-111112-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-111112-1**

**Comments**

No additional comments.

**Receipt**

The sample was received on 9/17/2020 9:30 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8° C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

**Metals**

Method 3005A: The following sample was diluted due to the nature of the sample matrix: Effluent (180-111112-1). 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.

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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

## 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: 180-111112-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-111112-1	Effluent	Water	09/15/20 12:45	09/17/20 09:30	

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- 1
- 2
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- 12
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# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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: 180-111112-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-111112-1**

**Date Collected: 09/15/20 12:45**

**Matrix: Water**

**Date Received: 09/17/20 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			5 mL	50 mL	331489	09/28/20 10:06	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332064	10/01/20 13:23	RJR	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			5 mL	50 mL	331489	09/28/20 10:06	KHM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			332209	10/02/20 15:23	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	331589	09/29/20 07:40	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			331854	09/30/20 12:33	KEM	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

KHM = Kyle Mucroski

MM1 = Mary Beth Miller

Batch Type: Analysis

KEM = Kimberly Mahoney

RJR = Ron Rosenbaum

RSK = Robert Kurtz

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

**Client Sample ID: Effluent**

**Lab Sample ID: 180-111112-1**

Date Collected: 09/15/20 12:45

Matrix: Water

Date Received: 09/17/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0045	J	0.020	0.0038	mg/L		09/28/20 10:06	10/01/20 13:23	1
Arsenic	0.023		0.010	0.0031	mg/L		09/28/20 10:06	10/02/20 15:23	1
Barium	0.51		0.10	0.016	mg/L		09/28/20 10:06	10/01/20 13:23	1
Beryllium	0.0036	J	0.025	0.0018	mg/L		09/28/20 10:06	10/01/20 13:23	1
Cadmium	0.0071	J	0.025	0.0022	mg/L		09/28/20 10:06	10/01/20 13:23	1
Chromium	0.19		0.020	0.015	mg/L		09/28/20 10:06	10/01/20 13:23	1
Cobalt	0.024	J	0.025	0.0013	mg/L		09/28/20 10:06	10/01/20 13:23	1
Copper	0.32		0.020	0.0063	mg/L		09/28/20 10:06	10/01/20 13:23	1
Lead	0.014		0.010	0.0013	mg/L		09/28/20 10:06	10/01/20 13:23	1
Nickel	0.29		0.010	0.0034	mg/L		09/28/20 10:06	10/01/20 13:23	1
Selenium	0.44		0.050	0.015	mg/L		09/28/20 10:06	10/01/20 13:23	1
Silver	<0.0018		0.010	0.0018	mg/L		09/28/20 10:06	10/01/20 13:23	1
Thallium	<0.0015		0.010	0.0015	mg/L		09/28/20 10:06	10/01/20 13:23	1
Vanadium	0.028		0.010	0.0099	mg/L		09/28/20 10:06	10/01/20 13:23	1
Zinc	0.46		0.050	0.032	mg/L		09/28/20 10:06	10/02/20 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0051		0.00020	0.00013	mg/L		09/29/20 07:40	09/30/20 12:33	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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

**Lab Sample ID: 180-110490-G-8-C MS**  
**Matrix: Water**  
**Analysis Batch: 332064**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331489**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier	Added	Result	Qualifier					
Antimony	<0.00038		0.250	0.279		mg/L		112	75 - 125	
Barium	<0.0016		1.00	1.13		mg/L		113	75 - 125	
Beryllium	<0.00018		0.500	0.491		mg/L		98	75 - 125	
Cadmium	<0.00022		0.500	0.525		mg/L		105	75 - 125	
Chromium	<0.0015		0.500	0.515		mg/L		103	75 - 125	
Cobalt	<0.00013		0.500	0.476		mg/L		95	75 - 125	
Copper	<0.00063		0.500	0.475		mg/L		95	75 - 125	
Lead	<0.00013		0.500	0.540		mg/L		108	75 - 125	
Nickel	<0.00034		0.500	0.473		mg/L		95	75 - 125	
Selenium	<0.0015		1.00	1.07		mg/L		107	75 - 125	
Silver	<0.00018		0.250	0.245		mg/L		98	75 - 125	
Thallium	<0.00015		1.00	1.04		mg/L		104	75 - 125	
Vanadium	<0.00099		0.500	0.519		mg/L		104	75 - 125	

**Lab Sample ID: 180-110490-G-8-D MSD**  
**Matrix: Water**  
**Analysis Batch: 332064**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331489**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	<0.00038		0.250	0.272		mg/L		109	75 - 125	2	20
Barium	<0.0016		1.00	1.10		mg/L		110	75 - 125	3	20
Beryllium	<0.00018		0.500	0.484		mg/L		97	75 - 125	1	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	2	20
Chromium	<0.0015		0.500	0.502		mg/L		100	75 - 125	3	20
Cobalt	<0.00013		0.500	0.475		mg/L		95	75 - 125	0	20
Copper	<0.00063		0.500	0.476		mg/L		95	75 - 125	0	20
Lead	<0.00013		0.500	0.516		mg/L		103	75 - 125	5	20
Nickel	<0.00034		0.500	0.474		mg/L		95	75 - 125	0	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	2	20
Silver	<0.00018		0.250	0.243		mg/L		97	75 - 125	1	20
Thallium	<0.00015		1.00	1.00		mg/L		100	75 - 125	3	20
Vanadium	<0.00099		0.500	0.506		mg/L		101	75 - 125	3	20

**Lab Sample ID: MB 180-331489/1-A**  
**Matrix: Water**  
**Analysis Batch: 332064**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331489**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		09/28/20 10:06	10/01/20 12:33	1
Barium	<0.0016		0.010	0.0016	mg/L		09/28/20 10:06	10/01/20 12:33	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/28/20 10:06	10/01/20 12:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/28/20 10:06	10/01/20 12:33	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/28/20 10:06	10/01/20 12:33	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/28/20 10:06	10/01/20 12:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/28/20 10:06	10/01/20 12:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/28/20 10:06	10/01/20 12:33	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/28/20 10:06	10/01/20 12:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/28/20 10:06	10/01/20 12:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/28/20 10:06	10/01/20 12:33	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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

**Lab Sample ID: MB 180-331489/1-A**  
**Matrix: Water**  
**Analysis Batch: 332064**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331489**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00015		0.0010	0.00015	mg/L		09/28/20 10:06	10/01/20 12:33	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/28/20 10:06	10/01/20 12:33	1

**Lab Sample ID: MB 180-331489/1-A**  
**Matrix: Water**  
**Analysis Batch: 332209**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331489**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/28/20 10:06	10/02/20 15:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/28/20 10:06	10/02/20 15:18	1

**Lab Sample ID: LCS 180-331489/2-A**  
**Matrix: Water**  
**Analysis Batch: 332064**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331489**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.274		mg/L		110	80 - 120
Barium	1.00	1.11		mg/L		111	80 - 120
Beryllium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.500	0.530		mg/L		106	80 - 120
Chromium	0.500	0.513		mg/L		103	80 - 120
Cobalt	0.500	0.495		mg/L		99	80 - 120
Copper	0.500	0.495		mg/L		99	80 - 120
Lead	0.500	0.530		mg/L		106	80 - 120
Nickel	0.500	0.494		mg/L		99	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	0.250	0.249		mg/L		100	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	0.500	0.517		mg/L		103	80 - 120

**Lab Sample ID: LCS 180-331489/2-A**  
**Matrix: Water**  
**Analysis Batch: 332209**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 331489**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Zinc	0.250	0.239		mg/L		96	80 - 120

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

**Lab Sample ID: MB 180-331589/1-A**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 331589**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		09/29/20 07:40	09/30/20 12:20	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

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

**Lab Sample ID: LCS 180-331589/2-A**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 331589**  
**%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: 180-110678-F-5-B MS**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 331589**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.000913		mg/L		91	75 - 125

**Lab Sample ID: 180-110678-F-5-C MSD**  
**Matrix: Water**  
**Analysis Batch: 331854**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 331589**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00103		mg/L		103	75 - 125	12	20

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Effluent

Job ID: 180-111112-1

## Metals

### Prep Batch: 331489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111112-1	Effluent	Total Recoverable	Water	3005A	
MB 180-331489/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331489/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-110490-G-8-C MS	Matrix Spike	Total/NA	Water	3005A	
180-110490-G-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

### Prep Batch: 331589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111112-1	Effluent	Total/NA	Water	7470A	
MB 180-331589/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-331589/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-110678-F-5-B MS	Matrix Spike	Total/NA	Water	7470A	
180-110678-F-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 331854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111112-1	Effluent	Total/NA	Water	EPA 7470A	331589
MB 180-331589/1-A	Method Blank	Total/NA	Water	EPA 7470A	331589
LCS 180-331589/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	331589
180-110678-F-5-B MS	Matrix Spike	Total/NA	Water	EPA 7470A	331589
180-110678-F-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	331589

### Analysis Batch: 332064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111112-1	Effluent	Total Recoverable	Water	EPA 6020B	331489
MB 180-331489/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331489
LCS 180-331489/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331489
180-110490-G-8-C MS	Matrix Spike	Total/NA	Water	EPA 6020B	331489
180-110490-G-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 6020B	331489

### Analysis Batch: 332209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111112-1	Effluent	Total Recoverable	Water	EPA 6020B	331489
MB 180-331489/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331489
LCS 180-331489/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331489

TestAmerica Laboratories, Inc.

Regulatory Programs:  Air  Water  SOA  Other

<b>Client Contact</b> John Abraham Southern Company 241 Ralph McGill Blvd SE 30339 Atlanta, GA 30308		<b>Project Manager: Dawn Prill</b> Tollfree: 800-634-6443 <input type="checkbox"/> Container cans <input type="checkbox"/> Aerosol cans (All different from below)		<b>Site Contact: Kevin Miskala</b> Labs Contact: Vanessa Borjas		<b>Order No:</b> 1 of 1 COCs	
<b>Project Name: Plant Scheme</b> Site: Georgia PID #: 1801884		<b>Analysis Turnaround Time</b> For 1 different from below:		Date Contacted: _____ Lab Contact: _____ Job / SOG No.: _____		Sampler: _____ For Lab Use Only: Wash in Clean: _____ Lab Sampling: _____	
<b>Sample Identification</b> Effluent		Sample Code: 18152009	Sample Time: 12:43	Sample Type: G Matrix: Water	# of Matrix Cans: 1	Sample Specific Notes: Sampled from Unit 4	
Preservation Used: 1= Ice, 2= RC2, 3= RC2A, 4= RC2B, (includes 8= 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 of the lab to be shipped of the sample.		Sample Disposal: (A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Standard <input type="checkbox"/> Special <input type="checkbox"/> Other		<input type="checkbox"/> Report 1 <input type="checkbox"/> Report 2		<input type="checkbox"/> Month to Date <input type="checkbox"/> Annual to Lab <input type="checkbox"/> Annual to Month		180-111112 Chain of Custody	
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____		Cooler Temp. (°C): _____		Count: _____	
Requisitioned by: _____		Company: _____		Sampled by: _____		Team ID No.: _____	
Approved by: _____		Date: 11-55		Received by: _____		Date/Time: _____	
_____		_____		_____		_____	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-111112-1

**Login Number: 111112**

**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	





**APPENDIX A**  
**FIELD DATA FORMS**  
**MARCH 2020**

115A<sup>4</sup>

Project Plant Scherer  
Field Staff

Instrument Calibration

Date: Time: 3-17-20 3-18-20 3-19-20 3-20-20

Parameter	Units	Standard	SmarTROLL SN 643819	SmarTROLL SN 643819	SmarTROLL SN 643819	SmarTROLL SN 643819
DO	% saturation	100	95.5	95.8	96.1	96.1
Conductivity	us/cm	4490	4593	4441	4537 <sup>2</sup>	4549
pH	S.U.	4.00	4.22	4.22	4.20	4.18
pH	S.U.	7.00	7.06	7.11	7.11	7.12
pH	S.U.	10.00	9.80	9.95	9.76	9.78
ORP	mV	228.00	240.5	240.0	236.0	232.6

3-19-20 3-18-20 3-19-20 3-20-20

Turbidity	Units	Standard	LaMotte SN 390-385	LaMotte SN 390-385	LaMotte SN 390-011	LaMotte SN 390-011
	NTU	0.0	0.00	0.17	0.00	0.00
	NTU	1.0	1.00	1.05	0.98	1.05
	NTU	10.0	10.00	10.11	9.83	10.11

Date: Time: 3-21-20 3-22-20 3-23-20 3-24-20

Parameter	Units	Standard	SmarTROLL SN 643819	SmarTROLL SN 643819	SmarTROLL SN 643819	SmarTROLL SN 643819
DO	% saturation	100	95.5	95.1	95.6	96.2
Conductivity	us/cm	4490	4590	4585	4537	4590
pH	S.U.	4.00	4.20	4.23	4.29	4.30
pH	S.U.	7.00	7.13	7.11	7.13	7.16
pH	S.U.	10.00	9.81	9.78	9.69	9.94
ORP	mV	228.00	239.0	230.6	234.1	232.0

3-21-20 3-22-20 3-23-20 3-24-20

Turbidity	Units	Standard	LaMotte SN 390-011	LaMotte SN 390-148	LaMotte SN 390-011	LaMotte SN 390-148
	NTU	0.0	0.01	0.01	0.00	0.02
	NTU	1.0	1.02	0.83	0.85	1.04
	NTU	10.0	10.09	10.00	10.00	9.83

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

*E. COOMAN*

Instrument Calibration

Date: Time: *3-25-20 3-26-20 3-27-20*

Parameter	Units	Standard	SmartROLL SN <i>6432019</i>	SmartROLL SN <i>6432019</i>	SmartROLL SN <i>6432019</i>	SmartROLL SN _____
DO	% saturation	100	<i>96.1</i>	<i>95.0</i>	<i>95.9</i>	
Conductivity	us/cm	4490	<i>4677</i>	<i>4730</i>	<i>4600</i>	
pH	S.U.	4.00	<i>4.29</i>	<i>4.30</i>	<i>4.25</i>	
pH	S.U.	7.00	<i>7.17</i>	<i>7.17</i>	<i>7.17</i>	
pH	S.U.	10.00	<i>9.71</i>	<i>9.60</i>	<i>9.67</i>	
ORP	mV	228.00	<i>228.4</i>	<i>227.4</i>	<i>227.5</i>	

*3-25-20 3-26-20 3-27-20*

Turbidity	Units	Standard	LaMotte SN <i>7009-1116</i>	LaMotte SN <i>7009-1116</i>	LaMotte SN <i>7009-1116</i>	LaMotte SN _____
	NTU	0.0	<i>0.01</i>	<i>0.01</i>	<i>0.00</i>	
	NTU	1.0	<i>0.99</i>	<i>0.98</i>	<i>0.94</i>	
	NTU	10.0	<i>9.97</i>	<i>10.02</i>	<i>9.90</i>	

Date: Time:

Parameter	Units	Standard	SmartROLL SN _____	SmartROLL SN _____	SmartROLL SN _____	SmartROLL SN _____
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

Angelina Goumas

Instrument Calibration

Date: 3/17 Time: 0730 3/17 3/18 3/19 3/20 3/21

646773

Parameter	Units	Standard	SmarTROLL SN 646773	SmarTROLL SN 646773	SmarTROLL SN 646773	SmarTROLL SN 646773
DO	% saturation	100	90.8	91.5	92.8	92.7
Conductivity	us/cm	4490	4706	4285	4296	4081
pH	S.U.	4.00	4.52	4.49	4.48	4.25
pH	S.U.	7.00	7.07	7.29	7.27	7.16
pH	S.U.	10.00	10.03	10.05	10.08	9.96
ORP	mV	228.00	225.7	226.0	222.0	228.0

99.6  
4481  
4.47  
7.25  
10.05  
217.2

Turbidity	Units	Standard	LaMotte SN 6411	LaMotte SN 6411	LaMotte SN 6411	LaMotte SN 6411
	NTU	0.0	0	-0.01	0.16	0.08
	NTU	1.0	1.12	1.09	1.03	0.97
	NTU	10.0	9.83	9.98	9.79	9.56

Date: 3/22 Time: 3/22 3/23 3/24 3/25 3/26

646773

Parameter	Units	Standard	SmarTROLL SN 646773	SmarTROLL SN 646773	SmarTROLL SN 646773	SmarTROLL SN 646773
DO	% saturation	100	93.9	90.3	90.6	90.6
Conductivity	us/cm	4490	4497	4491	4429	4043
pH	S.U.	4.00	4.53	4.59	4.2	4.2
pH	S.U.	7.00	7.24	7.21	7.11	7.18
pH	S.U.	10.00	10.00	9.92	10.01	9.92
ORP	mV	228.00	218.1	221.7	219.6	215.1

90.2  
4049  
7.01  
7.19  
9.92  
214.4

Turbidity	Units	Standard	LaMotte SN 6411	LaMotte SN 6411	LaMotte SN 6411	LaMotte SN 6411
	NTU	0.0	0.07	1.26	0.10	0.53
	NTU	1.0	1.2	1.19	1.2	1.2
	NTU	10.0	9.87	9.56	9.57	9.76

0.11  
1.08  
7.85

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

DUPLICATE = NO DATE  
TIME

BLANK = TIME + DATE

Project Plant Scherer  
Field Staff

Instrument Calibration

Date: Time:

Parameter	Units	Standard	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____
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 _____	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____
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 A. McCLURE

Instrument Calibration

Date: 3/17/20 Time: 0730      0730      0730      0720  
 3/18/20      3/19/20      3/20/20

Parameter	Units	Standard	SmarTROLL SN 963068	SmarTROLL SN 963068	SmarTROLL SN 963068	SmarTROLL SN 963068
DO	% saturation	100	96.1	92.8	92.4	90.3
Conductivity	us/cm	4490	4344	4106	4094	4347
pH	S.U.	4.00	4.22	4.23	4.22	4.40
pH	S.U.	7.00	7.02	7.04	7.06	7.27
pH	S.U.	10.00	9.82	9.82	9.86	9.61
ORP	mV	228.00	233.7	234.0	230.2	218

Turbidity	Units	Standard	LaMotte SN 2283-2612	LaMotte SN 2283-2612	LaMotte SN 2283-2612	LaMotte SN <del>2283-2612</del> 2283-2612
	NTU	0.0	0.00	-0.01	0.00	0.00
	NTU	1.0	0.98	0.99	1.03	0.95
	NTU	10.0	10.01	10.00	10.00	10.00

Date:      Time:      1055      0725      0730      0730  
 3/23/20      3/24/20      3/25/20      3/26/20

Parameter	Units	Standard	SmarTROLL SN 963068	SmarTROLL SN 963068	SmarTROLL SN 963068	SmarTROLL SN 963068
DO	% saturation	100	92.5	92.6	96.8	96.7
Conductivity	us/cm	4490	4296	4215	4209	4223
pH	S.U.	4.00	4.41	4.42	4.41	4.46
pH	S.U.	7.00	7.13	7.15	7.14	7.16
pH	S.U.	10.00	9.80	9.81	9.82	9.80
ORP	mV	228.00	222.9	220.2	218.6	210.5

Turbidity	Units	Standard	LaMotte SN 2283-2612	LaMotte SN 2283-2612	LaMotte SN 2283-2612	LaMotte SN 2283-2612
	NTU	0.0	0.0	0.0	0.00	-0.01
	NTU	1.0	1.00	1.00	0.91	1.00
	NTU	10.0	9.98	10.00	10.01	9.99

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 *A. McClure*

Instrument Calibration

Date: \_\_\_\_\_ Time: *0730 3/27/20* *1100 3/27/20* *0730 3/21/20*

Parameter	Units	Standard	SmarTROLL SN <i>63068</i>	SmarTROLL SN <i>63068</i>	SmarTROLL SN <i>5068</i>	SmarTROLL SN _____
DO	% saturation	100	<i>97</i>	<i>96.6</i>	<i>99.0</i>	
Conductivity	us/cm	4490	<i>4219</i>	<i>4311</i>	<i>4286</i>	
pH	S.U.	4.00	<i>7.47</i>	<i>7.50</i>	<i>7.55</i>	
pH	S.U.	7.00	<i>7.15</i>	<i>7.17</i>	<i>7.15</i>	
pH	S.U.	10.00	<i>9.78</i>	<i>9.76</i>	<i>9.75</i>	
ORP	mV	228.00	<i>207.6</i>	<i>207.5</i>	<i>208.8</i>	

Turbidity	Units	Standard	LaMotte SN <i>2283-2612</i>	LaMotte SN <i>9009-110</i>	LaMotte SN <i>2283-1616</i>	LaMotte SN _____
	NTU	0.0	<i>0.00</i>	<i>0.00</i>	<i>0.01</i>	
	NTU	1.0	<i>0.93</i>	<i>0.99</i>	<i>0.96</i>	
	NTU	10.0	<i>9.97</i>	<i>10.01</i>	<i>9.99</i>	

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

Parameter	Units	Standard	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____
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 J. W. Aguiar

Instrument Calibration

Date: Time: 3/20 3/31

Parameter	Units	Standard	SmarTROLL SN 646773	SmarTROLL SN 646773	SmarTROLL SN _____	SmarTROLL SN _____
DO	% saturation	100	94.4%	92.5%		
Conductivity	us/cm	4490	466%	466%		
pH	S.U.	4.00	4.61	4.63		
pH	S.U.	7.00	7.16	7.15		
pH	S.U.	10.00	9.87	9.87		
ORP	mV	228.00	210	209.8		

Turbidity	Units	Standard	LaMotte SN 7009-196	LaMotte SN 7009-196	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	0.01		
	NTU	1.0	0.77	0.7%		
	NTU	10.0	12.11	9.9%		

Date: Time:

Parameter	Units	Standard	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____
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 C. Towell

Instrument Calibration

Date: Time: 3/30/20 3/31/20 4/1/20

Parameter	Units	Standard	SmarTROLL SN 649057	SmarTROLL SN 649057	SmarTROLL SN 649057	SmarTROLL SN _____
DO	% saturation	100	96.1	97.9	95.5	
Conductivity	us/cm	4490	4851	4329	4787	
pH	S.U.	4.00	4.58	4.38	4.62	
pH	S.U.	7.00	7.15	7.12	7.11	
pH	S.U.	10.00	9.77	9.74	9.82	
ORP	mV	228.00	226.8	226.1	235.0	

Turbidity	Units	Standard	LaMotte SN 1511-911	LaMotte SN 1511-911	LaMotte SN 1511-911	LaMotte SN _____
	NTU	0.0	6.22	0.12	0.18	
	NTU	1.0	6.79	0.58	1.00	
	NTU	10.0	10.61	9.25	9.85	

Date: Time:

Parameter	Units	Standard	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____	SmarTROLL SN _____
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

Product Name: Low-Flow System

Date: 2020-03-18 15:16:29

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 24.59 ft

Pump placement from TOC 24.59 ft

Well Information:

Well ID GWA-15  
Well diameter 2 in  
Well Total Depth 29.59 ft  
Screen Length 10 ft  
Depth to Water 9.6 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1993539 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.16 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	14:55:36	300.02	21.64	5.41	59.36	3.07	9.77	0.68	66.26
Last 5	15:00:36	600.01	20.04	5.41	60.41	1.40	9.77	0.49	61.07
Last 5	15:05:36	900.00	20.40	5.40	61.01	2.70	9.77	0.48	59.11
Last 5	15:10:36	1199.99	20.18	5.42	60.61	2.63	9.77	0.32	57.19
Last 5	15:15:36	1499.99	20.28	5.42	61.08	1.59	9.78	0.31	56.03
Variance 0			0.36	-0.00	0.61			-0.02	-1.96
Variance 1			-0.22	0.02	-0.41			-0.16	-1.92
Variance 2			0.10	-0.00	0.47			-0.01	-1.16

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 09:07:14

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 53 ft

Pump placement from TOC 53 ft

Well Information:

Well ID GWA-16  
Well diameter 2 in  
Well Total Depth 57.93 ft  
Screen Length 10 ft  
Depth to Water 29.82 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.447098 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.32 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:45:04	1799.98	17.14	6.28	119.72	6.63	29.93	6.10	61.71
Last 5	08:50:04	2099.97	17.14	6.29	119.89	6.30	29.93	6.00	61.17
Last 5	08:55:04	2399.96	17.23	6.27	120.34	6.06	29.93	5.93	62.38
Last 5	09:00:04	2699.95	17.31	6.26	120.59	6.00	29.93	5.88	62.01
Last 5	09:05:04	2999.94	17.28	6.29	120.65	4.63	29.93	5.86	61.11
Variance 0			0.09	-0.02	0.45			-0.07	1.21
Variance 1			0.08	-0.01	0.24			-0.05	-0.38
Variance 2			-0.03	0.03	0.06			-0.02	-0.89

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 08:54:49

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 41.76 ft

Pump placement from TOC 41.76 ft

Well Information:

Well ID GWA-17  
Well diameter 2 in  
Well Total Depth 46.76 ft  
Screen Length 10 ft  
Depth to Water 30.55 ft

Pumping Information:

Final Pumping Rate 225 mL/min  
Total System Volume 0.4013925 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.32 in  
Total Volume Pumped 7.9 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:31:11	899.99	17.83	5.96	87.52	7.74	30.66	7.01	82.50
Last 5	08:36:11	1199.98	17.86	5.99	89.76	7.02	30.66	6.95	80.17
Last 5	08:41:11	1499.97	17.90	6.00	90.63	6.23	30.66	6.89	79.02
Last 5	08:46:11	1799.97	17.92	6.02	92.18	4.83	30.66	6.84	77.86
Last 5	08:51:10	2099.96	17.95	6.03	93.32	4.74	30.66	6.80	77.38
Variance 0			0.04	0.01	0.87			-0.05	-1.15
Variance 1			0.02	0.02	1.55			-0.05	-1.16
Variance 2			0.02	0.01	1.13			-0.04	-0.48

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 11:17:00

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 33 ft

Pump placement from TOC 33 ft

Well Information:

Well ID GWC-1  
Well diameter 2 in  
Well Total Depth 38.72 ft  
Screen Length 10 ft  
Depth to Water 6.57 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.237293 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 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	10:56:21	300.02	17.63	6.49	189.42	0.62	6.81	5.36	68.26
Last 5	11:01:21	600.01	17.63	6.52	190.05	0.56	6.81	5.36	67.16
Last 5	11:06:21	900.01	17.68	6.52	189.92	0.40	6.81	5.34	66.85
Last 5	11:11:21	1199.99	17.81	6.53	190.48	0.33	6.81	5.35	66.36
Last 5	11:16:21	1499.99	18.11	6.53	190.28	0.21	6.81	5.36	65.86
Variance 0			0.05	0.00	-0.13			-0.01	-0.31
Variance 1			0.13	0.00	0.55			0.01	-0.49
Variance 2			0.30	-0.00	-0.19			0.00	-0.50

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 11:34:46

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 52 ft

Pump placement from TOC 52 ft

Well Information:

Well ID GWC-2  
Well diameter 2 in  
Well Total Depth 58.74 ft  
Screen Length 10 ft  
Depth to Water 10.45 ft

Pumping Information:

Final Pumping Rate 250 mL/min  
Total System Volume 0.322098 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 21.12 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%	+/- 5		+/- 10%	+/- 10
Last 5	11:12:24	1199.99	19.18	6.44	183.78	0.95	12.20	3.35	62.02
Last 5	11:17:24	1499.98	19.42	6.42	183.86	1.02	12.20	3.53	62.00
Last 5	11:22:24	1799.97	19.34	6.41	184.83	0.78	12.21	3.83	64.08
Last 5	11:27:24	2099.96	19.24	6.43	185.16	0.94	12.21	3.90	61.60
Last 5	11:32:24	2399.95	19.24	6.41	184.86	0.83	12.21	3.91	63.16
Variance 0			-0.08	-0.02	0.98			0.30	2.09
Variance 1			-0.10	0.02	0.33			0.07	-2.48
Variance 2			-0.00	-0.02	-0.30			0.00	1.56

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 10:08:31

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 45 ft

Pump placement from TOC 45 ft

Well Information:

Well ID GWC-3  
Well diameter 2 in  
Well Total Depth 50.16 ft  
Screen Length 10 ft  
Depth to Water 29.08 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.415854 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 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	09:46:37	300.03	18.17	5.91	78.93	6.00	29.33	6.44	53.79
Last 5	09:51:37	600.01	18.26	5.86	79.04	5.45	29.33	6.31	52.41
Last 5	09:56:37	900.00	18.30	5.88	79.27	5.29	29.33	6.25	51.18
Last 5	10:01:37	1199.99	18.53	5.90	79.34	4.43	29.33	6.40	49.81
Last 5	10:06:38	1500.98	18.37	5.90	80.01	3.73	29.33	6.40	50.49
Variance 0			0.04	0.02	0.23			-0.07	-1.23
Variance 1			0.23	0.03	0.07			0.15	-1.36
Variance 2			-0.16	-0.00	0.67			0.01	0.68

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 08:59:44

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 38.41 ft

Pump placement from TOC 38.41 ft

Well Information:

Well ID GWC-4  
Well diameter 2 in  
Well Total Depth 43.41 ft  
Screen Length 10 ft  
Depth to Water 28.91 ft

Pumping Information:

Final Pumping Rate 240 mL/min  
Total System Volume 0.3864401 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.6 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:37:21	300.06	17.10	6.59	176.53	3.70	29.42	4.71	236.83
Last 5	08:42:21	600.01	17.10	6.41	176.20	2.12	29.44	4.32	242.96
Last 5	08:47:21	900.00	17.14	6.36	175.72	1.91	29.45	4.19	242.43
Last 5	08:52:21	1199.99	17.19	6.34	174.90	1.26	29.46	4.08	245.45
Last 5	08:57:21	1499.99	17.15	6.32	174.51	1.13	29.46	4.03	252.51
Variance 0			0.04	-0.05	-0.48			-0.13	-0.53
Variance 1			0.05	-0.02	-0.82			-0.10	3.02
Variance 2			-0.04	-0.01	-0.40			-0.05	7.07

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-18 12:07:33

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 29.0 ft

Pump placement from TOC 29.0 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 34.16 ft  
Screen Length 10 ft  
Depth to Water 15.73 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.2194393 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.2 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	11:45:40	300.05	19.40	5.82	647.02	0.59	15.83	3.10	77.51
Last 5	11:50:40	600.01	19.46	5.82	648.06	0.75	15.83	3.00	77.42
Last 5	11:55:40	900.00	19.46	5.81	646.20	1.01	15.83	3.05	77.73
Last 5	12:00:40	1199.99	19.46	5.81	647.89	0.66	15.83	3.00	77.74
Last 5	12:05:40	1499.98	19.48	5.81	649.94	0.80	15.83	2.97	78.12
Variance 0			-0.00	-0.00	-1.86			0.05	0.31
Variance 1			0.00	0.00	1.69			-0.05	0.01
Variance 2			0.02	-0.00	2.06			-0.03	0.38

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 14:02:30

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .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 35.65 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.4069272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.36 in  
Total Volume Pumped 17.1 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	13:39:54	4499.90	20.15	6.20	167.55	7.45	36.68	6.69	80.09
Last 5	13:44:54	4799.89	20.27	6.20	166.62	7.63	36.68	6.65	80.33
Last 5	13:49:54	5099.88	20.33	6.20	166.39	6.42	36.68	6.63	80.46
Last 5	13:54:54	5399.88	20.38	6.20	165.90	5.61	36.68	6.61	81.63
Last 5	13:59:54	5699.87	20.45	6.19	165.42	4.94	35.68	6.60	81.94
Variance 0			0.06	0.00	-0.24			-0.02	0.13
Variance 1			0.05	-0.00	-0.49			-0.02	1.18
Variance 2			0.07	-0.01	-0.48			-0.01	0.31

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 10:10:50

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 53 ft

Pump placement from TOC 53 ft

Well Information:

Well ID GWC-7  
Well diameter 2 in  
Well Total Depth 58.72 ft  
Screen Length 10 ft  
Depth to Water 40.46 ft

Pumping Information:

Final Pumping Rate 220 mL/min  
Total System Volume 0.4515614 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.52 in  
Total Volume Pumped 5.5 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	09:47:31	300.04	17.84	6.50	158.22	9.66	40.88	6.53	313.77
Last 5	09:52:31	600.01	17.86	6.43	157.92	8.64	40.92	6.40	318.11
Last 5	09:57:31	900.00	17.77	6.42	158.09	5.79	40.92	6.40	322.27
Last 5	10:02:31	1200.00	17.92	6.41	157.71	4.39	40.92	6.38	326.77
Last 5	10:07:31	1499.99	18.03	6.41	157.63	3.64	40.92	6.35	335.94
Variance 0			-0.09	-0.01	0.17			0.01	4.16
Variance 1			0.16	-0.01	-0.38			-0.02	4.50
Variance 2			0.10	-0.00	-0.08			-0.03	9.16

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 08:46:33

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 42.5 ft

Pump placement from TOC 42.5 ft

Well Information:

Well ID GWC-8A  
Well diameter 2 in  
Well Total Depth 47.50 ft  
Screen Length 10 ft  
Depth to Water 21.43 ft

Pumping Information:

Final Pumping Rate 175 mL/min  
Total System Volume 0.2796955 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:22:57	300.06	17.32	6.42	508.86	2.46	21.80	0.38	191.30
Last 5	08:27:57	600.01	17.69	6.40	494.53	1.20	21.80	0.28	186.35
Last 5	08:32:57	900.01	17.84	6.41	491.83	0.76	21.78	0.27	181.79
Last 5	08:37:57	1200.00	17.86	6.42	491.63	0.66	21.78	0.24	177.90
Last 5	08:42:57	1499.98	17.96	6.42	492.05	0.98	21.78	0.19	174.39
Variance 0			0.15	0.01	-2.69			-0.02	-4.56
Variance 1			0.01	0.01	-0.20			-0.03	-3.89
Variance 2			0.10	-0.00	0.42			-0.04	-3.51

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 09:53:53

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 15 ft

Pump placement from TOC 15 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 20.25 ft  
Screen Length 10 ft  
Depth to Water 6.48 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1569514 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.36 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	09:31:07	300.03	15.71	6.79	172.37	1.08	6.97	1.94	184.37
Last 5	09:36:07	600.01	15.68	6.69	172.80	0.80	6.99	1.94	203.48
Last 5	09:41:07	900.00	15.65	6.63	173.61	0.70	7.00	1.93	219.62
Last 5	09:46:07	1199.99	15.75	6.61	173.99	0.89	7.00	1.92	234.98
Last 5	09:51:07	1499.99	15.80	6.61	174.45	0.94	7.01	1.87	250.64
Variance 0			-0.03	-0.06	0.81			-0.01	16.14
Variance 1			0.10	-0.02	0.39			-0.01	15.36
Variance 2			0.05	0.00	0.46			-0.05	15.66

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 11:08:45

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .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 40.63 ft  
Screen Length 10 ft  
Depth to Water 9.63 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2462198 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.88 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%	+/- 5		+/- 10%	+/- 10
Last 5	10:46:11	900.00	19.01	6.37	199.61	0.39	9.87	1.31	395.97
Last 5	10:51:11	1199.99	19.01	6.36	200.59	0.58	9.88	1.18	430.55
Last 5	10:56:11	1499.99	18.95	6.35	201.49	0.44	9.87	1.02	450.96
Last 5	11:01:11	1799.98	19.26	6.34	201.14	1.15	9.87	0.99	463.79
Last 5	11:06:11	2099.97	19.12	6.34	199.40	0.64	9.87	0.93	487.39
Variance 0			-0.07	-0.01	0.89			-0.16	20.41
Variance 1			0.31	-0.01	-0.35			-0.03	12.83
Variance 2			-0.14	-0.00	-1.74			-0.06	23.59

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 14:02:48

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 30 ft

Pump placement from TOC 30 ft

Well Information:

Well ID GWC-11  
Well diameter 2 in  
Well Total Depth 34.59 ft  
Screen Length 10 ft  
Depth to Water 16.4 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.8 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	13:40:16	300.02	21.71	6.18	142.62	0.75	16.54	1.32	57.35
Last 5	13:45:16	600.01	21.24	6.18	144.43	0.89	16.54	1.05	55.40
Last 5	13:50:16	900.00	21.07	6.17	144.70	0.85	16.54	0.95	54.85
Last 5	13:55:16	1199.99	21.11	6.16	144.34	0.67	16.54	0.90	54.45
Last 5	14:00:16	1499.98	20.92	6.17	143.24	0.38	16.55	0.89	53.60
Variance 0			-0.17	-0.01	0.27			-0.10	-0.55
Variance 1			0.04	-0.01	-0.36			-0.05	-0.40
Variance 2			-0.19	0.01	-1.10			-0.01	-0.84

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 09:52:10

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 33.0 ft

Pump placement from TOC 33.0 ft

Well Information:

Well ID GWC-12  
Well diameter 2 in  
Well Total Depth 37.82 ft  
Screen Length 10 ft  
Depth to Water 22.44 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.237293 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.36 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	09:29:11	300.05	16.94	5.12	35.82	8.58	22.70	2.41	70.60
Last 5	09:34:11	600.02	17.04	5.15	32.15	4.47	22.71	2.66	67.11
Last 5	09:39:11	900.01	17.08	5.17	31.47	3.77	22.70	2.92	65.45
Last 5	09:44:11	1200.01	17.17	5.18	30.75	2.11	22.71	3.14	65.46
Last 5	09:49:11	1500.01	17.19	5.19	30.42	1.67	22.72	3.17	65.00
Variance 0			0.04	0.02	-0.69			0.26	-1.66
Variance 1			0.08	0.01	-0.71			0.23	0.02
Variance 2			0.02	0.01	-0.33			0.03	-0.46

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-18 15:00:41

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 38 ft

Pump placement from TOC 38 ft

Well Information:

Well ID GWC-13  
Well diameter 2 in  
Well Total Depth 44.20 ft  
Screen Length 10 ft  
Depth to Water 28.01 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.2596101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.2 in  
Total Volume Pumped 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%	+/- 5		+/- 10%	+/- 10
Last 5	14:39:58	600.01	20.68	5.80	129.48	0.84	28.11	6.52	71.44
Last 5	14:44:58	900.00	20.68	5.80	129.06	0.89	28.11	6.48	71.82
Last 5	14:49:58	1199.99	20.35	5.78	128.39	0.76	28.11	6.56	75.07
Last 5	14:54:58	1499.98	20.31	5.79	127.94	0.53	28.11	6.53	76.05
Last 5	14:59:58	1799.97	19.99	5.81	126.48	0.38	28.11	6.48	74.34
Variance 0			-0.33	-0.01	-0.67			0.08	3.25
Variance 1			-0.04	0.00	-0.44			-0.02	0.98
Variance 2			-0.31	0.02	-1.46			-0.05	-1.71

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 15:59:45

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 22 ft

Pump placement from TOC 22 ft

Well Information:

Well ID GWC-14  
Well diameter 2 in  
Well Total Depth 27.5 ft  
Screen Length 10 ft  
Depth to Water 11.57 ft

Pumping Information:

Final Pumping Rate 275 mL/min  
Total System Volume 0.1881953 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.84 in  
Total Volume Pumped 8.25 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%	+/- 5		+/- 10%	+/- 10
Last 5	15:36:19	600.01	19.96	5.62	73.89	0.88	11.64	2.70	74.02
Last 5	15:41:19	900.00	19.94	5.61	74.24	0.53	11.64	2.59	72.65
Last 5	15:46:19	1199.99	19.82	5.61	74.84	0.46	11.64	2.55	70.68
Last 5	15:51:19	1499.98	19.57	5.62	76.19	0.45	11.64	2.49	69.91
Last 5	15:56:19	1799.97	19.55	5.61	76.44	0.45	11.64	2.40	68.98
Variance 0			-0.12	0.00	0.60			-0.05	-1.97
Variance 1			-0.25	0.00	1.34			-0.06	-0.77
Variance 2			-0.02	-0.01	0.25			-0.09	-0.93

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-18 16:58:08

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .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 32.79 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.5107018 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.92 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%	+/- 5		+/- 10%	+/- 10
Last 5	16:35:49	1799.98	20.07	6.31	120.79	6.41	33.20	6.79	79.39
Last 5	16:40:49	2099.97	19.77	6.31	120.76	6.19	33.20	6.76	80.12
Last 5	16:45:49	2399.96	19.80	6.31	120.55	5.62	33.20	6.67	80.28
Last 5	16:50:49	2699.95	19.81	6.32	121.00	5.39	33.20	6.57	80.37
Last 5	16:55:49	2999.94	19.93	6.32	120.94	4.59	33.20	6.51	80.33
Variance 0			0.03	0.00	-0.21			-0.09	0.16
Variance 1			0.02	0.00	0.46			-0.10	0.09
Variance 2			0.12	0.00	-0.06			-0.07	-0.03

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 09:47:43

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 57.75 ft

Pump placement from TOC 57.75 ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 62.75 ft  
Screen Length 10 ft  
Depth to Water 33.72 ft

Pumping Information:

Final Pumping Rate 105 mL/min  
Total System Volume 0.4727627 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 8.16 in  
Total Volume Pumped 5.8 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%	+/- 5		+/- 10%	+/- 10
Last 5	09:26:37	2099.99	18.23	6.26	148.07	7.74	34.40	6.77	62.57
Last 5	09:31:37	2399.98	18.22	6.25	147.95	7.04	34.40	6.69	62.42
Last 5	09:36:37	2699.97	18.30	6.26	147.78	5.60	34.40	6.60	61.88
Last 5	09:41:37	2999.97	18.39	6.27	147.79	5.28	34.40	6.54	61.65
Last 5	09:46:37	3299.96	18.52	6.27	147.65	4.75	34.40	6.47	61.65
Variance 0			0.08	0.01	-0.17			-0.09	-0.55
Variance 1			0.09	0.01	0.01			-0.06	-0.23
Variance 2			0.13	0.01	-0.13			-0.07	0.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 11:27:21

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 67.70 ft

Pump placement from TOC 67.70 ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 72.70 ft  
Screen Length 10 ft  
Depth to Water 41.46 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.5171737 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.28 in  
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:05:39	2399.97	19.43	6.48	138.26	8.23	41.65	7.15	57.19
Last 5	11:10:39	2699.97	19.56	6.48	138.04	6.03	41.65	7.13	57.69
Last 5	11:15:39	2999.96	19.71	6.47	137.74	5.48	41.65	7.05	57.57
Last 5	11:20:39	3299.96	19.72	6.48	137.65	5.17	41.65	7.03	57.37
Last 5	11:25:39	3599.95	19.89	6.47	137.86	4.37	41.65	7.09	57.73
Variance 0			0.14	-0.01	-0.30			-0.08	-0.11
Variance 1			0.01	0.01	-0.08			-0.03	-0.20
Variance 2			0.17	-0.01	0.20			0.06	0.36

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 09:03:04

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 15 ft

Pump placement from TOC 15 ft

Well Information:

Well ID GWA-21  
Well diameter 2 in  
Well Total Depth 20.6 ft  
Screen Length 10 ft  
Depth to Water 2.10 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1569514 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.88 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:42:07	600.01	15.99	5.82	140.39	1.51	3.33	3.25	95.42
Last 5	08:47:07	900.00	16.00	5.81	138.67	0.93	3.34	3.17	91.06
Last 5	08:52:07	1199.99	16.13	5.82	138.55	0.87	3.34	3.12	87.58
Last 5	08:57:07	1499.98	16.20	5.82	138.28	0.54	3.34	3.06	85.98
Last 5	09:02:07	1799.97	16.16	5.81	137.76	0.68	3.34	3.02	84.51
Variance 0			0.12	0.01	-0.12			-0.06	-3.48
Variance 1			0.08	-0.00	-0.27			-0.06	-1.60
Variance 2			-0.05	-0.00	-0.53			-0.04	-1.47

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 10:10:45

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 37 ft

Pump placement from TOC 37 ft

Well Information:

Well ID GWA-22  
Well diameter 2 in  
Well Total Depth 42.5 ft  
Screen Length 10 ft  
Depth to Water 20.15 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2551467 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.52 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%	+/- 5		+/- 10%	+/- 10
Last 5	09:48:29	600.01	18.08	6.15	110.82	1.67	20.35	4.13	74.27
Last 5	09:53:29	900.00	18.06	6.15	111.03	2.01	20.36	4.03	73.98
Last 5	09:58:29	1199.99	17.99	6.15	111.26	1.89	20.36	3.96	73.60
Last 5	10:03:29	1499.98	18.20	6.15	111.51	1.54	20.36	4.00	73.40
Last 5	10:08:29	1799.97	18.38	6.14	111.41	0.96	20.36	3.91	73.38
Variance 0			-0.07	0.00	0.23			-0.06	-0.38
Variance 1			0.21	-0.00	0.26			0.04	-0.20
Variance 2			0.19	-0.00	-0.10			-0.09	-0.02

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 14:17:21

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 31 ft

Pump placement from TOC 31 ft

Well Information:

Well ID GWA-45  
Well diameter 2 in  
Well Total Depth 36 ft  
Screen Length 10 ft  
Depth to Water 11.80 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2283661 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.6 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%	+/- 5		+/- 10%	+/- 10
Last 5	13:55:02	600.01	21.16	6.45	482.53	1.72	12.34	0.48	95.48
Last 5	14:00:02	900.00	20.80	6.45	480.43	1.48	12.35	0.38	92.44
Last 5	14:05:02	1199.99	20.53	6.46	476.61	1.04	12.35	0.32	91.85
Last 5	14:10:02	1499.98	20.35	6.45	480.60	1.18	12.35	0.33	89.91
Last 5	14:15:02	1799.97	20.96	6.46	475.18	0.93	12.35	0.33	87.27
Variance 0			-0.26	0.01	-3.82			-0.06	-0.60
Variance 1			-0.18	-0.00	3.99			0.00	-1.94
Variance 2			0.61	0.00	-5.42			0.00	-2.64

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-19 17:10:41

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .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 ft  
Screen Length 10 ft  
Depth to Water 30.03 ft

Pumping Information:

Final Pumping Rate 260 mL/min  
Total System Volume 0.4024638 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6 in  
Total Volume Pumped 27.3 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	16:47:23	5106.89	18.97	5.93	76.97	6.43	30.52	2.58	304.87
Last 5	16:52:23	5406.89	18.88	5.93	77.23	5.56	30.53	2.60	308.88
Last 5	16:57:23	5706.88	18.79	5.94	76.69	5.19	30.53	2.59	312.46
Last 5	17:02:24	6007.87	18.78	5.93	76.88	5.87	30.53	2.60	318.48
Last 5	17:07:24	6307.85	18.88	5.93	77.03	4.74	30.53	2.59	323.09
Variance 0			-0.09	0.01	-0.55			-0.01	3.58
Variance 1			-0.01	-0.00	0.19			0.01	6.02
Variance 2			0.10	-0.00	0.15			-0.00	4.61

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 17:23:08

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .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 39.02 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4426346 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18.48 in  
Total Volume Pumped 26.25 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%	+/- 5		+/- 10%	+/- 10
Last 5	17:00:26	9299.83	20.26	6.41	123.71	32.60	40.56	4.10	77.20
Last 5	17:05:26	9599.82	20.19	6.41	123.88	30.60	40.56	4.14	77.05
Last 5	17:10:26	9899.81	20.35	6.42	123.83	23.50	40.56	4.12	77.13
Last 5	17:15:26	10199.81	20.45	6.42	124.22	20.10	40.56	4.12	76.85
Last 5	17:20:26	10499.80	20.31	6.42	123.96	25.50	40.56	4.11	77.07
Variance 0			0.16	0.01	-0.05			-0.02	0.08
Variance 1			0.10	0.01	0.39			-0.00	-0.28
Variance 2			-0.14	0.00	-0.26			-0.00	0.22

Notes

Did not collect sampled due to high turbidity

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-20 10:57:48

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .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 39.02 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4426346 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 11.52 in  
Total Volume Pumped 36 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	10:24:11	2699.97	19.11	6.39	124.30	8.99	39.98	4.30	54.90
Last 5	10:29:11	2999.96	18.97	6.40	124.10	10.26	39.98	4.30	54.75
Last 5	10:34:11	3299.95	19.06	6.40	124.29	9.25	39.98	4.29	54.68
Last 5	10:39:11	3599.94	19.28	6.40	124.25	9.71	39.98	4.30	54.50
Last 5	10:44:11	3899.95	19.24	6.39	123.95	9.54	39.98	4.29	55.30
Variance 0			0.09	0.00	0.19			-0.01	-0.08
Variance 1			0.22	0.00	-0.04			0.00	-0.18
Variance 2			-0.04	-0.01	-0.29			-0.01	0.80

Notes

Final NTU = 9.54, collected a filtered metals bottle and non-filtered metals bottle.

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 14:13:10

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED Well Wizard  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 68.92 ft

Pump placement from TOC 68.92 ft

Well Information:

Well ID GWA-48  
Well diameter 2 in  
Well Total Depth 73.92 ft  
Screen Length 10 ft  
Depth to Water 36.05 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.7926192 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 15 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	13:51:00	300.03	21.94	6.66	129.42	1.87	37.30	5.48	70.21
Last 5	13:56:00	600.02	21.55	6.70	128.05	1.08	37.30	5.38	70.20
Last 5	14:01:00	900.01	21.30	6.72	127.92	1.06	37.30	5.24	70.04
Last 5	14:06:00	1200.01	21.14	6.72	127.90	1.34	37.30	5.26	70.33
Last 5	14:11:00	1500.00	21.39	6.73	128.78	2.11	37.30	5.16	69.87
Variance 0			-0.26	0.02	-0.14			-0.14	-0.16
Variance 1			-0.16	0.00	-0.02			0.02	0.29
Variance 2			0.25	0.01	0.88			-0.10	-0.46

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 11:35:51

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 36 ft

Pump placement from TOC 36 ft

Well Information:

Well ID GWA-49  
Well diameter 2 in  
Well Total Depth 41 ft  
Screen Length 10 ft  
Depth to Water 7.46 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2506832 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.8 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%	+/- 5		+/- 10%	+/- 10
Last 5	11:10:28	900.00	18.85	6.87	155.93	1.13	7.86	6.97	62.01
Last 5	11:15:28	1199.99	18.96	6.88	154.66	1.06	7.86	6.90	61.96
Last 5	11:20:28	1499.98	19.10	6.88	154.84	0.68	7.86	6.92	61.76
Last 5	11:25:28	1799.97	19.28	6.87	154.56	0.90	7.86	6.87	62.58
Last 5	--	--	--	--	--	--	--	--	--
Variance 0			0.15	-0.00	0.18			0.02	-0.20
Variance 1			0.17	-0.01	-0.28			-0.05	0.82
Variance 2			0.06	0.01	1.05			-0.02	-0.47

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 13:10:02

Project Information:

Operator Name K. Coolman  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .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 27.0 ft  
Screen Length 10 ft  
Depth to Water 5.43 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.1881953 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.04 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	12:48:54	300.03	21.19	5.99	167.49	0.93	5.60	0.40	63.64
Last 5	12:53:54	600.01	20.24	5.97	169.78	0.90	5.60	0.32	63.52
Last 5	12:58:54	900.01	20.07	5.97	169.80	0.80	5.60	0.28	65.14
Last 5	13:03:54	1200.00	20.04	5.97	170.67	0.75	5.60	0.27	66.87
Last 5	13:08:54	1499.99	20.25	5.97	170.22	0.61	5.60	0.26	69.13
Variance 0			-0.16	0.00	0.02			-0.03	1.62
Variance 1			-0.03	-0.01	0.87			-0.02	1.73
Variance 2			0.21	-0.00	-0.45			-0.01	2.26

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 13:05:40

Project Information:

Operator Name A. Howard  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 31 ft

Pump placement from TOC 31 ft

Well Information:

Well ID GWC-50  
Well diameter 2 in  
Well Total Depth 36.30 ft  
Screen Length 10 ft  
Depth to Water 8.24 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2283661 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.84 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	12:42:45	600.01	21.40	5.80	91.21	1.17	8.55	0.43	116.93
Last 5	12:47:45	900.00	21.06	5.79	91.69	0.96	8.56	0.34	130.62
Last 5	12:52:45	1199.98	21.15	5.78	91.99	0.63	8.56	0.29	144.30
Last 5	12:57:45	1499.98	20.93	5.78	92.07	0.67	8.56	0.27	142.35
Last 5	13:02:45	1799.97	21.04	5.78	92.32	0.34	8.56	0.28	136.08
Variance 0			0.09	-0.00	0.30			-0.04	13.68
Variance 1			-0.22	-0.01	0.08			-0.02	-1.95
Variance 2			0.12	0.00	0.25			0.01	-6.27

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 11:31:33

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .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 26.8 ft  
Screen Length 10 ft  
Depth to Water 8.43 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1837319 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 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%	+/- 5		+/- 10%	+/- 10
Last 5	11:09:41	900.01	19.72	5.93	95.03	4.62	8.66	0.14	393.30
Last 5	11:14:41	1199.99	19.83	5.92	94.89	5.55	8.67	0.12	428.63
Last 5	11:19:41	1499.99	19.90	5.91	94.85	6.11	8.67	0.11	460.01
Last 5	11:24:41	1799.98	20.08	5.90	94.42	5.44	8.68	0.10	484.25
Last 5	11:29:41	2099.97	20.29	5.90	94.40	4.72	8.68	0.10	502.41
Variance 0			0.06	-0.01	-0.04			-0.01	31.38
Variance 1			0.18	-0.01	-0.43			-0.01	24.24
Variance 2			0.21	0.01	-0.02			-0.00	18.16

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-19 13:02:40

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 27.5 ft

Pump placement from TOC 27.5 ft

Well Information:

Well ID GWC-52  
Well diameter 2 in  
Well Total Depth 32.8 ft  
Screen Length 10 ft  
Depth to Water 9.01 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2127441 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.4 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%	+/- 5		+/- 10%	+/- 10
Last 5	12:40:05	900.00	21.18	6.62	218.00	5.00	9.21	0.16	624.67
Last 5	12:45:05	1200.02	21.19	6.63	216.40	6.95	9.21	0.16	634.06
Last 5	12:50:05	1500.00	21.42	6.64	215.23	3.21	9.21	0.15	640.51
Last 5	12:55:05	1799.98	21.40	6.64	214.77	0.67	9.21	0.14	643.94
Last 5	13:00:05	2099.97	20.80	6.64	214.54	1.18	9.21	0.14	646.12
Variance 0			0.22	0.00	-1.17			-0.01	6.45
Variance 1			-0.02	0.00	-0.47			-0.01	3.43
Variance 2			-0.60	0.00	-0.23			-0.01	2.18

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 14:19:11

Project Information:

Operator Name A. McClure  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 463068  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 27.5 ft

Pump placement from TOC 27.5 ft

Well Information:

Well ID GWC-53  
Well diameter 2 in  
Well Total Depth 32.8 ft  
Screen Length 10 ft  
Depth to Water 9.04 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2127441 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.8 in  
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:53:44	1199.99	19.90	5.68	451.03	5.76	9.45	0.36	656.41
Last 5	13:58:45	1500.99	19.94	5.66	448.78	1.11	9.45	0.32	652.98
Last 5	14:03:45	1800.98	20.08	5.64	448.37	0.28	9.45	0.30	648.72
Last 5	14:08:45	2100.97	19.99	5.65	448.21	0.04	9.44	0.29	646.96
Last 5	14:13:45	2401.27	20.56	5.65	453.37	0.23	9.44	0.29	645.75
Variance 0			0.13	-0.02	-0.41			-0.02	-4.26
Variance 1			-0.09	0.00	-0.16			-0.01	-1.76
Variance 2			0.58	0.00	5.16			0.00	-1.21

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 12:26:21

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

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

Well Information:

Well ID SWA-1  
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%	+/- 5		+/- 10%	+/- 10
Last 5	12:23:43	60.09	24.67	7.98	247.05	5.00	0.00	8.61	129.96
Last 5	12:24:43	120.02	24.72	7.98	247.28	--	--	8.61	129.43
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.05	-0.00	0.23			0.00	-0.53
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Surface water  
Surface

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 14:29:20

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

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

Well Information:

Well ID SWA-2  
Well diameter 2 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 120 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%	+/- 5		+/- 10%	+/- 10
Last 5	14:28:12	120.04	19.50	6.80	268.29	5.07	0.00	8.80	83.46
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: 2020-03-30 14:15:35

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 120 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%	+/- 5		+/- 10%	+/- 10
Last 5	14:13:36	120.03	19.79	6.96	275.68	4.62	0.00	8.60	87.65
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

Surface water

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 13:08:51

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 90 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%	+/- 5		+/- 10%	+/- 10
Last 5	13:07:10	90.03	20.22	7.24	298.01	4.93	0.00	8.35	95.43
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

Surface water

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 12:47:29

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 90 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%	+/- 5		+/- 10%	+/- 10
Last 5	12:46:23	90.03	21.73	7.23	438.50	4.59	0.00	10.10	108.10
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

Surface water

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 13:34:16

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 120 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%	+/- 5		+/- 10%	+/- 10
Last 5	13:30:52	120.03	19.93	7.37	119.93	11.20	0.00	8.77	70.51
Last 5	13:32:52	240.02	19.75	7.38	120.86	11.20	0.00	8.87	71.52
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.18	0.01	0.93			0.10	1.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Surface water

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-30 13:44:57

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 120 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%	+/- 5		+/- 10%	+/- 10
Last 5	13:42:55	120.03	19.39	7.41	227.30	6.18	0.00	9.16	87.39
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

Surface water

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-30 15:38:39

Project Information:

Operator Name Christopher Tidwell  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type  
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 120 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%	+/- 5		+/- 10%	+/- 10
Last 5	14:48:04	120.03	20.15	6.77	356.18	4.16	0.00	7.99	76.10
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

Surface water

Grab Samples

**APPENDIX A**  
**FIELD DATA FORMS**  
**SEPTEMBER 2020**

Sept 2020

November 2019

## Daily Calibration Log

09137523

Project: Elm Station

Field Staff: K. Uekawa, C. Thomas, J. Waggoner, A. Yelland

## Ingyuan Calibration

Parameter	Units	Standard	Date: 9/21/20			
			Time: 7:57	8:04	8:16	8:26
DO	% saturation	100	SmartROLL SN 645876 IPad # 90	SmartROLL SN 645877 IPad # 90	SmartROLL SN 645877 IPad # 90	SmartROLL SN 645872 IPad # 90
Conductivity	µmhos/cm	4400	4100	4151	4173	4112
pH	5.0	4.00	4.12	4.13	4.13	4.12
pH	5.0	7.00	7.04	7.03	7.03	7.04
pH	5.0	10.00	9.94	9.93	9.94	9.93
ORP	mV	2800	2737	2724	2712	2712
Turbidity	Units	Standard	LalMond SH 1007-9811	LalMond SH 1007-9811	LalMond SH 1007-9811	LalMond SH 1007-9811
	NTU	0	0.01	0.01	0.01	0.01
	NTU	100	9.99	9.98	9.97	9.96
	NTU	100	9.93	9.93	9.70	9.71

Parameter	Units	Standard	Date: 9/21/20			
			Time: 7:11	7:11	7:11	7:11
DO	% saturation	100	SmartROLL SN 645874 IPad # 90	SmartROLL SN 645874 IPad # 90	SmartROLL SN 645874 IPad # 90	SmartROLL SN 645874 IPad # 90
Conductivity	µmhos/cm	4400	4172			
pH	5.0	4.00	4.11			
pH	5.0	7.00	7.01			
pH	5.0	10.00	9.91			
ORP	mV	2800	2721			
Turbidity	Units	Standard	LalMond SH 1007-9811	LalMond SH	LalMond SH	LalMond SH
	NTU	0	0.01			
	NTU	10	10.02			
	NTU	100	9.93			

Note: DO = Dissolved Oxygen, µmhos = micro-mhos/cm, mV = millivolts, pH = potential, NTU = nephelometric turbidity units, N/A = Not available

Daily Calibration Log

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

Instrument Calibration

Date: 09/09/20 09/10/20 09/11/20 09/14/20  
Time: 07:50 08:00 07:53 09:19

Parameter	Units	Standard	SmarTROLL SN 513028 iPad # 93	SmarTROLL SN 513028 iPad # 93	SmarTROLL SN 513028 iPad # 93	SmarTROLL SN 513028 iPad # 93
DO	% saturation	100	102.4	104.4	102.2	102.9
Conductivity	us/cm	4490	4482	4479	4387	4229
pH	S.U.	4.00	4.23	4.17	4.18	4.23
pH	S.U.	7.00	7.06	7.05	7.04	7.06
pH	S.U.	10.00	9.93	9.91	9.92	9.92
ORP	mV	228.00	221.8	221.8	221.2	219.8

Turbidity	Units	Standard	LaMotte SN 2984-0913	LaMotte SN 2984-0913	LaMotte SN 2984-0913	LaMotte SN 2984-0913
	NTU	0.0	0.01	0.01	0.0	0.01
	NTU	1.0	0.99	0.95	1.42	1.24
	NTU	10.0	9.26	9.90	7.12	9.14

Date: 09/15/20  
Time: 07:58

Parameter	Units	Standard	SmarTROLL SN 513028 iPad # 93	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	97.7			
Conductivity	us/cm	4490	4365			
pH	S.U.	4.00	4.21			
pH	S.U.	7.00	7.04			
pH	S.U.	10.00	9.91			
ORP	mV	228.00	218.9			

Turbidity	Units	Standard	LaMotte SN 2984-0913	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.0			
	NTU	1.0	1.26			
	NTU	10.0	8.30			

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

Project: Plant Science  
 Field Station: K. University of Tennessee, Kingsport, A. McClure

Instrument Calibration

Date: 9/11/2019  
 Time: 12:12

Parameter	Units	Standard	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____
pH	% acetic acid	100	9.1			
Conductivity	µS/cm	400	410			
pH	µS	400	410			
pH	µS	1000	1000			
ORP	mV	2000	2000			

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	NFU	0	0.0			
	NFU	10	10.0			
	NFU	100	100.0			

Date: 9/10/2019  
 Time: 12:12

Parameter	Units	Standard	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____	SmartTROLL SN: _____ #Pad #: _____
pH	% acetic acid	100	9.1			
Conductivity	µS/cm	400	410			
pH	µS	400	410			
pH	µS	1000	1000			
ORP	mV	2000	2000			

	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	NFU	0	0.0			
	NFU	10	10.0			
	NFU	100	100.0			

Notes: (ND) - Dissolved Oxygen is not recommended near ORP. (ORP) - Reduction potential.  
 -50 mV - 500 mV - Relationship Turbidity (NTU) - Turbidity Meter

Project: Plant Science  
 Location: 6. Yuma, ID. Tiberius J. Waggenpack & Walter

## Instrument Calibration

Date: 11/14/19  
 Time: 0900

Parameter	Units	Standard	SmartROLL SN: 11102 (Pad #) 1	SmartROLL SN: 11103 (Pad #) 2	SmartROLL SN: 11104 (Pad #) 3	SmartROLL SN: 11105 (Pad #) 4
Conductivity	µS/cm	500	500	500	500	500
	µS/cm	4000	4000	4000	4000	4000
	µS/cm	40000	40000	40000	40000	40000
	µS/cm	100000	100000	100000	100000	100000
	µS/cm	200000	200000	200000	200000	200000
Turbidity	NTU	0.1	0.1	0.1	0.1	0.1
	NTU	1.0	1.0	1.0	1.0	1.0
	NTU	10.0	10.0	10.0	10.0	10.0

Date: 11/14/19  
 Time: 0910

Parameter	Units	Standard	SmartROLL SN: 11102 (Pad #) 1	SmartROLL SN: 11103 (Pad #) 2	SmartROLL SN: 11104 (Pad #) 3	SmartROLL SN: 11105 (Pad #) 4
Conductivity	µS/cm	500	500	500	500	500
	µS/cm	4000	4000	4000	4000	4000
	µS/cm	40000	40000	40000	40000	40000
	µS/cm	100000	100000	100000	100000	100000
	µS/cm	200000	200000	200000	200000	200000
Turbidity	NTU	0.1	0.1	0.1	0.1	0.1
	NTU	1.0	1.0	1.0	1.0	1.0
	NTU	10.0	10.0	10.0	10.0	10.0

Note: 11/14/19 covered original calibration of conductivity instrument. 11/14/19 calibration was performed using a HANNA NTU instrument & Turbidity standards. Note: Not calibrated.

Product Name: Low-Flow System

Date: 2020-09-09 11:43:07

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
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 11.62 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1971222 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.52 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		+/- 0.2	+/- 10
Last 5	11:25:17	300.07	20.82	5.86	53.17	0.94	11.82	0.24	57.42
Last 5	11:30:17	600.02	20.56	5.74	54.02	0.57	11.83	0.19	58.13
Last 5	11:35:17	900.02	20.66	5.71	54.24	0.42	11.83	0.17	58.90
Last 5	11:40:17	1200.02	20.56	5.71	54.01	0.40	11.83	0.16	59.91
Last 5									
Variance 0			-0.26	-0.12	0.85			-0.06	0.70
Variance 1			0.10	-0.03	0.22			-0.01	0.77
Variance 2			-0.10	0.00	-0.23			-0.02	1.01

Notes

Started purging at 1120  
Stopped purging and began sampling at 1140

Grab Samples



Product Name: Low-Flow System

Date: 2020-09-09 13:40:42

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 53 ft

Pump placement from TOC 53 ft

Well Information:

Well ID GWA-16  
Well diameter 2 in  
Well Total Depth 57.93 ft  
Screen Length 10 ft  
Depth to Water 31.83 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.4515614 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.48 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	12:50:15	300.10	19.23	6.46	116.94	6.75	32.11	5.77	139.85
Last 5	12:55:15	600.02	18.92	6.39	118.12	5.00	32.12	5.71	135.78
Last 5	13:00:15	900.45	18.88	6.37	118.03	3.56	32.12	5.65	135.52
Last 5	13:05:15	1200.45	18.81	6.33	118.25	3.02	32.12	5.65	133.42
Last 5									
Variance 0			-0.31	-0.07	1.17			-0.06	-4.07
Variance 1			-0.05	-0.02	-0.08			-0.06	-0.26
Variance 2			-0.07	-0.05	0.22			-0.00	-2.10

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 14:33:22

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 41 ft

Pump placement from TOC 41 ft

Well Information:

Well ID GWA-17  
Well diameter 2 in  
Well Total Depth 46.76 ft  
Screen Length 10 ft  
Depth to Water 29.20 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.3980004 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.04 in  
Total Volume Pumped 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	13:55:13	600.02	19.86	6.02	85.49	6.56	29.61	6.47	150.51
Last 5	14:00:13	900.02	19.90	6.04	88.76	6.00	29.62	6.30	162.35
Last 5	14:05:13	1200.02	19.72	6.02	92.41	8.10	29.62	6.26	175.72
Last 5	14:10:13	1500.02	19.71	6.04	92.77	6.50	29.62	6.22	181.70
Last 5	14:15:13	1800.02	19.85	6.05	93.60	4.14	29.62	6.22	185.38
Variance 0			-0.18	-0.02	3.64			-0.04	13.36
Variance 1			-0.01	0.02	0.36			-0.04	5.98
Variance 2			0.14	0.02	0.84			0.00	3.69

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 13:51:21

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 33 ft

Pump placement from TOC 33 ft

Well Information:

Well ID GWC-1  
Well diameter 2 in  
Well Total Depth 38.72 ft  
Screen Length 10 ft  
Depth to Water 8.45 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.237293 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%	+/- 10		+/- 10%	+/- 10
Last 5	13:39:28	300.09	22.13	6.67	210.21	0.45	8.80	4.93	89.56
Last 5	13:44:28	600.02	21.21	6.59	209.93	0.66	8.85	5.26	76.13
Last 5	13:49:28	900.02	21.07	6.57	208.49	0.52	8.85	5.36	70.90
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.93	-0.08	-0.28			0.33	-13.43
Variance 2			-0.14	-0.02	-1.44			0.10	-5.23

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 15:16:37

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 54 ft

Pump placement from TOC 54 ft

Well Information:

Well ID GWC-2  
Well diameter 2 in  
Well Total Depth 58.74 ft  
Screen Length 10 ft  
Depth to Water 12.37 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.3310249 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18.96 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	14:59:08	300.03	21.91	6.59	197.58	2.58	13.15	4.20	76.90
Last 5	15:04:08	600.02	21.04	6.48	195.53	2.03	13.65	4.11	66.30
Last 5	15:09:08	900.02	21.28	6.46	194.07	3.80	13.86	4.02	62.30
Last 5	15:14:09	1201.02	20.97	6.44	194.25	2.59	13.95	3.96	60.30
Last 5									
Variance 0			-0.87	-0.11	-2.05			-0.09	-10.61
Variance 1			0.25	-0.02	-1.46			-0.09	-3.99
Variance 2			-0.31	-0.02	0.18			-0.06	-2.00

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 11:00:07

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type SamplePro  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 45 ft

Pump placement from TOC 45 ft

Well Information:

Well ID GWC-3  
Well diameter 2 in  
Well Total Depth 50.16 ft  
Screen Length 10 ft  
Depth to Water 31.30 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.415854 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.4 in  
Total Volume Pumped 6.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 0.2	+/- 10
Last 5	10:37:15	1499.87	20.73	6.26	85.23	11.80	31.50	5.73	70.72
Last 5	10:42:15	1799.87	20.67	6.26	85.17	9.49	31.50	5.73	71.65
Last 5	10:47:15	2099.87	20.73	6.26	84.99	5.94	31.50	5.70	72.02
Last 5	10:52:15	2399.87	20.86	6.26	85.01	5.01	31.50	5.67	72.14
Last 5	10:57:15	2699.87	21.37	6.24	84.45	4.86	31.50	5.59	71.50
Variance 0			0.06	0.00	-0.18			-0.02	0.37
Variance 1			0.13	0.00	0.02			-0.03	0.12
Variance 2			0.51	-0.02	-0.55			-0.08	-0.64

Notes

Started purging at 1012  
Stopped purging and began sampling at 1100

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 12:38:37

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type SamplePro  
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 31.18 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.3846101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.64 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		+/- 0.2	+/- 10
Last 5	12:26:36	300.81	20.75	6.45	172.04	17.50	31.65	4.06	76.94
Last 5	12:31:35	600.81	20.15	6.45	173.75	9.83	31.65	4.00	73.73
Last 5	12:36:35	900.81	19.97	6.46	172.49	2.91	31.65	4.02	71.71
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.60	-0.00	1.71			-0.06	-3.21
Variance 2			-0.18	0.01	-1.26			0.02	-2.01

Notes

Started purging at 1221  
Stopped purging and began sampling at 1240

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 10:36:56

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 29 ft

Pump placement from TOC 29 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 34.16 ft  
Screen Length 10 ft  
Depth to Water 18.79 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.2194393 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.44 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		+/- 0.2	+/- 10
Last 5	10:19:01	300.10	21.81	6.28	338.21	0.24	18.89	4.49	53.30
Last 5	10:24:01	600.02	21.70	6.14	338.88	0.37	18.91	4.48	50.01
Last 5	10:29:01	900.18	21.85	6.09	336.39	0.34	18.91	4.46	49.83
Last 5	10:34:01	1200.18	21.98	6.08	338.03	0.36	18.91	4.43	49.88
Last 5									
Variance 0			-0.11	-0.14	0.67			-0.01	-3.30
Variance 1			0.14	-0.04	-2.49			-0.03	-0.17
Variance 2			0.13	-0.02	1.64			-0.03	0.05

Notes

Started purging at 1013  
Stopped purging and began sampling at 1035

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 16:35:38

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

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 48.50 ft  
Screen Length 10 ft  
Depth to Water 36.50 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.4069272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.4 in  
Total Volume Pumped 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%	+/- 5		+/- 0.2	+/- 10
Last 5	16:13:54	1500.02	20.74	6.42	189.49	7.61	36.70	6.65	73.29
Last 5	16:18:54	1800.02	20.75	6.42	189.67	7.17	36.70	6.61	72.80
Last 5	16:23:54	2100.23	20.88	6.42	189.95	6.20	36.70	6.59	72.34
Last 5	16:28:54	2400.23	21.13	6.42	189.01	5.35	36.70	6.54	72.19
Last 5	16:33:54	2700.23	21.65	6.43	187.93	3.97	36.70	6.46	71.65
Variance 0			0.14	-0.00	0.29			-0.03	-0.46
Variance 1			0.25	0.00	-0.95			-0.05	-0.15
Variance 2			0.52	0.00	-1.08			-0.08	-0.54

Notes

Started purging at 1548  
Stopped purging and began sampling at 1635

Grab Samples



Product Name: Low-Flow System

Date: 2020-09-10 11:12:42

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 53 ft

Pump placement from TOC 53 ft

Well Information:

Well ID GWC-7  
Well diameter 2 in  
Well Total Depth 58.72 ft  
Screen Length 10 ft  
Depth to Water 41.61 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.4515614 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 7.08 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:45:05	300.02	19.40	6.31	157.67	11.40	42.20	5.97	118.71
Last 5	10:50:05	600.02	19.08	6.33	157.80	8.60	42.20	5.93	120.12
Last 5	10:55:05	900.02	19.10	6.32	157.57	4.57	42.20	5.89	123.20
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.32	0.02	0.13			-0.04	1.41
Variance 2			0.01	-0.00	-0.22			-0.04	3.08

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 16:26:28

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
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 22.70 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2774638 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.92 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	16:14:15	300.02	23.98	6.27	637.69	1.21	23.11	0.49	35.67
Last 5	16:19:15	600.02	23.07	6.29	648.85	2.85	23.11	0.41	27.85
Last 5	16:24:15	900.03	23.00	6.30	655.26	2.81	23.11	0.21	24.36
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.90	0.02	11.16			-0.08	-7.81
Variance 2			-0.08	0.01	6.41			-0.20	-3.50

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 13:40:20

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 15 ft

Pump placement from TOC 15 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 20.25 ft  
Screen Length 10 ft  
Depth to Water 7.15 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1569514 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		+/- 0.2	+/- 10
Last 5	13:26:44	300.03	21.80	6.79	156.66	1.30	7.55	2.22	33.73
Last 5	13:31:44	600.02	21.48	6.79	154.09	0.85	7.55	2.27	31.09
Last 5	13:36:44	900.02	21.37	6.80	152.81	0.73	7.55	2.26	29.31
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.32	-0.01	-2.57			0.05	-2.64
Variance 2			-0.11	0.01	-1.28			-0.01	-1.77

Notes

Started purging at 1321  
Stopped purging and began sampling at 1340

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 12:41:00

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
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 40.65 ft  
Screen Length 10 ft  
Depth to Water 10.70 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2462198 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.28 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%	+/- 5		+/- 0.2	+/- 10
Last 5	12:28:53	300.11	21.35	6.37	173.42	0.85	11.88	0.46	41.26
Last 5	12:33:52	600.02	21.00	6.38	174.23	0.36	11.89	0.39	39.08
Last 5	12:38:53	900.93	20.92	6.40	174.11	0.58	11.89	0.35	38.04
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.36	0.01	0.81			-0.07	-2.19
Variance 2			-0.08	0.02	-0.12			-0.03	-1.03

Notes

Started purging at 1223  
Stopped purging and began sampling at 1240

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 12:17:37

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 28 ft

Pump placement from TOC 28 ft

Well Information:

Well ID GWC-11  
Well diameter 2 in  
Well Total Depth 34.54 ft  
Screen Length 10 ft  
Depth to Water 17.9 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.8 in  
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:55:14	2401.07	20.22	6.16	135.45	8.21	18.05	0.87	100.98
Last 5	12:00:14	2701.07	20.38	6.17	134.43	7.87	18.05	0.87	100.73
Last 5	12:05:18	3005.07	20.32	6.16	133.59	5.99	18.05	0.84	100.56
Last 5	12:10:19	3306.07	20.34	6.16	134.46	5.11	18.05	0.84	100.60
Last 5	12:15:19	3606.07	20.35	6.16	135.58	4.74	18.05	0.90	101.74
Variance 0			-0.05	-0.01	-0.83			-0.02	-0.17
Variance 1			0.01	-0.00	0.87			-0.00	0.04
Variance 2			0.01	-0.00	1.12			0.06	1.14

Notes

High NTU due to retrieving tubing from well

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 09:58:56

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 33 ft

Pump placement from TOC 33 ft

Well Information:

Well ID GWC-12  
Well diameter 2 in  
Well Total Depth 37.82 ft  
Screen Length 10 ft  
Depth to Water 25.28 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.237293 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.04 in  
Total Volume Pumped 5.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:35:26	900.05	20.40	5.12	27.58	1.73	25.70	1.15	81.41
Last 5	09:40:27	1201.05	20.50	5.10	27.45	1.56	25.70	1.38	81.11
Last 5	09:45:29	1503.05	20.44	5.10	26.67	1.44	25.70	1.74	81.01
Last 5	09:50:29	1803.05	20.41	5.09	26.90	1.41	25.70	1.85	82.12
Last 5	09:55:29	2103.05	20.57	5.10	26.90	1.09	25.70	1.94	82.09
Variance 0			-0.06	-0.00	-0.78			0.36	-0.10
Variance 1			-0.03	-0.01	0.23			0.11	1.11
Variance 2			0.16	0.01	0.00			0.09	-0.03

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 10:17:06

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 39 ft

Pump placement from TOC 39 ft

Well Information:

Well ID GWC-13  
Well diameter 2 in  
Well Total Depth 44.15 ft  
Screen Length 10 ft  
Depth to Water 30.10 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.3890735 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.36 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	09:45:45	300.05	18.79	5.89	86.70	4.32	30.44	3.82	118.00
Last 5	09:50:45	600.02	18.47	5.81	88.59	3.94	30.35	3.68	117.21
Last 5	09:55:45	900.02	18.38	5.81	91.59	2.29	30.38	3.47	116.82
Last 5	10:00:45	1200.19	18.38	5.83	92.54	2.47	30.38	3.36	117.58
Last 5									
Variance 0			-0.32	-0.08	1.89			-0.14	-0.80
Variance 1			-0.10	0.00	3.00			-0.21	-0.38
Variance 2			-0.00	0.01	0.95			-0.11	0.76

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 16:24:54

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 22 ft

Pump placement from TOC 22 ft

Well Information:

Well ID GWC-14  
Well diameter 2 in  
Well Total Depth 27.50 ft  
Screen Length 10 ft  
Depth to Water 12.82 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1881953 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.96 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%	+/- 5		+/- 0.2	+/- 10
Last 5	16:02:31	600.02	21.04	5.85	64.18	0.70	12.90	1.49	66.25
Last 5	16:07:31	900.02	21.04	5.87	65.04	0.51	12.90	1.37	66.54
Last 5	16:12:31	1200.02	20.97	5.87	66.59	0.45	12.90	1.22	66.98
Last 5	16:17:33	1502.02	21.01	5.88	66.73	0.53	12.90	1.16	67.71
Last 5	16:22:33	1802.02	21.08	5.88	66.36	0.52	12.90	1.17	68.12
Variance 0			-0.07	0.00	1.55			-0.15	0.44
Variance 1			0.04	0.01	0.14			-0.06	0.73
Variance 2			0.08	-0.00	-0.37			0.01	0.41

Notes

Started purging at 1552  
Stopped purging and began sampling at 1625

Grab Samples



Product Name: Low-Flow System

Date: 2020-09-09 15:19:10

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter .170 in  
Tubing Length 66 ft

Pump placement from TOC 66 ft

Well Information:

Well ID GWC-18  
Well diameter 2 in  
Well Total Depth 71.25 ft  
Screen Length 10 ft  
Depth to Water 32.47 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.5095859 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 11.16 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:50:39	300.30	19.78	6.28	118.98	18.40	33.35	6.57	152.22
Last 5	14:55:39	600.30	19.52	6.28	119.84	7.69	33.40	6.50	151.60
Last 5	15:00:39	900.30	19.54	6.30	119.25	4.16	33.40	6.31	151.12
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.27	-0.00	0.86			-0.08	-0.61
Variance 2			0.03	0.02	-0.59			-0.19	-0.49

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-09 16:18:07

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type poly  
Tubing Diameter .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 62.70 ft  
Screen Length 10 ft  
Depth to Water 35.03 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.4694151 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18.6 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	15:45:17	300.02	20.83	6.34	163.54	1.73	36.45	5.70	161.93
Last 5	15:50:17	600.02	20.13	6.27	164.98	3.01	36.66	5.66	167.78
Last 5	15:55:17	900.02	19.90	6.28	164.38	4.81	36.85	5.62	163.05
Last 5	16:00:17	1200.02	20.36	6.27	165.00	3.01	36.58	5.65	162.20
Last 5									
Variance 0			-0.70	-0.06	1.44			-0.04	5.85
Variance 1			-0.23	0.00	-0.60			-0.04	-4.73
Variance 2			0.46	-0.01	0.62			0.03	-0.84

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 13:22:34

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type  
Tubing Type  
Tubing Diameter .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 72.70 ft  
Screen Length 10 ft  
Depth to Water 42.77 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.5140493 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.56 in  
Total Volume Pumped 10.5 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	12:45:17	900.02	20.57	6.54	140.58	8.12	43.15	6.32	152.42
Last 5	12:50:17	1200.02	20.34	6.50	140.31	7.16	43.18	6.52	169.10
Last 5	12:55:17	1500.02	20.50	6.50	140.08	6.66	43.15	6.68	185.98
Last 5	13:00:17	1800.38	20.48	6.50	139.59	5.30	43.15	6.67	214.61
Last 5	13:05:17	2100.38	20.24	6.49	139.39	3.80	43.15	6.63	238.47
Variance 0			0.15	0.00	-0.23			0.15	16.88
Variance 1			-0.01	-0.01	-0.49			-0.01	28.63
Variance 2			-0.25	-0.00	-0.19			-0.03	23.86

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 16:24:22

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 15 ft

Pump placement from TOC 15 ft

Well Information:

Well ID GWA-21  
Well diameter 2 in  
Well Total Depth 20.60 ft  
Screen Length 10 ft  
Depth to Water 4.43 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.1569514 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.84 in  
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:45:14	1200.21	21.92	5.81	116.09	1.67	5.00	1.61	155.32
Last 5	15:50:14	1500.20	21.91	5.82	115.68	2.10	5.00	1.65	153.87
Last 5	15:55:14	1800.20	21.67	5.83	115.08	1.90	5.00	1.70	152.35
Last 5	16:00:14	2100.21	21.46	5.84	115.69	2.20	5.00	1.75	150.71
Last 5	16:05:14	2400.21	21.46	5.83	115.59	1.3	5	1.78	149.67
Variance 0			-0.23	0.01	-0.60			0.05	-1.52
Variance 1			-0.22	0.01	0.61			0.05	-1.64
Variance 2			0.01	-0.00	-0.11			0.03	-1.04

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 14:53:58

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .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 23.53 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.2573784 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 9.84 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:52:45	300.02	19.76	5.88	76.70	4.61	24.34	4.79	160.63
Last 5	13:57:45	600.02	19.27	5.80	77.34	4.15	24.35	4.69	163.75
Last 5	14:02:45	900.02	19.10	5.81	77.73	4.25	24.35	4.94	162.10
Last 5	14:07:45	1200.02	19.14	5.78	78.11	3.98	24.35	4.94	161.59
Last 5									
Variance 0			-0.50	-0.08	0.64			-0.10	3.12
Variance 1			-0.17	0.01	0.39			0.24	-1.65
Variance 2			0.04	-0.03	0.38			0.01	-0.51

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 09:41:38

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 31 ft

Pump placement from TOC 31 ft

Well Information:

Well ID GWA-45  
Well diameter 2 in  
Well Total Depth 36 ft  
Screen Length 10 ft  
Depth to Water 15.63 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.2283661 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18.24 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	09:05:03	301.04	19.81	6.29	476.69	4.64	16.96	0.23	108.28
Last 5	09:10:03	600.93	19.13	6.06	476.75	1.64	17.13	0.22	101.33
Last 5	09:15:03	900.93	18.97	6.00	477.33	1.62	17.15	0.21	97.90
Last 5	09:20:03	1200.93	19.08	5.98	475.55	1.91	17.15	0.19	96.57
Last 5									
Variance 0			-0.68	-0.24	0.06			-0.01	-6.95
Variance 1			-0.15	-0.06	0.58			-0.02	-3.43
Variance 2			0.11	-0.02	-1.79			-0.02	-1.33

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 09:35:46

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

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 45 ft  
Screen Length 10 ft  
Depth to Water 30.72 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.4024638 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.56 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		+/- 0.2	+/- 10
Last 5	09:12:53	300.06	20.49	6.38	73.07	4.95	31.10	2.96	78.02
Last 5	09:17:53	600.02	20.06	6.13	72.87	3.11	31.10	2.90	72.65
Last 5	09:22:53	900.02	20.02	6.06	72.83	1.67	31.10	2.84	70.95
Last 5	09:27:53	1200.02	20.01	6.03	72.97	0.84	31.10	2.86	71.03
Last 5	09:32:53	1500.02	20.01	6.02	72.96	0.45	31.10	2.81	70.95
Variance 0			-0.05	-0.07	-0.04			-0.06	-1.69
Variance 1			-0.00	-0.04	0.15			0.02	0.08
Variance 2			-0.00	-0.00	-0.01			-0.05	-0.08

Notes

Started purging at 0907  
Stopped purging and began sampling at 0935

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 10:27:36

Project Information:

Operator Name D.Thomas  
Company Name Golder Associates  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 647057  
Turbidity Make/Model LaMotte 2020 we

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 37.60 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.4426346 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18 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		+/- 0.2	+/- 10
Last 5	10:05:02	300.02	20.42	6.47	127.16	2.58	38.70	3.26	62.48
Last 5	10:10:02	600.02	20.33	6.53	127.65	1.15	38.95	3.78	58.99
Last 5	10:15:02	900.02	20.19	6.57	127.50	0.86	39.08	3.97	57.28
Last 5	10:20:02	1200.02	20.19	6.59	127.86	0.90	39.10	4.05	56.31
Last 5	10:25:02	1500.02	20.37	6.59	127.73	0.67	39.10	4.07	55.58
Variance 0			-0.14	0.04	-0.14			0.18	-1.71
Variance 1			0.01	0.02	0.35			0.08	-0.97
Variance 2			0.18	0.01	-0.13			0.02	-0.73

Notes

Started purging at 1000  
Stopped purging and began sampling at 1025

Grab Samples



Product Name: Low-Flow System

Date: 2020-09-11 09:14:07

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
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 35.60 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.7911908 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 13.2 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	08:52:02	300.08	23.46	6.75	130.07	5.11	36.25	5.57	90.18
Last 5	08:57:02	600.02	21.60	6.75	129.96	4.07	36.56	5.36	80.86
Last 5	09:02:03	900.24	21.30	6.74	129.48	3.45	36.75	5.53	78.25
Last 5	09:07:08	1205.24	21.23	6.76	128.95	2.56	36.82	5.58	76.41
Last 5	09:12:08	1505.24	21.22	6.76	129.11	1.98	36.70	5.58	75.75
Variance 0			-0.30	-0.01	-0.47			0.17	-2.60
Variance 1			-0.07	0.03	-0.54			0.05	-1.84
Variance 2			-0.00	-0.00	0.17			0.00	-0.66

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 14:51:15

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 36 ft

Pump placement from TOC 36 ft

Well Information:

Well ID GWA-49  
Well diameter 2 in  
Well Total Depth 41.00 ft  
Screen Length 10 ft  
Depth to Water 10.61 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2506832 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 9.12 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	14:38:10	300.02	21.85	6.91	149.90	2.69	11.29	6.97	112.31
Last 5	14:43:10	600.02	21.33	6.91	150.09	2.87	11.35	6.97	110.14
Last 5	14:48:10	900.59	21.19	6.91	150.57	3.73	11.37	6.97	109.64
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.52	0.00	0.19			-0.00	-2.17
Variance 2			-0.14	-0.00	0.48			-0.01	-0.50

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 15:42:41

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
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 5.66 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1881953 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	15:30:06	300.02	23.90	6.11	170.12	0.96	5.84	0.26	117.68
Last 5	15:35:06	600.02	23.70	6.10	172.01	0.69	5.85	0.20	116.07
Last 5	15:40:06	900.02	23.53	6.09	169.78	0.87	5.85	0.18	119.10
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.19	-0.02	1.90			-0.06	-1.60
Variance 2			-0.18	-0.01	-2.24			-0.02	3.03

Notes

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Grab Samples

Product Name: Low-Flow System

Date: 2020-09-10 16:41:13

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 30 ft

Pump placement from TOC 30 ft

Well Information:

Well ID GWC-50  
Well diameter 2 in  
Well Total Depth 36.30 ft  
Screen Length 10 ft  
Depth to Water 8.65 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2239027 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6.72 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%	+/- 10		+/- 10%	+/- 10
Last 5	16:29:31	300.02	22.13	5.80	85.88	1.15	9.17	0.31	136.78
Last 5	16:34:31	600.02	22.02	5.78	85.89	0.64	9.19	0.25	151.93
Last 5	16:39:31	900.02	22.02	5.78	86.14	0.63	9.21	0.22	175.49
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.11	-0.02	0.01			-0.06	15.15
Variance 2			-0.01	0.00	0.25			-0.02	23.56

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 10:51:01

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter .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 8.65 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.1837319 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5.76 in  
Total Volume Pumped 7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:10:08	300.03	21.05	6.01	100.30	3.95	9.11	0.13	86.40
Last 5	10:15:08	600.02	20.61	5.89	98.18	3.19	9.11	0.10	99.87
Last 5	10:20:08	900.02	20.39	5.87	96.58	2.75	9.11	0.08	120.37
Last 5	10:25:08	1200.02	20.36	5.84	96.87	1.94	9.12	0.07	139.02
Last 5	10:30:08	1500.02	20.26	5.84	95.83	1.61	9.13	0.06	155.06
Variance 0			-0.22	-0.02	-1.60			-0.02	20.49
Variance 1			-0.02	-0.03	0.29			-0.01	18.65
Variance 2			-0.11	-0.01	-1.03			-0.01	16.04

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 09:55:53

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 28 ft

Pump placement from TOC 28 ft

Well Information:

Well ID GWC-52  
Well diameter 2 in  
Well Total Depth 32.80 ft  
Screen Length 10 ft  
Depth to Water 9.08 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.76 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	09:44:54	300.03	21.78	6.71	222.02	1.23	9.31	0.35	85.49
Last 5	09:49:54	600.02	21.50	6.66	219.25	1.12	9.31	0.23	83.71
Last 5	09:54:54	900.02	21.63	6.64	218.49	1.13	9.31	0.19	83.07
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.27	-0.04	-2.77			-0.13	-1.78
Variance 2			0.13	-0.02	-0.76			-0.03	-0.64

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-11 10:36:22

Project Information:

Operator Name K. Minkara  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.170 in  
Tubing Length 28 ft

Pump placement from TOC 28 ft

Well Information:

Well ID GWC-53  
Well diameter 2 in  
Well Total Depth 32.80 ft  
Screen Length 10 ft  
Depth to Water 10.31 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 4.92 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	10:19:48	300.03	21.64	5.86	458.61	1.04	10.70	0.43	108.64
Last 5	10:24:48	600.02	21.38	5.75	458.67	3.69	10.72	0.24	108.02
Last 5	10:29:48	900.02	21.46	5.71	459.82	4.64	10.72	0.22	108.68
Last 5	10:34:51	1203.02	21.34	5.69	459.24	4.72	10.72	0.19	109.26
Last 5									
Variance 0			-0.26	-0.12	0.06			-0.19	-0.62
Variance 1			0.08	-0.03	1.15			-0.03	0.66
Variance 2			-0.12	-0.02	-0.58			-0.02	0.58

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 08:57:36

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

Pump Information:

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

Well Information:

Well ID SWA-1  
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	08:56:38	60.02	26.69	7.17	323.39	2.19	--	6.79	115.22
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: 2020-09-15 11:03:21

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	11:02:48	60.02	22.31	7.09	656.87	3.43	--	6.94	34.21
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: 2020-09-15 10:37:48

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	10:37:10	60.03	21.90	7.37	263.16	6.58	--	7.73	44.67
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: 2020-09-15 09:12:06

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	09:11:27	60.02	23.43	7.33	421.07	9.25	--	7.47	87.60
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: 2020-09-15 09:25:35

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	09:24:45	60.02	22.75	7.31	343.04	24.0	--	4.88	68.48
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: 2020-09-15 10:00:25

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	09:59:08	60.02	22.70	7.50	157.24	12.40	--	7.70	56.70
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: 2020-09-15 09:49:24

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	09:48:46	60.02	24.52	7.39	320.91	5.19	--	7.49	71.31
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: 2020-09-15 10:25:24

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	10:24:26	60.02	22.48	7.36	508.04	4.45	--	7.58	60.45
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: 2020-09-15 11:42:41

Project Information:

Operator Name Jude Waguespack  
Company Name Golder  
Project Name 166235018  
Site Name Plant Scherer  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 513028  
Turbidity Make/Model LaMotte 2020 we

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	11:41:51	60.03	21.43	7.29	123.72	0.97	--	8.09	57.66
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**

**WELL INSPECTION FORMS  
MARCH 2020**

# WELL INSPECTION FORM PLANT SCHERER

Well-ID	POSITION  ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Is the well visible and accessible? b. Is the well property identified/Correct Well ID? c. Is the well in high traffic area require traffic Protection? d. Is the drainage around the well acceptable (No standing water)? (Y / N / NA)	a. Is protective casing free from damage/ b. Is casing free of degradation or deterioration/ c. Does casing have functioning weep hole? d. Is the annual space clear of debris and water, or filled with pea gravel? e. Is the well locked and in good condition? (Y / N / NA)	a. Pad in Good Condition b. Pad Sloped away from Well? c. In contact with Protective Casing? d. In Contact with Ground Surface and Stable? e. Free of Debris? (Y / N / NA)	a. Does the cap prevent entry of foreign material? b. Is the casing free of kinks or bends or any obstruction from foreign objects? c. Is the well properly vented for equilibrium of air pressure? d. Is the survey point clearly marked on the inner casing? e. Is the depth of the well consistent with the well log? f. Is the casing stable? (Y / N / NA)	a. Does well recharge adequately when purged? b. If dedicated sampling equipment installed, is it in good condition and specified in the approved groundater plan for the facility? c. Does the well require redevelopment? (Y / N / NA)
GWA-15	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-16	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-17	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-1	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-2	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-3	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-4	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-5	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-6	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-7	↓	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-8A	↓	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-9	↓	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) N (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-10	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-11	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-12	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-13	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-14	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-18	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-19	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) N (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-20	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) N (e) Y (d) Y	(a) Y (b) Y (c) Y

# WELL INSPECTION FORM PLANT SCHERER

Well-ID	POSITION  ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Is the well visible and accessible? b. Is the well properly identified/Correct Well ID? c. Is the well in high traffic area require traffic Protection? d. Is the drainage around the well acceptable (No standing water)? (Y / N / NA)	a. Is protective casing free from damage/ b. Is casing free of degradation or deterioration/ c. Does casing have functioning weep hole? d. Is the annual space clear of debris and water, or filled with pea gravel? e. Is the well locked and in good condition? (Y / N / NA)	a. Pad in Good Condition b. Pad Sloped away from Well? c. In contact with Protective Casing? d. In Contact with Ground Surface and Stable? e. Free of Debris? (Y / N / NA)	a. Does the cap prevent entry of foreign material? b. Is the casing free of kinks or bends or any obstruction from foreign objects? c. Is the well properly vented for equilibrium of air pressure? d. Is the survey point clearly marked on the inner casing? e. Is the depth of the well consistent with the well log? f. Is the casing stable? (Y / N / NA)	a. Does well recharge adequately when purged? b. If dedicated sampling equipment installed, is it in good condition and specified in the approved groundater plan for the facility? c. Does the well require redevelopment? (Y / N / NA)
SGWA-1	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWA-2	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) N (b) Y (c) Y
SGWA-3	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWA-4	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWA-5	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWA-24	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWA-25	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-6	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-7	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-8	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-9	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-10	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-11	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-12	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-13	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-14	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-15	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-16	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-17	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-18	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-19	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-20	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) N (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-21	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-22	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
SGWC-23	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-45	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-46	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-47	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) N (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-48	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y

# WELL INSPECTION FORM PLANT SCHERER

Well-ID	POSITION  ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Is the well visible and accessible? b. Is the well property identified/Correct Well ID? c. Is the well in high traffic area require traffic Protection? d. Is the drainage around the well acceptable (No standing water)? (Y / N / NA)	a. Is protective casing free from damage/ b. Is casing free of degradation or deterioration/ c. Does casing have functioning weep hole? d. Is the annual space clear of debris and water, or filled with pea gravel? e. Is the well locked and in good condition? (Y / N / NA)	a. Pad in Good Condition b. Pad Sloped away from Well? c. In contact with Protective Casing? d. In Contact with Ground Surface and Stable? e. Free of Debris? (Y / N / NA)	a. Does the cap prevent entry of foreign material? b. Is the casing free of kinks or bends or any obstruction from foreign objects? c. Is the well properly vented for equilibrium of air pressure? d. Is the survey point clearly marked on the inner casing? e. Is the depth of the well consistent with the well log? f. Is the casing stable? (Y / N / NA)	a. Does well recharge adequately when purged? b. If dedicated sampling equipment installed, is it in good condition and specified in the approved groundater plan for the facility? c. Does the well require redevelopment? (Y / N / NA)
GWA-49	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-22	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-21	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-50	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-29	↓	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-51	↓	(a) Y (b) Y (c) N (d) N	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-52	↓	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-53	↓	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-39	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-40	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) N (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-41	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-42	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-43	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-44	↑	(a) Y (b) N (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWA-54	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-30	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-31	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-32	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-33	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-34	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-35	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-36	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-37	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
GWC-38	↑	(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-21		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-3		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-55		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) N	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-65		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-91		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y

# WELL INSPECTION FORM PLANT SCHERER

Well-ID	POSITION  ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Is the well visible and accessible? b. Is the well property identified/Correct Well ID? c. Is the well in high traffic area require traffic Protection? d. Is the drainage around the well acceptable (No standing water)? (Y / N / NA)	a. Is protective casing free from damage/ b. Is casing free of degradation or deterioration/ c. Does casing have functioning weep hole? d. Is the annual space clear of debris and water, or filled with pea gravel? e. Is the well locked and in good condition? (Y / N / NA)	a. Pad in Good Condition b. Pad Sloped away from Well? c. In contact with Protective Casing? d. In Contact with Ground Surface and Stable? e. Free of Debris? (Y / N / NA)	a. Does the cap prevent entry of foreign material? b. Is the casing free of kinks or bends or any obstruction from foreign objects? c. Is the well properly vented for equilibrium of air pressure? d. Is the survey point clearly marked on the inner casing? e. Is the depth of the well consistent with the well log? f. Is the casing stable? (Y / N / NA)	a. Does well recharge adequately when purged? b. If dedicated sampling equipment installed, is it in good condition and specified in the approved groundater plan for the facility? c. Does the well require redevelopment? (Y / N / NA)
PZ-10S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-11S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-12S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-13S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-14S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-14I		(a) N (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) N (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-15S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-17I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-19I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-19S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-20I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-21S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-25S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-25I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-26S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-27S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-27D		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-28S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) N (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-29S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-30S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-31I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) N (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
PZ-32S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-32D		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-33S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-34S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-35S		(a) Y (b) N (c) N (d) Y	(a) NA (b) NA (c) NA (d) Y (e) Y	(a) Y (b) Y (c) NA (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-36S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-36I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-37S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y

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		a. Is the well visible and accessible? b. Is the well property identified/Correct Well ID? c. Is the well in high traffic area require traffic Protection? d. Is the drainage around the well acceptable (No standing water)? (Y / N / NA)	a. Is protective casing free from damage/ b. Is casing free of degradation or deterioration/ c. Does casing have functioning weep hole? d. Is the annual space clear of debris and water, or filled with pea gravel? e. Is the well locked and in good condition? (Y / N / NA)	a. Pad in Good Condition b. Pad Sloped away from Well? c. In contact with Protective Casing? d. In Contact with Ground Surface and Stable? e. Free of Debris? (Y / N / NA)	a. Does the cap prevent entry of foreign material? b. Is the casing free of kinks or bends or any obstruction from foreign objects? c. Is the well property vented for equilibrium of air pressure? d. Is the survey point clearly marked on the inner casing? e. Is the depth of the well consistent with the well log? f. Is the casing stable? (Y / N / NA)	a. Does well recharge adequately when purged? b. If dedicated sampling equipment installed, is it in good condition and specified in the approved groundater plan for the facility? c. Does the well require redevelopment? (Y / N / NA)
PZ-38I		(a) Y (b) N (c) N (d) Y	(a) NA (b) NA (c) NA (d) Y (e) Y	(a) Y (b) Y (c) NA (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-39S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-40I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-41S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-42I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-43S		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) N (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y
PZ-44I		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
LPZ-1		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
LPZ-2		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
LPZ-3		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
LPZ-4		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
LPZ-5		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-102A		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-102B		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-103A		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-103B		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-104A		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y
B-104B		(a) Y (b) Y (c) N (d) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y	(a) Y (b) Y (c) Y (d) Y (e) Y (d) Y	(a) Y (b) Y (c) Y

**NOTES:**

1. Provide pictures of any deficiencies.
2. Notify SCS /GPC of any noted deficiencies.
3. Provide additional comments as necessary to address any deficiencies.

**APPENDIX A**

**WELL INSPECTION FORMS  
SEPTEMBER 2020**

# WELL INSPECTION FORM PLANT SCHERER

WELL-ID	MONITORING WELL POSITION  ↑ or ↓	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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
B-102A	--	S	S	S	S	N/A
B-102B	--	S	S	S	S	N/A
B-103A	--	S	S	S	S	N/A
B-103B	--	S	S	S	S	N/A
B-104A	--	S	S	S	S	N/A
B-104B	--	S	S	S	S	N/A
GWA-15	↑	S	S	S	S	S
GWA-16	↑	S	S	S	S	S
GWA-17	↑	S	S	S	S	S
GWA-22	↑	S	S	S	S	S
GWA-21	↑	S	S	S	S	S
GWA-39	↑	Labeled as "GWC-39"; overgrown	S	S	S	S
GWA-40	↑	Labeled as "GWC-40"	S	S	S	S
GWA-41	↑	Labeled as "GWC-41"	S	S	S	S
GWA-42	↑	Labeled as "GWC-42"; overgrown	S	S	S	S
GWA-43	↑	S	S	S	S	S
GWA-44A	↑	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
GWA-54	↑	Overgrown	S	S	S	S



# WELL INSPECTION FORM PLANT SCHERER

WELL-ID	MONITORING WELL POSITION  ↑ or ↓	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 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  (S) for Satisfactory Discrepancies identified below
GWC-1	↓	Overgrown	S	S	S	S
GWC-2	↓	Overgrown	S	S	S	S
GWC-3	↓	Construction in area	S	Access road collapsed on pad	S	S
GWC-4	↓	Construction in area	S	S	S	S
GWC-5	↓	S	S	S	S	S
GWC-6	↓	S	S	S	S	S
GWC-7	↓	Missing label	S	S	S	S
GWC-8A	↓	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
GWC-18	↓	S	S	S	S	S
GWC-19	↓	S	S	S	S	S
GWC-20	↓	S	S	S	S	S
GWC-29	↓	S	S	S	S	S
GWC-30	↑	S	S	S	S	S
GWC-31	↑	S	S	S	S	S
GWC-32	↑	Inaccessible by vehicle	S	S	S	S
GWC-33A	↑	Labeled as "GWC-33"	S	S	S	S
GWC-34	↑	Overgrown	S	S	S	S

# WELL INSPECTION FORM PLANT SCHERER

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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
	↑ or ↓					
GWC-35	↑	S	S	S	S	S
GWC-36	↑	S	S	S	S	S
GWC-37	↑	Very muddy in dry conditions	S	S	S	S
GWC-38	↑	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
PZ-2I	--	S	S	S	S	N/A
PZ-3	--	S	S	S	S	N/A
PZ-5S	--	S	S	S	S	N/A
PZ-6S	--	S	S	S	S	N/A
PZ-9I	--	S	S	S	S	N/A
PZ-10S	--	Overgrown	S	S	S	N/A
PZ-11S	--	S	S	S	S	N/A
PZ-12S	--	S	S	S	S	N/A
PZ-13S	--	S	S	S	S	N/A
PZ-14S	--	S	S	S	S	N/A
PZ-14I	--	S	S	S	S	N/A
PZ-15S	--	S	S	S	S	N/A
PZ-17I	--	S	S	S	S	N/A
PZ-19I	--	S	S	S	S	N/A
PZ-19S	--	S	S	S	S	N/A

# WELL INSPECTION FORM PLANT SCHERER

WELL-ID	MONITORING WELL POSITION  ↑ or ↓	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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
PZ-20I	--	S	S	S	S	N/A
PZ-21S	--	S	S	S	S	N/A
PZ-25S	--	S	S	S	S	N/A
PZ-25I	--	S	S	S	S	N/A
PZ-26S	--	S	S	S	S	N/A
PZ-27S	--	S	S	S	S	N/A
PZ-27D	--	S	S	S	S	N/A
PZ-28S	--	S	S	S	S	N/A
PZ-29S	--	S	S	S	S	N/A
PZ-30S	--	Overgrown	S	S	S	N/A
PZ-31I	--	S	S	S	S	N/A
PZ-32S	--	Overgrown	S	S	S	N/A
PZ-32D	--	Overgrown	S	S	S	N/A
PZ-33S	--	S	S	S	S	N/A
PZ-34S	--	S	S	S	S	N/A
PZ-35S	--	S	S	S	S	N/A
PZ-36S	--	Overgrown	S	S	S	N/A
PZ-36I	--	Overgrown	S	S	S	N/A
PZ-37S	--	S	S	S	S	N/A
PZ-38I	--	S	S	S	S	N/A
PZ-39S	--	S	S	Missing 1 washer	S	N/A
PZ-40I	--	S	S	S	S	N/A
PZ-41S	--	S	S	S	S	N/A

# WELL INSPECTION FORM PLANT SCHERER

WELL-ID	MONITORING WELL POSITION  ↑ or ↓	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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
PZ-42I	--	S	S	S	S	N/A
PZ-43S	--	S	S	S	S	N/A
PZ-44I	--	S	S	S	S	N/A
PZ-45D	--	S	S	S	S	N/A
PZ-46D	--	Gate lock requires lubrication	S	S	S	N/A
PZ-47D	--	S	S	S	S	N/A
PZ-48	--	S	S	S	S	N/A
PZ-49S	--	S	S	S	S	N/A
PZ-49D	--	S	S	S	S	N/A
PZ-50D	--	S	S	S	S	N/A
PZ-51D	--	S	S	S	S	N/A
PZ-52	--	S	S	S	S	N/A
PZ-53	--	Overgrown	S	S	S	N/A
PZ-54	--	S	S	S	S	N/A
PZ-55	--	S	S	S	S	N/A
PZ-56	--	S	S	S	S	N/A
PZ-57	--	S	S	S	S	N/A
PZ-58	--	S	S	S	S	N/A
PZ-59S	--	Overgrown	S	S	Missing PVC weephole	N/A
PZ-59D	--	Overgrown	S	S	Missing PVC weephole	N/A
PZ-60S	--	Overgrown	S	S	Missing PVC weephole	N/A
PZ-60D	--	Overgrown	S	S	Missing PVC weephole	N/A
PZ-61	--	S	S	S	Missing PVC weephole	N/A

# WELL INSPECTION FORM PLANT SCHERER

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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
	↑ or ↓					
PZ-62	--	S	S	S	S	N/A
PZ-63	--	S	S	S	S	N/A
PZ-64	--	S	S	S	S	N/A
PZ-65	--	S	S	S	Missing PVC weephole	N/A
PZ-66S	--	S	S	S	S	N/A
PZ-66D	--	Missing label	S	S	Missing PVC weephole	N/A
PZ-67S	--	S	S	S	S	N/A
PZ-67D	--	S	S	S	Missing PVC weephole	N/A
PZ-68	--	S	S	S	S	N/A
LPZ-1	--	S	S	S	S	N/A
LPZ-2	--	S	S	S	S	N/A
LPZ-3	--	S	S	S	S	N/A
LPZ-4	--	S	S	S	S	N/A
LPZ-5	--	S	S	S	S	N/A
SG-1	--	Removed from post	N/A	N/A	N/A	N/A
SG-2	--	Used ruler to measure down, gauge dry	N/A	N/A	N/A	N/A
SG-3	--	S	N/A	N/A	N/A	N/A
SGWA-1	↑	S	S	S	S	S
SGWA-2	↑	S	S	S	S	S
SGWA-3	↑	S	S	S	S	S
SGWA-4	↑	S	S	S	S	S
SGWA-5	↑	S	S	S	S	S
SGWA-24	↑	S	S	S	S	S

# WELL INSPECTION FORM PLANT SCHERER

WELL-ID	MONITORING WELL POSITION  ↑ or ↓	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</b> <b>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 lock and in good condition  <b>(S) for Satisfactory</b> <b>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</b> <b>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</b> <b>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  <b>(S) for Satisfactory</b> <b>Discrepancies identified below</b>
SGWA-25	↑	S	S	S	S	S
SGWC-6	↓	S	S	S	S	S
SGWC-7	↓	S	Lid disconnected from casing	S	S	S
SGWC-8	↓	S	S	S	S	S
SGWC-9	↓	S	S	S	S	S
SGWC-10	↓	S	S	S	S	S
SGWC-11	↓	S	S	S	S	S
SGWC-12	↓	S	S	S	S	S
SGWC-13	↓	S	S	S	S	S
SGWC-14	↓	S	S	S	S	S
SGWC-15	↓	S	S	S	S	S
SGWC-16	↓	S	S	S	S	S
SGWC-17	↓	S	S	S	S	S
SGWC-18	↓	S	S	Hole in pad	S	S
SGWC-19	↓	S	S	S	S	S
SGWC-20	↓	S	Lid difficult to close	S	S	S
SGWC-21	↓	S	S	S	S	S
SGWC-22	↓	S	S	S	S	S
SGWC-23	↓	S	S	S	S	S

**NOTES:**

1. Provide pictures of any deficiencies.
2. Notify SCS /GPC of any noted deficiencies.
3. Provide additional comments as necessary to address any deficiencies.

**APPENDIX A**

**DATA VALIDATION SUMMARIES  
MARCH 2020**

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## Quality Control Review of Analytical Data- Ash Pond Cell 1/PAC Ash Submitted by Eurofins TestAmerica March 2020

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Ash Pond Cell 1 and PAC Ash between March 18, 2020 and March 20, 2020. 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 Title 40 CFR, Part 258 Criteria For Municipal Solid Waste Landfills, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and metal constituents listed in 40 CFR, Part 258, Appendix I. Test methods included Inductively Coupled Plasma- Mass Spectrometry (USEPA Method 6020), 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 (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, with the exception of total dissolved solids (TDS), as described in the qualifications sections below.
<b>Accuracy:</b>	Laboratory goals for accuracy were met, with the exception of chloride, as described in the qualifications sections below.
<b>Detection Limits:</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.
<b>Completeness:</b>	There were no rejected analytical results for this event, resulting in a completion of 100%.



**Holding Times:** All holding time requirements were met in accordance with specific analytical methods.

## QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of high levels of imprecision or inaccuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the data validation process.

- J** The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- J+** The analyte was reported above the method detection limit; however, the concentration reported is an estimated value that may be biased high.
- 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 some data from samples collected at the site and reported in sample delivery groups (SDGs) 180-103890-1 and 180-103812-1, qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- Certain TDS results in SDG 180-103890-1 were qualified as estimated (J) as the parent sample and field duplicate exceeded field precision criteria.
- A certain chloride result in SDG 180-103890-1 was qualified as estimated biased high (J+) as the associated matrix spike and/or matrix spike duplicate (MS/MSD) recovery was above the QC criteria.
- Certain fluoride, sulfate, zinc and thallium results in SDG 180-103890-1 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, when the original sample result was below the reporting limit (RL), the result was raised to the RL and when a result was greater than the RL, the RL was raised to the sample result as part of the qualification process.
- Certain cobalt, lead, thallium, fluoride, sulfate and chloride results in SDG 180-103812-1 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, when the original sample result was below the reporting limit (RL), the result was raised to the RL and when a result was greater than the RL, the RL was raised to the sample result as part of the qualification process.

Golder reviewed the data from samples collected at Plant Scherer CCR Ash Pond Cell 1 and PAC Ash between March 18, 2020 and March 20, 2020 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.

## 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**

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses		
						Total Metals + Hg (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
180-103890-1	GWA-47	3/20/2020	180-103890-1	GW	-	X	X	X
180-103890-1	FB-2(PA)	3/20/2020	180-103890-2	WQ	FB	X	X	X
180-103890-1	GWA-21	3/19/2020	180-103893-1	GW	-	X	X	X
180-103890-1	GWA-22	3/19/2020	180-103893-2	GW	-	X	X	X
180-103890-1	GWC-29	3/19/2020	180-103893-3	GW	-	X	X	X
180-103890-1	GWA-46	3/19/2020	180-103893-4	GW	-	X	X	X
180-103890-1	GWA-45	3/19/2020	180-103893-5	GW	-	X	X	X
180-103890-1	GWA-48	3/19/2020	180-103893-6	GW	-	X	X	X
180-103890-1	GWA-49	3/19/2020	180-103893-7	GW	-	X	X	X
180-103890-1	GWC-50	3/19/2020	180-103893-8	GW	-	X	X	X
180-103890-1	GWC-51	3/19/2020	180-103893-9	GW	-	X	X	X
180-103890-1	GWC-52	3/19/2020	180-103893-10	GW	-	X	X	X
180-103890-1	GWC-53	3/19/2020	180-103893-11	GW	-	X	X	X
180-103890-1	FD-1(PA)	3/19/2020	180-103893-12	GW	FD (GWA-21)	X	X	X
180-103890-1	FB-1(PA)	3/19/2020	180-103893-13	WQ	FB	X	X	X
180-103890-1	FD-2(PA)	3/19/2020	180-103893-14	GW	FD (GWA-46)	X	X	X
180-103890-1	EB-1(PA)	3/19/2020	180-103893-15	WQ	EB	X	X	X
180-103890-1	EB-2(PA)	3/19/2020	180-103893-16	WQ	EB	X	X	X
180-103812-1	GWC-1	3/18/2020	180-103812-1	GW		X	X	X
180-103812-1	GWC-2	3/18/2020	180-103812-2	GW		X	X	X
180-103812-1	GWC-3	3/18/2020	180-103812-3	GW		X	X	X
180-103812-1	GWC-5	3/18/2020	180-103812-4	GW		X	X	X
180-103812-1	GWC-6	3/18/2020	180-103812-5	GW		X	X	X
180-103812-1	GWC-8A	3/18/2020	180-103812-6	GW		X	X	X
180-103812-1	GWC-9	3/18/2020	180-103812-7	GW		X	X	X
180-103812-1	GWC-10	3/18/2020	180-103812-8	GW		X	X	X
180-103812-1	GWC-11	3/18/2020	180-103812-9	GW		X	X	X
180-103812-1	GWC-12	3/18/2020	180-103812-10	GW		X	X	X
180-103812-1	GWC-13	3/18/2020	180-103812-11	GW		X	X	X
180-103812-1	GWC-14	3/18/2020	180-103812-12	GW		X	X	X
180-103812-1	GWA-15	3/18/2020	180-103812-13	GW		X	X	X
180-103812-1	GWA-16	3/18/2020	180-103812-14	GW		X	X	X
180-103812-1	GWA-17	3/18/2020	180-103812-15	GW		X	X	X
180-103812-1	GWC-18	3/18/2020	180-103812-16	GW		X	X	X
180-103812-1	FD-1(LF)	3/18/2020	180-103812-17	WQ	FD(GWC-8A)	X	X	X
180-103812-1	EB-1(LF)	3/18/2020	180-103812-18	WQ	EB	X	X	X
180-103812-1	FB-1(LF)	3/18/2020	180-103812-19	WQ	FB	X	X	X
180-103812-1	GWC-4	3/19/2020	180-103889-1	GW		X	X	X
180-103812-1	GWC-7	3/19/2020	180-103889-2	GW		X	X	X
180-103812-1	GWC-19	3/19/2020	180-103889-3	GW		X	X	X
180-103812-1	GWC-20	3/19/2020	180-103889-4	GW		X	X	X
180-103812-1	FD-2(LF)	3/19/2020	180-103889-5	GW	FD(GWC-4)	X	X	X
180-103812-1	FB-2(LF)	3/19/2020	180-103889-6	WQ	FB	X	X	X
180-103812-1	EB-2(LF)	3/19/2020	180-103889-7	WQ	EB	X	X	X

**Abbreviations:**

EB - Equipment blank  
 FB - Field blank  
 FD - Field duplicate  
 GW - Groundwater  
 WQ - Water quality water  
 QC - Quality control  
 Hg - Mercury  
 TDS - Total dissolved solids

**TABLE 2**  
**Qualifier Summary Table**  
**SCS Plant Scherer**

SDG	Sample Name	Constituent	New Result	New MDL	New RL	Qualifier	Reason
180-103890-1	GWA-21	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWA-22	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWC-29	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWA-45	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWA-48	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWA-49	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWC-50	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWC-51	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWC-52	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	FD-1(PA)	Fluoride	0.1	-	-	U	Field and equipment blank detection
180-103890-1	GWA-21	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWC-29	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWA-46	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWA-48	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWA-49	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWC-51	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	FD-1(PA)	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	FD-2(PA)	Sulfate	1.0	-	-	U	Field blank detection
180-103890-1	GWA-46	Zinc	0.005	-	-	U	Equipment blank detection
180-103890-1	GWA-45	Zinc	0.005	-	-	U	Equipment blank detection
180-103890-1	GWC-50	Zinc	0.005	-	-	U	Equipment blank detection
180-103890-1	GWC-53	Zinc	0.005	-	-	U	Equipment blank detection
180-103890-1	FD-2(PA)	Zinc	0.005	-	-	U	Equipment blank detection
180-103890-1	GWA-47	Chloride	-	-	-	J+	MS/MSD outside of acceptance limit
180-103890-1	GWA-47	TDS	-	-	-	J	Field duplicate exceeded RPD
180-103890-1	FD-2(PA)	TDS	-	-	-	J	Field duplicate exceeded RPD
180-103890-1	GWA-45	Thallium	0.001	-	-	U	Method blank contamination
180-103890-1	GWA-48	Thallium	0.001	-	-	U	Method blank contamination
180-103812-1	GWA-15	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWA-16	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-1	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-12	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-18	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-19	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-20	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-3	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-4	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-7	Cobalt	0.0025	-	-	U	Method blank contamination
180-103812-1	GWC-1	Lead	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-11	Lead	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-2	Lead	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-4	Lead	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-1	Thallium	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-2	Thallium	0.001	-	-	U	Method blank contamination
180-103812-1	GWC-4	Thallium	0.001	-	-	U	Method blank contamination
180-103812-1	GWA-15	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWA-16	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWA-17	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-10	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-1	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-11	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-12	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-13	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-14	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-2	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-3	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-5	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-6	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-8A	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWC-9	Fluoride	0.1	-	-	U	Field and Equipment blank contamination
180-103812-1	GWA-15	Sulfate	-	-	3.1	U	Field and Equipment blank contamination
180-103812-1	GWA-16	Sulfate	1	-	-	U	Field blank contamination
180-103812-1	GWA-17	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-10	Sulfate	-	-	2.4	U	Field blank contamination
180-103812-1	GWC-1	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-12	Sulfate	-	-	1.3	U	Field blank contamination
180-103812-1	GWC-2	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-3	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-19	Chloride	-	-	2.2	U	Equipment blank contamination
180-103812-1	GWC-20	Chloride	-	-	2.2	U	Equipment blank contamination
180-103812-1	GWC-7	Chloride	-	-	2.1	U	Equipment blank contamination
180-103812-1	GWC-19	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-20	Sulfate	1.0	-	-	U	Field blank contamination
180-103812-1	GWC-7	Sulfate	1.0	-	-	U	Field blank contamination

**Abbreviations:**

RL : Reporting limit  
 MS/MSD- Matrix spike/matrix spike duplicate  
 RPD : Relative percent difference  
 SDG : Sample delivery group  
 TDS : Total dissolved solids  
 MDL: Method Detection Limit

**Qualifiers:**

J+ : Estimated result, biased high  
 U : Non-detect result

**APPENDIX A**

**DATA VALIDATION SUMMARIES  
SEPTEMBER 2020**

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## Quality Control Review of Analytical Data- Ash Pond Cell 1/PAC Ash Submitted by Eurofins TestAmerica September 2020

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Ash Pond Cell 1 and PAC Ash between September 9, 2020 and September 11, 2020. The chemical data were reviewed to identify potential 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 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. 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 (laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and blank contamination (including filed 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.
<b>Detection Limits:</b>	Project goals for detection limits were met.
<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. No qualifications were necessary for sample delivery groups (SDGs) 180-110866-1 and 180-110809-1.

Golder reviewed the data from samples collected at Plant Scherer CCR Ash Pond Cell 1 and PAC Ash between September 9, 2020 and September 11, 2020 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.

## 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 - Cell 1 & Pac Ash  
SCS Plant Scherer

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses			
						Total Metals (6020B)	Mercury (EPA 7470A)	Anions (300.0)	TDS (SM 2540C)
180-110866-1	GWA-21	9/10/2020	180-110866-1	GW	-	X	X	X	X
180-110866-1	GWC-29	9/10/2020	180-110866-2	GW	-	X	X	X	X
180-110866-1	GWA-49	9/10/2020	180-110866-3	GW	-	X	X	X	X
180-110866-1	FD (PA)	9/10/2020	180-110866-4	GW	FD (GWC-29)	X	X	X	X
180-110866-1	GWA-22	9/10/2020	180-110866-5	GW	-	X	X	X	X
180-110866-1	GWC-50	9/10/2020	180-110866-6	GW	-	X	X	X	X
180-110866-1	GWA-45	9/11/2020	180-110866-7	GW	-	X	X	X	X
180-110866-1	GWA-46	9/11/2020	180-110866-8	GW	-	X	X	X	X
180-110866-1	GWA-47	9/11/2020	180-110866-9	GW	-	X	X	X	X
180-110866-1	GWA-48	9/11/2020	180-110866-10	GW	-	X	X	X	X
180-110866-1	GWC-51	9/11/2020	180-110866-11	GW	-	X	X	X	X
180-110866-1	GWC-52	9/11/2020	180-110866-12	GW	-	X	X	X	X
180-110866-1	GWC-53	9/11/2020	180-110866-13	GW	-	X	X	X	X
180-110866-1	FB (PA)	9/11/2020	180-110866-14	WQ	FB	X	X	X	X
180-110866-1	EB (PA)	9/11/2020	180-110866-15	WQ	EB	X	X	X	X
180-110809-1	GWA-15	9/9/2020	180-110809-1	GW	-	X	X	X	X
180-110809-1	GWA-16	9/9/2020	180-110809-2	GW	-	X	X	X	X
180-110809-1	GWA-17	9/9/2020	180-110809-3	GW	-	X	X	X	X
180-110809-1	GWC-1	9/9/2020	180-110809-4	GW	-	X	X	X	X
180-110809-1	GWC-2	9/9/2020	180-110809-5	GW	-	X	X	X	X
180-110809-1	GWC-5	9/9/2020	180-110809-6	GW	-	X	X	X	X
180-110809-1	GWC-8A	9/9/2020	180-110809-7	GW	-	X	X	X	X
180-110809-1	GWC-9	9/9/2020	180-110809-8	GW	-	X	X	X	X
180-110809-1	GWC-10	9/9/2020	180-110809-9	GW	-	X	X	X	X
180-110809-1	GWC-14	9/9/2020	180-110809-10	GW	-	X	X	X	X
180-110809-1	GWC-18	9/9/2020	180-110809-11	GW	-	X	X	X	X
180-110809-1	GWC-19	9/9/2020	180-110809-12	GW	-	X	X	X	X
180-110809-1	FD (LF)	9/9/2020	180-110809-13	GW	FD (GWC-9)	X	X	X	X
180-110809-1	GWC-3	9/10/2020	180-110867-1	GW	-	X	X	X	X
180-110809-1	GWC-4	9/10/2020	180-110867-2	GW	-	X	X	X	X
180-110809-1	GWC-6	9/10/2020	180-110867-3	WQ	-	X	X	X	X
180-110809-1	GWC-7	9/10/2020	180-110867-4	WQ	-	X	X	X	X
180-110809-1	GWC-11	9/10/2020	180-110867-5	GW	-	X	X	X	X
180-110809-1	GWC-12	9/10/2020	180-110867-6	GW	-	X	X	X	X
180-110809-1	GWC-13	9/10/2020	180-110867-7	GW	-	X	X	X	X
180-110809-1	GWC-20	9/10/2020	180-110867-8	GW	-	X	X	X	X
180-110809-1	FB (LF)	9/10/2020	180-110867-9	WQ	FB	X	X	X	X
180-110809-1	EB (LF)	9/11/2020	180-110867-10	WQ	EB	X	X	X	X

**Abbreviations:**

- EB - Equipment blank
- FB - Field blank
- FD - Field duplicate
- GW - Groundwater
- WQ - Water quality water
- QC - Quality control
- TDS - Total dissolved solids

TABLE 2

Qualifier Summary Table - Cell 1 & Pac Ash  
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>
-	-	-	-	-	-	No qualifications required.

**Abbreviations:**

RL : Reporting limit

SDG : Sample delivery group

MDC: Minimum Detectable Concentration

**APPENDIX B**

# CERTIFIED WELL SURVEY

Plant Scherer

3rd data set: LF Wells

Updated 12/7/20

NETWORK WELL ID	PVC CASING LATITUDE	PVC CASING LONGITUDE	CONTROL NAIL NORTHING	CONTROL NAIL EASTING	CONTROL NAIL ELEVATION	PVC CASING NORTHING	PVC CASING EASTING	TOP OF PVC CASING ELEV.	GROUND ELEVATION	COMMENTS
GWC-1	33.07878129 °	-83.79131155 °	No nail	No nail	371.77*	1120077.85	2411555.32	374.95	371.6	*Pad elev (no nail)
GWC-2	33.07806384 °	-83.79151634 °	No nail	No nail	377.02*	1119816.59	2411493.53	380.22	376.9	*Pad elev (no nail)
GWC-3	33.07750983 °	-83.79246763 °	No nail	No nail	407.36*	1119613.99	2411202.86	410.44	407.1	*Pad elev (no nail)
GWC-4	33.07652737 °	-83.79299751 °	No nail	No nail	408.50*	1119255.96	2411041.82	411.75	408.4	*Pad elev (no nail)
GWC-5	33.07554291 °	-83.79305371 °	1118898.01	2411024.23	393.37	1118897.72	2411025.88	396.69	393.3	
GWC-6	33.07465931 °	-83.79355797 °	1118575.49	2410871.44	412.48	1118575.69	2410872.56	415.80	412.4	
GWC-7	33.07374897 °	-83.79430173 °	1118244.68	2410644.68	414.51	1118243.67	2410645.91	418.27	414.4	
GWC-8A	33.07285463 °	-83.79518936 °	1117918.66	2410375.13	398.65	1117917.32	2410375.16	401.62	398.6	
GWC-9	33.07296130 °	-83.79586603 °	1117955.66	2410165.91	383.21	1117955.40	2410167.75	386.18	382.8	
GWC-10	33.07392850 °	-83.79634992 °	1118307.27	2410019.38	389.49	1118306.77	2410018.28	392.87	388.9	
GWC-11	33.07487138 °	-83.79712763 °	1118649.69	2409779.78	399.21	1118648.98	2409778.84	402.33	398.8	
GWC-12	33.07577749 °	-83.79785602 °	1118978.18	2409555.72	409.66	1118977.87	2409554.57	412.89	409.2	
GWC-13	33.07677077 °	-83.79838604 °	1119339.29	2409391.96	416.71	1119338.68	2409390.95	419.77	416.5	
GWC-14	33.07764300 °	-83.79929390 °	1119655.22	2409112.94	400.41	1119655.05	2409111.75	403.60	400.2	
GWA-15	33.07861529 °	-83.79873262 °	1120008.91	2409283.54	412.00	1120009.40	2409282.43	415.01	411.7	
GWA-16	33.07927008 °	-83.79775923 °	1120247.82	2409580.61	441.01	1120248.68	2409579.75	444.24	440.9	
GWA-17	33.07916177 °	-83.79656159 °	1120209.73	2409945.86	442.92	1120210.57	2409946.73	445.84	442.8	
GWC-18	33.07857646 °	-83.79553524 °	1119997.61	2410261.31	436.40	1119998.73	2410261.85	439.66	436.3	
GWC-19	33.07760179 °	-83.79406581 °	1119646.10	2410712.10	426.34	1119645.70	2410713.20	430.20	426.3	
GWC-20	33.07843484 °	-83.79248811 °	1119951.51	2411194.45	423.03	1119950.51	2411195.38	426.30	423.0	
GWA-21	33.08044495 °	-83.79813647 °	No nail	No nail	419.81*	1120675.73	2409462.70	422.58	419.7	*Pad elev (no nail)
GWA-22	33.08123199 °	-83.79809884 °	1120961.49	2409475.41	442.01	1120962.12	2409473.22	444.50	442.0	
GWC-29	33.07825289 °	-83.80057699 °	1119878.12	2408718.22	396.98	1119875.58	2408717.95	399.64	396.9	
GWC-30	33.07685172 °	-83.79973920 °	1119366.69	2408975.21	392.19	1119366.69	2408976.35	394.49	392.0	
GWC-31	33.07576062 °	-83.79946406 °	1118969.72	2409060.85	390.13	1118970.00	2409062.02	392.78	390.0	
GWC-32	33.07515444 °	-83.79939211 °	1118749.23	2409083.89	407.25	1118749.53	2409084.83	410.03	406.9	
GWC-33A	33.07435239 °	-83.79849852 °	1118457.51	2409359.70	391.32	1118458.68	2409359.58	393.96	390.9	
GWC-34	33.07377095 °	-83.79745357 °	1118247.67	2409679.54	386.48	1118248.26	2409680.41	389.29	386.2	
GWC-35	33.07270288 °	-83.79672091 °	1117860.31	2409905.20	385.35	1117860.46	2409906.21	387.90	385.1	
GWC-36	33.07188280 °	-83.79745810 °	1117561.62	2409680.48	422.52	1117561.29	2409681.44	425.12	422.0	



I certify that top of casing and PK nail elevations reflect a relative vertical accuracy of 0.01 feet referencing NAVD88 and were collected using a Topcon DL-502 digital level with closures meeting First Order, Class I level classification. Horizontal positions of casings and PK nails reflect accuracies of 0.50 feet or better and were collected using a JAVAD Triumph-LS dual-frequency RTK global positioning system receiver with eGPS VRS corrections referencing the Georgia State Plane, west zone, NAD83(2011) coordinate system in US survey feet.  
 Issued 7/29/20.

Plant Scherer

3rd data set: LF Wells

Updated 12/7/20

NETWORK WELL ID	PVC CASING LATITUDE	PVC CASING LONGITUDE	CONTROL NAIL NORTHING	CONTROL NAIL EASTING	CONTROL NAIL ELEVATION	PVC CASING NORTHING	PVC CASING EASTING	TOP OF PVC CASING ELEV.	GROUND ELEVATION	COMMENTS
GWC-37	33.07099933 °	-83.79760828 °	1117239.61	2409635.60	427.38	1117239.70	2409636.56	429.80	427.2	
GWC-38	33.06975458 °	-83.79795117 °	1116787.37	2409532.78	416.23	1116786.45	2409533.11	418.68	416.0	
GWA-39	33.07026066 °	-83.80076113 °	1116968.30	2408672.39	454.59	1116967.57	2408671.68	457.62	454.2	
GWC-40	33.07135310 °	-83.80056612 °	1117365.04	2408731.04	461.25	1117365.24	2408730.04	463.84	461.2	
GWC-41	33.07336732 °	-83.80159552 °	1118096.35	2408413.11	431.70	1118096.97	2408412.15	434.12	431.4	
GWC-42	33.07447862 °	-83.80217405 °	1118501.16	2408234.42	402.57	1118500.68	2408233.53	405.19	402.2	
GWC-43	33.07546760 °	-83.80135092 °	1118860.39	2408484.93	398.42	1118861.38	2408484.42	400.94	398.1	
GWC-44	33.07666407 °	-83.80106739 °	1119296.97	2408571.05	396.83	1119296.99	2408569.76	399.62	396.5	
GWA-45	33.08044161 °	-83.80327246 °	1120668.04	2407891.77	448.33	1120669.03	2407889.56	451.08	448.3	
GWA-46	33.08075220 °	-83.80214114 °	1120781.16	2408236.36	458.37	1120783.23	2408235.69	461.13	458.3	
GWA-47	33.08096707 °	-83.80099979 °	No nail	No nail	463.03*	1120862.63	2408585.01	465.77	462.9	*Pad elev (no nail)
GWA-48	33.08121322 °	-83.79984149 °	1120951.13	2408939.16	459.00	1120953.42	2408939.48	461.73	458.8	
GWA-49	33.08142057 °	-83.79870153 °	1121028.02	2409287.04	430.16	1121030.08	2409288.38	432.88	429.9	
GWC-50	33.07836585 °	-83.79979905 °	1119919.79	2408955.82	404.44	1119917.51	2408956.10	407.16	404.3	
GWC-51	33.07814547 °	-83.80149483 °	1119837.81	2408436.16	407.37	1119835.51	2408436.95	410.15	407.3	
GWC-52	33.07852375 °	-83.80225381 °	1119973.72	2408206.05	414.43	1119972.34	2408203.99	417.13	414.4	
GWC-53	33.07948082 °	-83.80310179 °	1120319.90	2407945.42	433.10	1120319.65	2407943.05	435.83	432.9	
GWA-54	33.07241582 °	-83.80102370 °	1117750.36	2408588.80	448.78	1117751.40	2408588.52	451.49	448.6	



I certify that top of casing and PK nail elevations reflect a relative vertical accuracy of 0.01 feet referencing NAVD88 and were collected using a Topcon DL-502 digital level with closures meeting First Order, Class I level classification. Horizontal positions of casings and PK nails reflect accuracies of 0.50 feet or better and were collected using a JAVAD Triumph-LS dual-frequency RTK global positioning system receiver with eGPS VRS corrections referencing the Georgia State Plane, west zone, NAD83(2011) coordinate system in US survey feet.  
 Issued 7/29/20.

**APPENDIX C**

**STATISTICAL ANALYSES  
MARCH 2020**

## GROUNDWATER STATS CONSULTING

August 26, 2020

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 March 2020

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2020 Semi-Annual Groundwater Monitoring and Statistical Analysis summary of groundwater quality 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 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-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. 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 nondetects. 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 to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. 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. Chromium in well GWC-10 has sufficient samples; however, the earlier portion of the record required deselection due to earlier measurements no longer representing present-day water quality conditions. During the next background update, at least 4 compliance samples will be added to the existing background data set. Additionally, statistical analyses are not required when there are 100% nondetects present in downgradient wells for a given constituent; therefore, no analyses were included for beryllium in this report. 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, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 15 (beryllium was 100% nondetect in all downgradient wells)
- # 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

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 nondetects, 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.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

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.

## **Background Screening Summary – Georgia EPD – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots are 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 nondetects 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 nondetects. 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. All values were re-evaluated during this (March 2020) analysis and an updated 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.

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, they required no adjustments. The following well/constituent pairs did require adjustments to the records in order to use more recent data that do not contain trends and will, therefore, 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 for a constituent analyzed by intrawell limits, by truncating the earlier portion of the record, it is assumed that the trend is not the result of the facility. This assumption is supported by a boxplot across 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 are recommended in lieu of prediction limits. While the trend test shows an increasing trend when the entire record of data is evaluated, an additional trend test which evaluates only the most recent 8 measurements is included and demonstrates 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 at this time. 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. Therefore, of the constituents listed above, interwell analyses are 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 to accommodate the groundwater quality. A summary table of the ANOVA results was included with the previous screening.

### **Background Screening Summary – Appendix III – Conducted in 2017**

The original background screening for Appendix III 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) is typically 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.

## **Statistical Analysis of Georgia EPD Constituents – March 2020**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is 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, combined with a 1-of-2 resample plan, were constructed using all available data within each well with detections through October 2018 for antimony, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, thallium, vanadium, and zinc (Figure D). Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using pooled upgradient well data through March 2020 to develop background limits for arsenic and silver (Figure E). Downgradient measurements will be compared to these interwell background limits during each subsequent semi-annual sampling event. As previously discussed, no statistical analyses were included for constituents which contain 100% nondetects in downgradient wells.

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. Summary tables of the intrawell and

interwell prediction limits and exceedances follow this letter along with the complete graphical results. No statistical exceedances were noted for interwell prediction limits, but for intrawell limits, statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWC-10, GWC-11, GWC-13, and GWC-19
- Cobalt: GWC-8A

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 statistically increasing, decreasing, or stable (Figure F). 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, and the trend test for selenium at well GWC-5 was included with the trend tests for prediction limit exceedances. An additional trend test for selenium at well GWC-5 using the 8 most recent points follows the trend test report to show that more recent concentrations are returning to background. 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. Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWC-10 and GWC-13
- Cobalt: GWC-8A
- Selenium: GWC-5

Decreasing:

- Barium: GWA-16 (upgradient) and GWA-17 (upgradient)
- Cobalt: GWA-15(upgradient)

### **Statistical Analysis of Appendix III Parameters – March 2020**

For Appendix III parameters, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through October 2018 and the March 2020 sample was compared to these limits (Figure G). As mentioned above, intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given

well. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event.

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. The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWC-8A, GWC-12, GWC-13, and GWC-19
- Chloride: GWC-7, GWC-10, GWC-12, and GWC-19
- pH: GWC-19
- Sulfate: GWC-10, GWC-12, GWC-13, and GWA-15 (upgradient)
- TDS: GWC-8A

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 H). 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 for the following well/constituent pairs:

Increasing:

- Calcium: GWC-8A and GWC-13
- Chloride: GWC-10
- Sulfate: GWC-10 and GWC-13

Decreasing:

- Chloride: GWA-16 (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  
Groundwater Analyst



Kristina L. Rayner  
Groundwater Statistician

# 100% Nondetect Well-Constituent Pairs

Date: 6/19/2020 9:56 AM

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-7, 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-6, GWC-7

**Cadmium, 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-7, GWC-9

**Cobalt, Total (ug/L)**

GWC-10, GWC-11, 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

**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 (ug/L)**

GWA-15, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-20, GWC-3, GWC-5, GWC-6, GWC-8A, GWC-9

# Date Ranges

Date: 6/19/2020 9:06 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Chromium, Total (ug/L)

GWC-1 background:5/3/2012-10/2/2018

GWC-10 background:4/13/2016-10/2/2018

Selenium, Total (ug/L)

GWC-5 background:5/24/2015-10/3/2018

Vanadium (mg/L)

GWC-1 background:5/3/2012-10/2/2018

# State Parameters Interwell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:48 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig. Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (ug/L)	GWC-1	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-10	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-11	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-12	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-13	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-14	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-18	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-19	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-2	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-20	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-3	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-4	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-5	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-6	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-7	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-8A	1	n/a	3/18/2020	0.42J	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-9	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Lim Date	Observ.	Sig. Bg	N Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (ug/L)	GWC-10	34.91	n/a	3/18/2020	36	Yes25	24.34	4.121	8	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-11	18	n/a	3/18/2020	19	Yes25	n/a	n/a	8	n/a	n/a	0.002832	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-13	41.77	n/a	3/18/2020	58	Yes25	3.096	0.1457	0	None	x^(1/3)	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-19	19.97	n/a	3/19/2020	25	Yes25	89561	27067	4	None	x^4	0.0002066	Param 1 of 2
Cobalt, Total (ug/L)	GWC-8A	1.1	n/a	3/18/2020	2.7	Yes22	n/a	n/a	63.64	n/a	n/a	0.003707	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (ug/L)	GWA-16	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-12	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-18	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-19	2	n/a	3/19/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-2	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-3	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-7	2	n/a	3/19/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Barium, Total (ug/L)	GWA-15	12.69	n/a	3/18/2020	10	No	25	97.35	24.78	4	None	x^2	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWA-16	31.68	n/a	3/18/2020	27	No	25	25.4	2.449	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWA-17	50.54	n/a	3/18/2020	31	No	25	32.57	7.007	4	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-1	58.31	n/a	3/18/2020	49	No	25	46.62	4.557	0	None	No	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>34.91</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>36</b>	<b>Yes</b>	<b>25</b>	<b>24.34</b>	<b>4.121</b>	<b>8</b>	<b>None</b>	<b>No</b>	<b>0.0002066</b>	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-11</b>	<b>18</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>19</b>	<b>Yes</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002832</b>	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-12	19.05	n/a	3/18/2020	18	No	25	3545	1313	8	None	x^3	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-13</b>	<b>41.77</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>58</b>	<b>Yes</b>	<b>25</b>	<b>3.096</b>	<b>0.1457</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0002066</b>	Param 1 of 2
Barium, Total (ug/L)	GWC-14	10.84	n/a	3/18/2020	9.9J	No	23	7548	2400	4.348	None	x^4	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-18	42.44	n/a	3/18/2020	36	No	25	43231	12957	4	None	x^3	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-19</b>	<b>19.97</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>25</b>	<b>Yes</b>	<b>25</b>	<b>89561</b>	<b>27067</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0002066</b>	Param 1 of 2
Barium, Total (ug/L)	GWC-2	55.66	n/a	3/18/2020	48	No	25	45.08	4.125	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-20	36.17	n/a	3/19/2020	32	No	25	27034	7901	4	None	x^3	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-3	39	n/a	3/18/2020	13	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-4	50.44	n/a	3/19/2020	45	No	25	37.22	5.153	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-5	139.7	n/a	3/18/2020	40	No	25	6.24	2.174	0	None	sqrt(x)	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-6	66.69	n/a	3/18/2020	50	No	25	53.82	5.017	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-7	41.85	n/a	3/19/2020	36	No	25	31.71	3.951	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-8A	113	n/a	3/18/2020	43	No	25	45.78	26.22	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-9	36.36	n/a	3/18/2020	13	No	25	22.99	5.214	4	None	No	0.0002066	Param 1 of 2
Cadmium, Total (ug/L)	GWA-17	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-8A	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-15	3.6	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-16	8.848	n/a	3/18/2020	4.4	No	25	2.184	0.3081	4	None	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWA-17	10.91	n/a	3/18/2020	8.3	No	25	6.728	1.632	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-1	17.76	n/a	3/18/2020	14	No	19	12.68	1.865	0	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-10	20.49	n/a	3/18/2020	20	No	11	16.56	1.189	0	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-11	12	n/a	3/18/2020	8.6	No	25	n/a	n/a	4	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-12	3.1	n/a	3/18/2020	1.6J	No	25	n/a	n/a	44	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-13	8.343	n/a	3/18/2020	8	No	24	2.116	0.2984	0	None	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-14	3.6	n/a	3/18/2020	2ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWC-18	20	n/a	3/18/2020	14	No	25	n/a	n/a	0	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-19	14.93	n/a	3/19/2020	12	No	25	8.719	2.422	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-2	12.92	n/a	3/18/2020	11	No	25	98.38	26.78	8	None	x^2	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-20	14.58	n/a	3/19/2020	9.4	No	25	9.018	2.168	8	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-3	22	n/a	3/18/2020	4.9	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-4	10.56	n/a	3/19/2020	4.5	No	25	6.12	1.731	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-5	10.96	n/a	3/18/2020	5.2	No	25	1.377	0.3969	4	None	ln(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-6	12	n/a	3/18/2020	4.6	No	25	n/a	n/a	8	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-7	16.72	n/a	3/19/2020	11	No	25	2.284	0.2076	0	None	ln(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-8A	28.69	n/a	3/18/2020	2ND	No	24	2.572	1.076	33.33	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-9	12.37	n/a	3/18/2020	6.6	No	25	7.579	1.867	4	None	No	0.0002066	Param 1 of 2
Cobalt, Total (ug/L)	GWA-15	2.5	n/a	3/18/2020	1.7J	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-16	0.4	n/a	3/18/2020	0.34J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-17	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-1	2.5	n/a	3/18/2020	0.17J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-12	0.49	n/a	3/18/2020	0.13J	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-18	0.4	n/a	3/18/2020	0.18J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-19	0.4	n/a	3/19/2020	0.14J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (ug/L)	GWC-2	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-20	0.5	n/a	3/19/2020	0.26J	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-3	0.42	n/a	3/18/2020	0.14J	No	23	n/a	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-4	2.5	n/a	3/19/2020	0.21J	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-5	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-6	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-7	0.4	n/a	3/19/2020	0.13J	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
<b>Cobalt, Total (ug/L)</b>	<b>GWC-8A</b>	<b>1.1</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>2.7</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>63.64</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-9	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	3/19/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	3/18/2020	0.002ND	No	19	n/a	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0037	n/a	3/19/2020	0.002ND	No	20	n/a	n/a	n/a	55	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	3/19/2020	0.002ND	No	19	n/a	n/a	n/a	78.95	n/a	n/a	0.004832	NP (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.1944	n/a	3/18/2020	0.002ND	No	20	0.1545	0.1068	20	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2	
Copper (mg/L)	GWC-9	0.0038	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWA-16	5.1	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWA-17	3.4	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	76	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-1	8.5	n/a	3/18/2020	0.23J	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-10	7	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-11	5.1	n/a	3/18/2020	1.7	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-13	3.6	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-14	2.8	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-18	5.2	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-19	5.6	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	60	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-2	6.3	n/a	3/18/2020	0.14J	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-20	5.6	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	68	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-3	11	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-4	6.2	n/a	3/19/2020	0.19J	No	25	n/a	n/a	n/a	68	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-5	7.1	n/a	3/18/2020	1ND	No	24	n/a	n/a	n/a	79.17	n/a	n/a	0.003124	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-6	6.7	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-7	6.4	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-8A	8.5	n/a	3/18/2020	1ND	No	23	n/a	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-9	6.9	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig. Bg	N Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-7	0.0002	n/a	3/19/2020	0.00011J	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	3/18/2020	0.0002ND	No 25	n/a	n/a	80	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	3/18/2020	0.0002ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	3/18/2020	0.00043J	No 20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	3/18/2020	0.001ND	No 19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.001	n/a	3/18/2020	0.001ND	No 20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	3/18/2020	0.00056J	No 19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	3/18/2020	0.0016	No 20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	3/18/2020	0.0005J	No 20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	3/18/2020	0.0006J	No 20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	3/18/2020	0.00061J	No 20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0018	n/a	3/18/2020	0.00034J	No 19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	3/19/2020	0.00047J	No 19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	3/18/2020	0.0016	No 19	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	3/19/2020	0.00098J	No 19	n/a	n/a	89.47	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	3/18/2020	0.00091J	No 17	n/a	n/a	82.35	n/a	n/a	0.005914	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0021	n/a	3/19/2020	0.00073J	No 20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	3/18/2020	0.00068J	No 19	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	3/18/2020	0.00062J	No 20	n/a	n/a	80	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	3/19/2020	0.001ND	No 20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	3/18/2020	0.0044	No 18	n/a	n/a	55.56	n/a	n/a	0.005373	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	3/18/2020	0.001ND	No 20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-15	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-16	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-17	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-1	5.3	n/a	3/18/2020	5ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-10	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-11	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-12	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-14	5.2	n/a	3/18/2020	5ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-18	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-19	5	n/a	3/19/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-2	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-3	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-6	7	n/a	3/18/2020	5ND	No 25	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-7	5.3	n/a	3/19/2020	5ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-8A	5	n/a	3/18/2020	5ND	No 25	n/a	n/a	84	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-9	6.5	n/a	3/18/2020	5ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-16	1	n/a	3/18/2020	1ND	No 25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-17	1	n/a	3/18/2020	1ND	No 25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-1	0.5	n/a	3/18/2020	0.49J	No 25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-2	0.5	n/a	3/18/2020	0.25J	No 25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-4	0.5	n/a	3/19/2020	0.36J	No 25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-7	1	n/a	3/19/2020	1ND	No 25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	3/18/2020	0.0011	No 20	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01265	n/a	3/18/2020	0.0078	No 20	0.007093	0.002072	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWA-17	0.00892	n/a	3/18/2020	0.0051	No 20	0.06136	0.01234	20	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-1	0.0249	n/a	3/18/2020	0.02	No 14	0.01659	0.00277	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-10	0.01765	n/a	3/18/2020	0.013	No 20	0.01167	0.002231	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-11	0.01392	n/a	3/18/2020	0.011	No 20	0.01016	0.001399	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-12	0.0032	n/a	3/18/2020	0.001ND	No 20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.004	n/a	3/18/2020	0.001	No 20	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0026	n/a	3/18/2020	0.001ND	No 20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	3/18/2020	0.0075	No 20	n/a	n/a	5	n/a	n/a	0.004291	NP (normality) 1 of 2
Vanadium (mg/L)	GWC-19	0.01064	n/a	3/19/2020	0.008	No 20	0.006973	0.001367	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-2	0.01974	n/a	3/18/2020	0.016	No 20	0.01302	0.002504	5	None	No	0.0002066	Param 1 of 2



# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 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-20	0.02415	n/a	3/19/2020	0.019	No	20	0.01705	0.002645	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-3	0.01177	n/a	3/18/2020	0.0051	No	19	0.07988	0.01051	5.263	None	sqrt(x)	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-4	0.01212	n/a	3/19/2020	0.0065	No	20	0.007587	0.001689	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-5	0.007229	n/a	3/18/2020	0.002	No	20	0.00323	0.001491	30	Kaplan-Meier	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-6	0.01309	n/a	3/18/2020	0.0099	No	20	0.008558	0.001688	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-7	0.01745	n/a	3/19/2020	0.014	No	20	0.0001663	0.00005149	5	None	x^2	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-8A	0.04745	n/a	3/18/2020	0.0031	No	17	0.0168	0.01093	5.882	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-9	0.02669	n/a	3/18/2020	0.012	No	20	0.01594	0.004006	5	None	No	0.0002066	Param 1 of 2
Zinc (mg/L)	GWA-15	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0073	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.007	n/a	3/18/2020	0.005ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	3/18/2020	0.005	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0071	n/a	3/18/2020	0.0052	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.005	n/a	3/18/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	3/18/2020	0.0045J	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.1221	n/a	3/18/2020	0.005ND	No	17	0.147	0.07218	29.41	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2

# State Parameters Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:54 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>
Barium, Total (ug/L)	GWA-16 (bg)	-0.5681	-157	-131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWA-17 (bg)	-1.302	-158	-131	Yes	28	3.571	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-10	0.8154	201	131	Yes	28	7.143	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-13	0.83	162	131	Yes	28	0	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWA-15 (bg)	-0.08896	-135	-124	Yes	27	55.56	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWC-8A	0.05141	148	111	Yes	25	56	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWC-5	1.678	138	131	Yes	28	42.86	n/a	n/a	0.01	NP

# State Parameters Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (ug/L)	GWA-15 (bg)	0	-19	-131	No	28	3.571	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.5681</b>	<b>-157</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>
<b>Barium, Total (ug/L)</b>	<b>GWA-17 (bg)</b>	<b>-1.302</b>	<b>-158</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>3.571</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>0.8154</b>	<b>201</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>7.143</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (ug/L)	GWC-11	0	-64	-131	No	28	7.143	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWC-13</b>	<b>0.83</b>	<b>162</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 (ug/L)	GWC-19	0.1601	102	131	No	28	3.571	n/a	n/a	0.01	NP
<b>Cobalt, Total (ug/L)</b>	<b>GWA-15 (bg)</b>	<b>-0.08896</b>	<b>-135</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>55.56</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Cobalt, Total (ug/L)	GWA-16 (bg)	0	-49	-124	No	27	88.89	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWA-17 (bg)	0	-27	-131	No	28	92.86	n/a	n/a	0.01	NP
<b>Cobalt, Total (ug/L)</b>	<b>GWC-8A</b>	<b>0.05141</b>	<b>148</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>
Selenium, Total (ug/L)	GWA-15 (bg)	0	-13	-131	No	28	96.43	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWA-16 (bg)	0	-22	-131	No	28	89.29	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWA-17 (bg)	0	-7	-131	No	28	92.86	n/a	n/a	0.01	NP
<b>Selenium, Total (ug/L)</b>	<b>GWC-5</b>	<b>1.678</b>	<b>138</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>42.86</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 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-12	1.461	n/a	3/18/2020	1.6	Yes	11	1.063	0.1355	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-13	7.811	n/a	3/18/2020	9.3	Yes	11	6.186	0.5526	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-19	13.6	n/a	3/19/2020	14	Yes	11	10.72	0.9806	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	3/18/2020	53	Yes	10	25.9	6.402	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-10	2.684	n/a	3/18/2020	4.1	Yes	11	2.24	0.151	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-12	2.068	n/a	3/18/2020	2.1	Yes	11	1.709	0.1221	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-19	2.038	n/a	3/19/2020	2.2	Yes	11	1.731	0.1044	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-7	2	n/a	3/19/2020	2.1	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.51	6.35	3/19/2020	6.27	Yes	14	n/a	n/a	0	n/a	n/a	0.01722	NP (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	1.2	n/a	3/18/2020	3.1	Yes	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.408	n/a	3/18/2020	2.4	Yes	11	0.7273	0.2315	27.27	Kaplan-Meier	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	0.7	n/a	3/18/2020	1.3	Yes	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	0.7	n/a	3/18/2020	25	Yes	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	243.6	n/a	3/18/2020	300	Yes	9	184.3	18.14	0	None	No	0.0004426	Param 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 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-15	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-16	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-17	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-14	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	3/19/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-2	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	3/19/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-4	0.08	n/a	3/19/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6949	n/a	3/18/2020	0.26	No	11 0.3662	0.1118	9.091	None	No	0.0004426	Param 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	3/18/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	3/19/2020	0.08ND	No	11 n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3698	n/a	3/18/2020	0.16	No	10 0.1925	0.05799	0	None	No	0.0004426	Param 1 of 2
Boron, total (mg/L)	GWC-9	0.136	n/a	3/18/2020	0.058J	No	11 0.09197	0.01496	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWA-15	5.715	n/a	3/18/2020	3.8	No	11 4.238	0.502	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWA-16	15.17	n/a	3/18/2020	12	No	11 11.63	1.205	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWA-17	8.816	n/a	3/18/2020	7.3	No	11 6.435	0.8099	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-1	21.22	n/a	3/18/2020	19	No	11 17.08	1.406	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-10	20.38	n/a	3/18/2020	20	No	11 16.18	1.427	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-11	15.38	n/a	3/18/2020	14	No	11 12.58	0.9527	0	None	No	0.0004426	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-12</b>	<b>1.461</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>1.6</b>	<b>Yes11</b>	<b>1.063</b>	<b>0.1355</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-13</b>	<b>7.811</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>9.3</b>	<b>Yes11</b>	<b>6.186</b>	<b>0.5526</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-14	7.734	n/a	3/18/2020	6.9	No	11 6.326	0.4788	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-18	12.43	n/a	3/18/2020	11	No	11 10.34	0.7117	0	None	No	0.0004426	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-19</b>	<b>13.6</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>14</b>	<b>Yes11</b>	<b>10.72</b>	<b>0.9806</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-2	21.47	n/a	3/18/2020	18	No	11 17.25	1.436	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-20	16.51	n/a	3/19/2020	14	No	11 13.5	1.025	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-3	11.03	n/a	3/18/2020	5.9	No	11 8.484	0.867	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-4	17.38	n/a	3/19/2020	14	No	11 12.27	1.738	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-5	221.6	n/a	3/18/2020	61	No	11 126.5	32.34	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-6	21.43	n/a	3/18/2020	15	No	11 18.3	1.063	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-7	16.62	n/a	3/19/2020	15	No	11 13.98	0.8965	0	None	No	0.0004426	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>45.47</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>53</b>	<b>Yes10</b>	<b>25.9</b>	<b>6.402</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-9	20.4	n/a	3/18/2020	16	No	11 17.34	1.041	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWA-15	6.429	n/a	3/18/2020	5.4	No	11 1.684	0.06022	0	None	ln(x)	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWA-16	2.185	n/a	3/18/2020	1.7	No	11 1.681	0.1714	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWA-17	2.013	n/a	3/18/2020	2	No	11 1.599	0.1407	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-1	4.646	n/a	3/18/2020	4.2	No	11 3.911	0.25	0	None	No	0.0004426	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.684</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>4.1</b>	<b>Yes11</b>	<b>2.24</b>	<b>0.151</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Chloride, Total (mg/L)	GWC-11	2.095	n/a	3/18/2020	1.9	No	11 1.771	0.11	0	None	No	0.0004426	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-12</b>	<b>2.068</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>2.1</b>	<b>Yes11</b>	<b>1.709</b>	<b>0.1221</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Chloride, Total (mg/L)	GWC-13	2.066	n/a	3/18/2020	1.6	No	11 1.529	0.1825	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-14	3.353	n/a	3/18/2020	3	No	11 2.901	0.1537	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-18	2.729	n/a	3/18/2020	2.7	No	11 2.448	0.09558	0	None	No	0.0004426	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.038</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>2.2</b>	<b>Yes11</b>	<b>1.731</b>	<b>0.1044</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Chloride, Total (mg/L)	GWC-2	2.621	n/a	3/18/2020	2.4	No	11 2.167	0.1542	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-20	2.468	n/a	3/19/2020	2.2	No	11 7.164	2.677	9.091	None	x^3	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-3	3.838	n/a	3/18/2020	2.8	No	11 3.331	0.1724	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-4	17.66	n/a	3/19/2020	8.7	No	11 6.897	3.661	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-5	139	n/a	3/18/2020	30	No	11 79.36	20.28	0	None	No	0.0004426	Param 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg	N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-6	8.922	n/a	3/18/2020	4	No	10	6.26	0.8708	0	None	None	No	0.0004426	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-7</b>	<b>2</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>2.1</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	8.684	n/a	3/18/2020	8.5	No	10	7.2	0.4853	0	None	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-9	4.55	n/a	3/18/2020	3.4	No	11	3.622	0.3157	0	None	None	No	0.0004426	Param 1 of 2
Fluoride, total (mg/L)	GWA-15	0.1	n/a	3/18/2020	0.036J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	3/18/2020	0.041J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	3/18/2020	0.071J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1038	n/a	3/18/2020	0.098J	No	11	0.00003886	0.00002632	45.45	Kaplan-Meier	x^4	0.0004426	Param 1 of 2	
Fluoride, total (mg/L)	GWC-10	0.082	n/a	3/18/2020	0.088J	No	11	n/a	n/a	81.82	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	3/18/2020	0.064J	No	11	n/a	n/a	81.82	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.082	n/a	3/18/2020	0.046J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	3/18/2020	0.055J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.082	n/a	3/18/2020	0.068J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	3/18/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	3/18/2020	0.055J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.082	n/a	3/18/2020	0.091J	No	11	n/a	n/a	81.82	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1735	n/a	3/19/2020	0.038J	No	11	0.1013	0.02454	0	None	None	No	0.0004426	Param 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	3/18/2020	0.055J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	3/18/2020	0.082J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	81.82	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2372	n/a	3/18/2020	0.073J	No	10	0.126	0.03637	0	None	None	No	0.0004426	Param 1 of 2
Fluoride, total (mg/L)	GWC-9	0.084	n/a	3/18/2020	0.096J	No	11	n/a	n/a	72.73	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.747	5.249	3/18/2020	5.42	No	15	5.498	0.0942	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWA-16	6.583	6.182	3/18/2020	6.29	No	15	6.383	0.07611	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWA-17	6.36	5.573	3/18/2020	6.03	No	15	5.966	0.149	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-1	6.772	6.262	3/18/2020	6.53	No	15	6.517	0.09662	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-10	6.663	5.991	3/18/2020	6.34	No	15	6.327	0.1274	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-11	6.38	5.957	3/18/2020	6.17	No	14	6.169	0.07843	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-12	5.46	4.819	3/18/2020	5.19	No	15	5.139	0.1214	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-13	6.07	5.637	3/18/2020	5.81	No	16	41061	3479	0	None	x^6	0.0002213	Param 1 of 2	
pH, Field (S.U.)	GWC-14	5.865	5.331	3/18/2020	5.61	No	14	5.598	0.09885	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-18	6.472	6.144	3/18/2020	6.32	No	15	6.308	0.06213	0	None	None	No	0.0002213	Param 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-19</b>	<b>6.51</b>	<b>6.35</b>	<b>3/19/2020</b>	<b>6.27</b>	<b>Yes</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01722</b>	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	3/18/2020	6.41	No	14	n/a	n/a	0	n/a	n/a	n/a	0.01722	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-20	6.689	6.321	3/19/2020	6.47	No	15	6.505	0.06978	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-3	6.117	5.731	3/18/2020	5.9	No	15	5.924	0.07327	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-4	6.607	5.933	3/19/2020	6.32	No	15	6.27	0.1276	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-5	6.124	5.327	3/18/2020	5.81	No	15	5.725	0.1511	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-6	6.343	6.035	3/18/2020	6.19	No	15	2.488	0.01171	0	None	sqrt(x)	0.0002213	Param 1 of 2	
pH, Field (S.U.)	GWC-7	6.42	5.96	3/19/2020	6.41	No	14	n/a	n/a	0	n/a	n/a	n/a	0.01722	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.523	5.769	3/18/2020	6.42	No	18	6.646	0.3493	0	None	None	No	0.0002213	Param 1 of 2
pH, Field (S.U.)	GWC-9	6.916	6.262	3/18/2020	6.61	No	15	6.589	0.1239	0	None	None	No	0.0002213	Param 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWA-15</b>	<b>1.2</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>3.1</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>72.73</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	3/18/2020	0.67J	No	11	n/a	n/a	100	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	0.7	n/a	3/18/2020	0.51J	No	11	n/a	n/a	100	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	3/18/2020	0.84J	No	11	n/a	n/a	54.55	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>1.408</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>2.4</b>	<b>Yes</b>	<b>11</b>	<b>0.7273</b>	<b>0.2315</b>	<b>27.27</b>	<b>Kaplan-Meier</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Sulfate as SO4 (mg/L)	GWC-11	1	n/a	3/18/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-12</b>	<b>0.7</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>1.3</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>90.91</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.7</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>25</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>81.82</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	3/18/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	0.7	n/a	3/18/2020	0.62J	No	11	n/a	n/a	100	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1	n/a	3/19/2020	0.64J	No	11	n/a	n/a	100	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.7	n/a	3/18/2020	0.59J	No	11	n/a	n/a	90.91	n/a	n/a	n/a	0.01276	NP (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig. Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	3/19/2020	0.71J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	3/18/2020	0.6J	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.762	n/a	3/19/2020	4.6	No	11	2.996	1.28	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	652.6	n/a	3/18/2020	170	No	11	392.3	88.53	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	18.05	n/a	3/18/2020	5.6	No	11	10.87	2.441	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	0.7	n/a	3/19/2020	0.54J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	47.6	n/a	3/18/2020	16	No	10	35.37	3.999	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	18.57	n/a	3/18/2020	6.9	No	11	10.56	2.725	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	77.6	n/a	3/18/2020	43	No	11	36.23	14.07	9.091	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	168.3	n/a	3/18/2020	93	No	11	97.36	24.13	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	150.4	n/a	3/18/2020	75	No	11	66	28.72	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	169.9	n/a	3/18/2020	130	No	11	130.6	13.36	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.9	n/a	3/18/2020	140	No	10	123.7	18.7	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	326.5	n/a	3/18/2020	100	No	11	4.684	0.3756	0	None	ln(x)	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	124.8	n/a	3/18/2020	26	No	11	4.14	2.39	36.36	Kaplan-Meier	sqrt(x)	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	122.5	n/a	3/18/2020	100	No	10	56.2	21.69	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	113.8	n/a	3/18/2020	57	No	11	57.09	19.29	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	129.5	n/a	3/18/2020	92	No	11	84.09	15.44	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	175.6	n/a	3/19/2020	110	No	11	86.82	30.2	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	204.2	n/a	3/18/2020	140	No	11	111.2	31.62	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	152.7	n/a	3/19/2020	120	No	11	101.7	17.32	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	117	n/a	3/18/2020	72	No	11	82.18	11.85	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	173.3	n/a	3/19/2020	130	No	11	115.5	19.65	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1520	n/a	3/18/2020	430	No	11	978.2	184.3	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	190.4	n/a	3/18/2020	140	No	11	149.3	13.98	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	164.3	n/a	3/19/2020	98	No	11	118.9	15.45	0	None	No	0.0004426	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>243.6</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>300</b>	<b>Yes</b>	<b>9</b>	<b>184.3</b>	<b>18.14</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	261.2	n/a	3/18/2020	130	No	11	139.8	41.28	0	None	No	0.0004426	Param 1 of 2

# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:30 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-13	0.4812	62	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-8A	9.134	65	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.1079	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.2	69	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3033	74	48	Yes	14	21.43	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-13	0.04521	51	48	Yes	14	64.29	n/a	n/a	0.01	NP



# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:30 AM

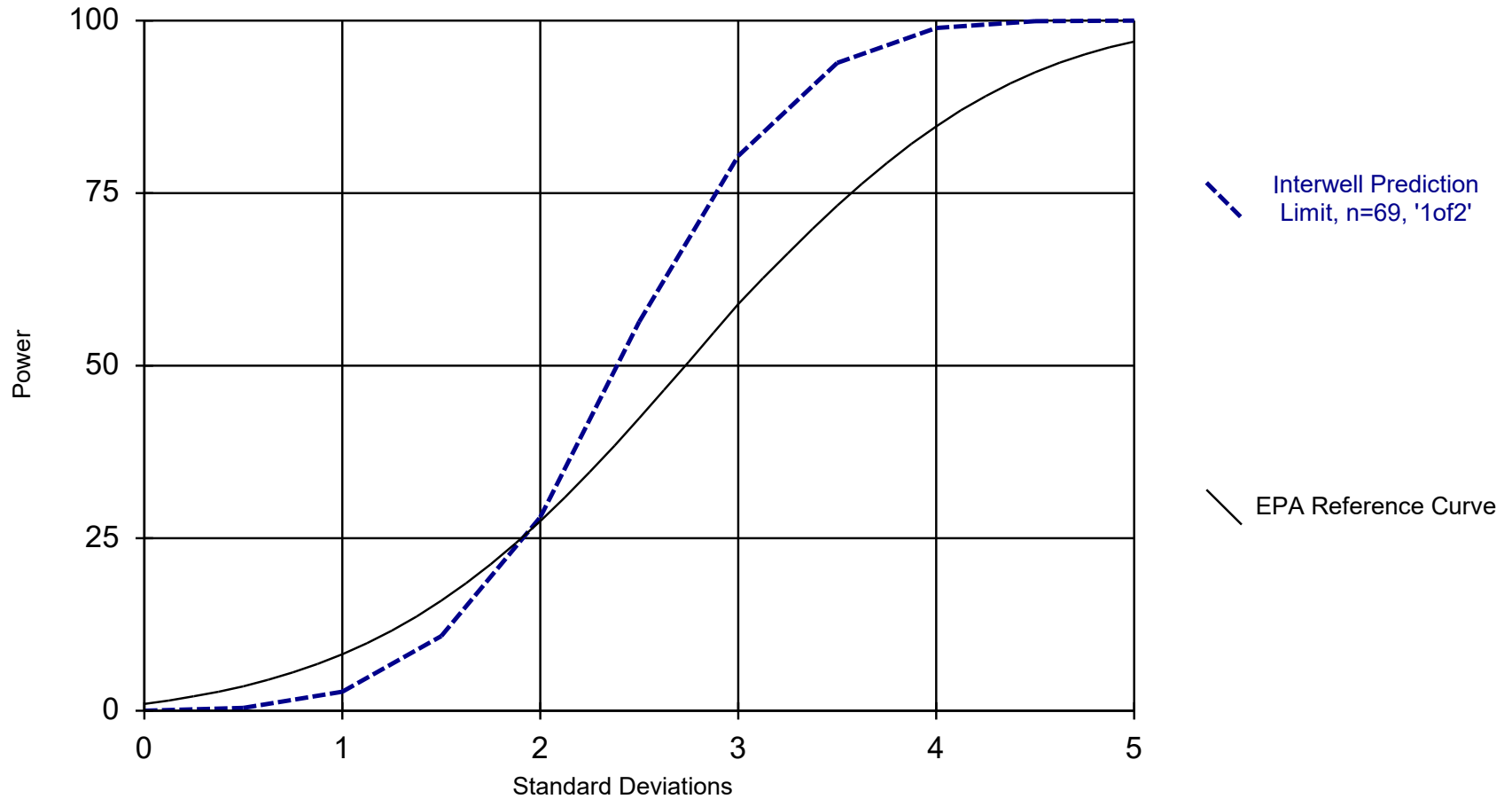
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-15 (bg)	0.036	8	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.1448	20	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-12	0	0	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-13</b>	<b>0.4812</b>	<b>62</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	GWC-19	0.6697	37	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>9.134</b>	<b>65</b>	<b>43</b>	<b>Yes</b>	<b>13</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)	0.01468	12	48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.1079</b>	<b>-55</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1214	-46	-48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.2</b>	<b>69</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWC-12	0	-16	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	-0.05163	-24	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0	4	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.02932	-62	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	4	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04318	44	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.005483	-21	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0	13	48	No	14	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-13	-48	No	14	92.86	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-34	-48	No	14	78.57	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.3033</b>	<b>74</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>21.43</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-12	0	4	48	No	14	71.43	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.04521</b>	<b>51</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>64.29</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	1.166	8	48	No	14	7.143	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	0	-5	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	2.388	10	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	21.52	29	38	No	12	0	n/a	n/a	0.01	NP

# State Parameter Trend Tests - Selenium GWC-5

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 12:46 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>
Selenium, Total (ug/L)	GWC-5	-13.9	-21	-21	No	8	0	n/a	n/a	0.01	NP

## State Parameter Interwell Power Curve

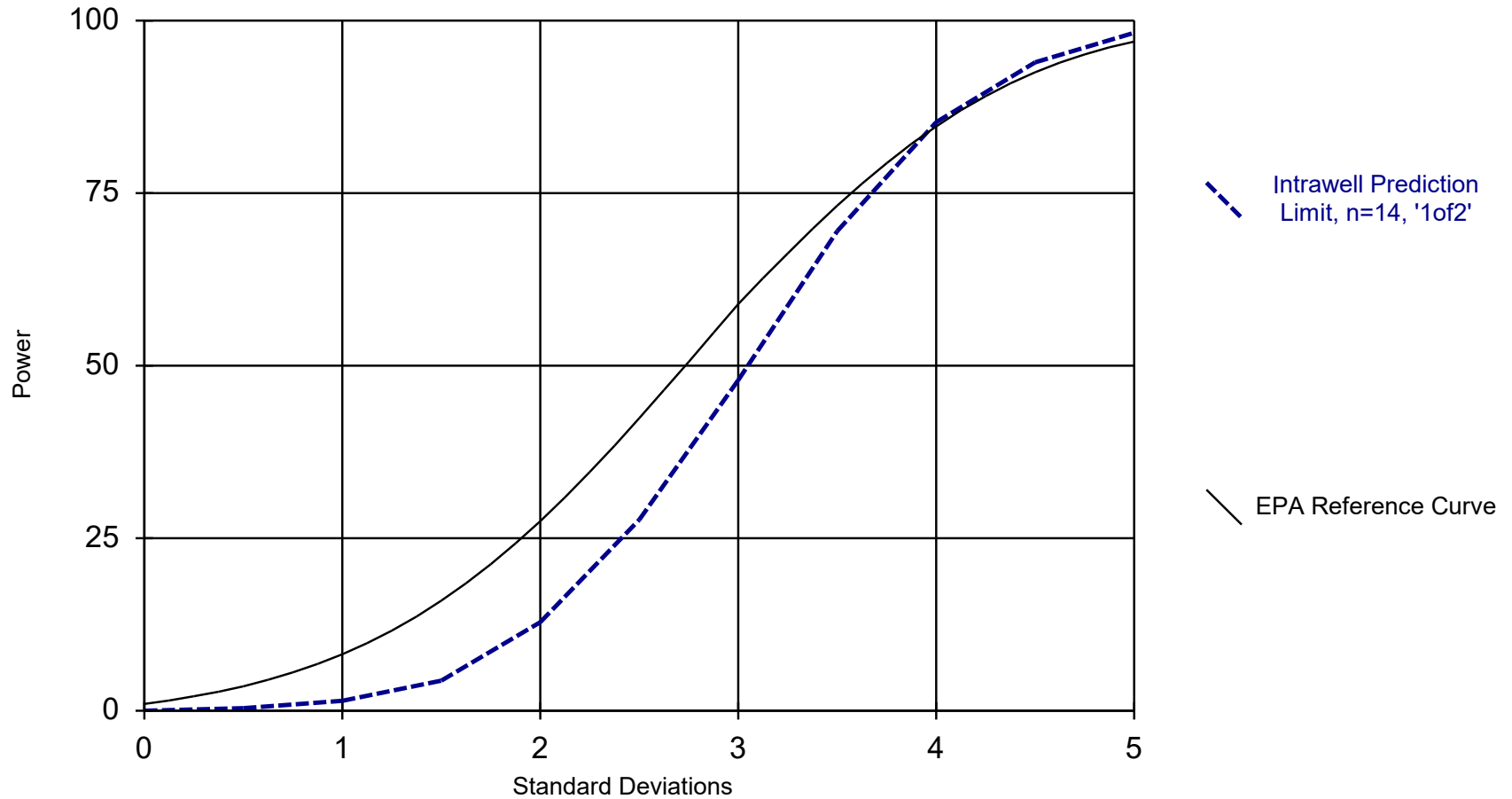


Kappa = 2.303, based on 17 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 12:10 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### State Parameter Intrawell Power Curve

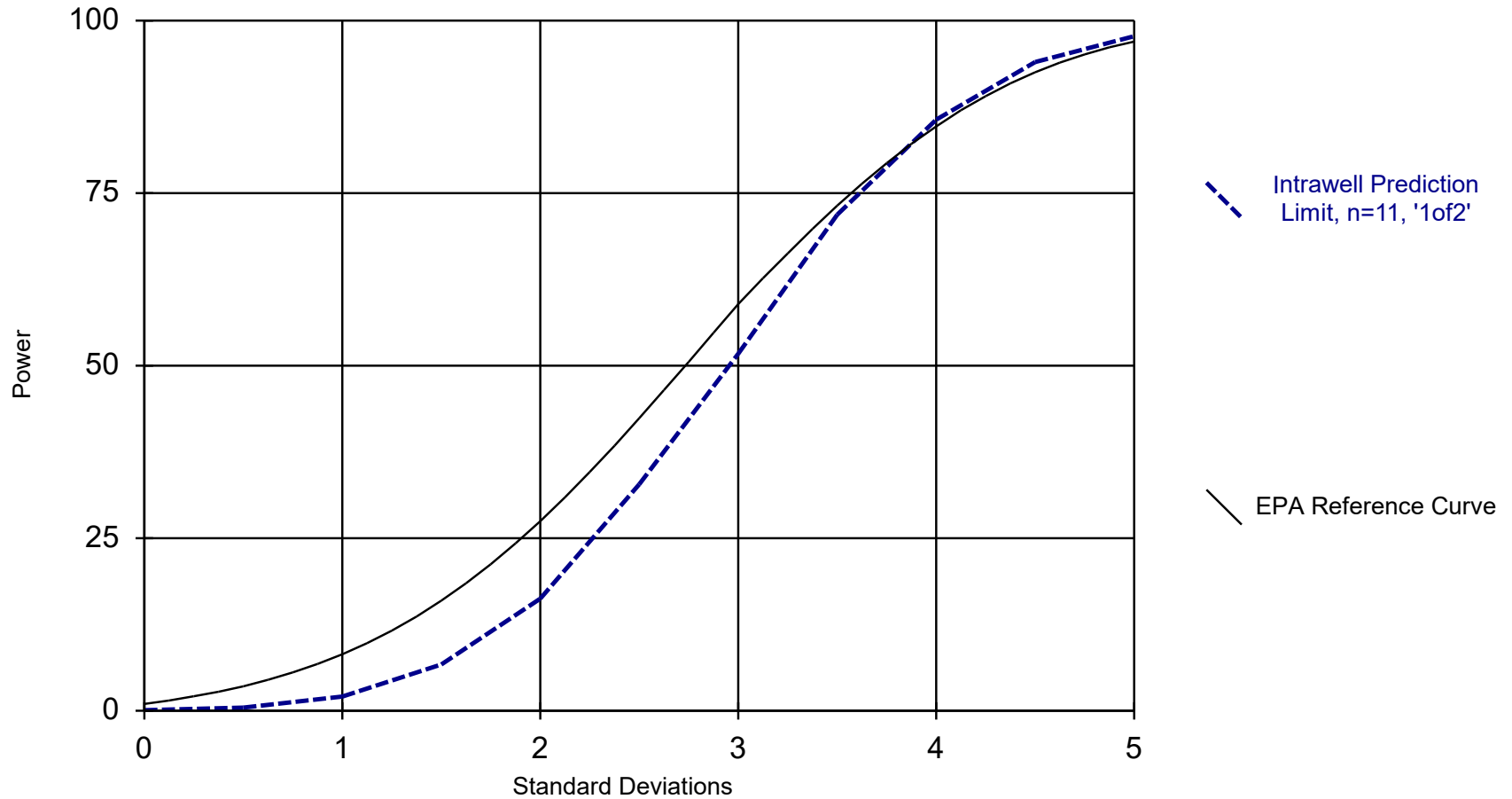


Kappa = 2.999, based on 17 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/19/2020 12:54 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Appendix III Intrawell Power Curve



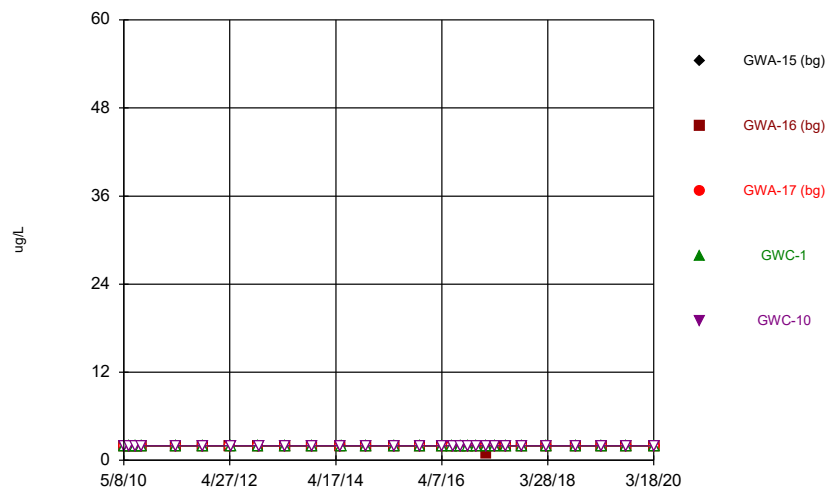
Kappa = 2.941, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 12:09 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

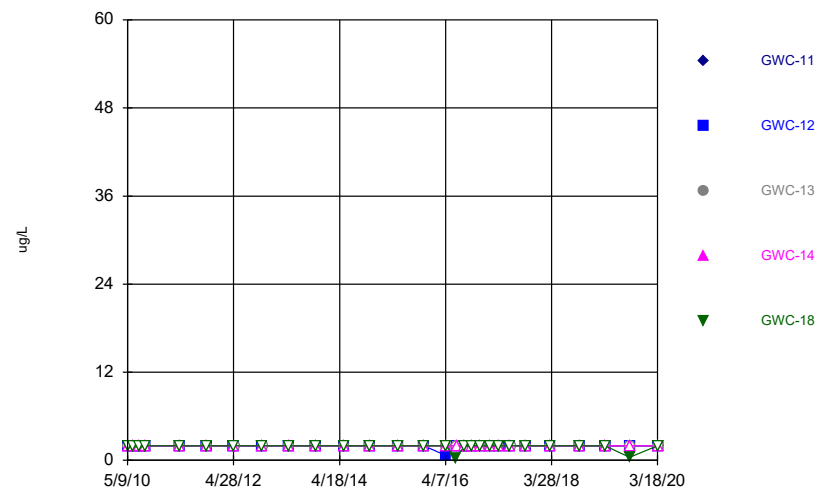
FIGURE A.

### Time Series



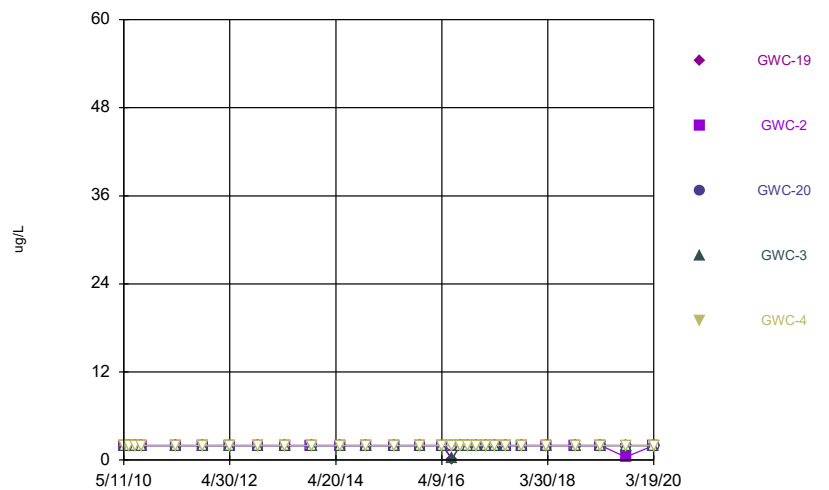
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



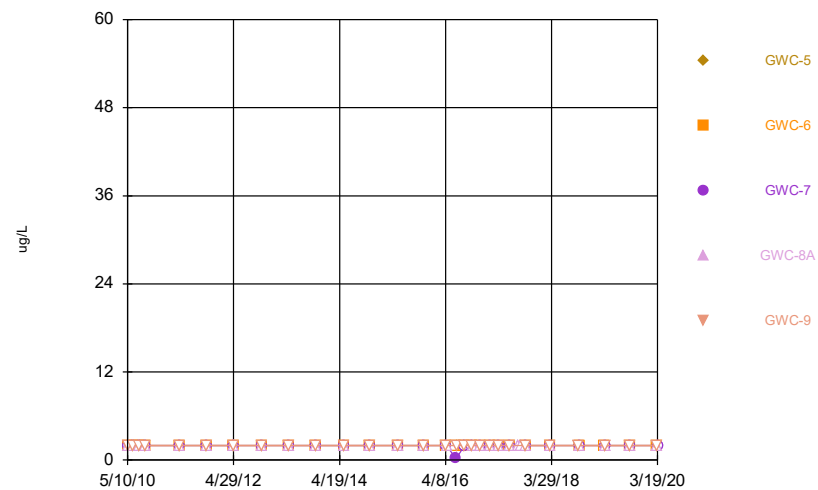
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### Time Series



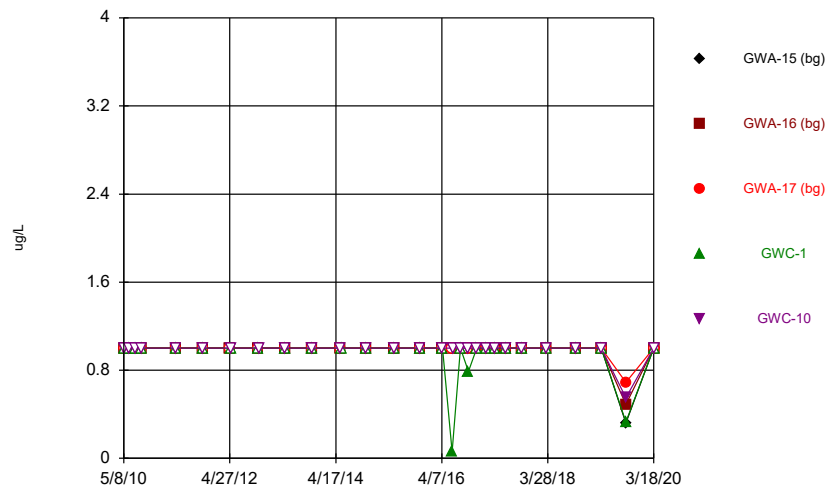
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### Time Series



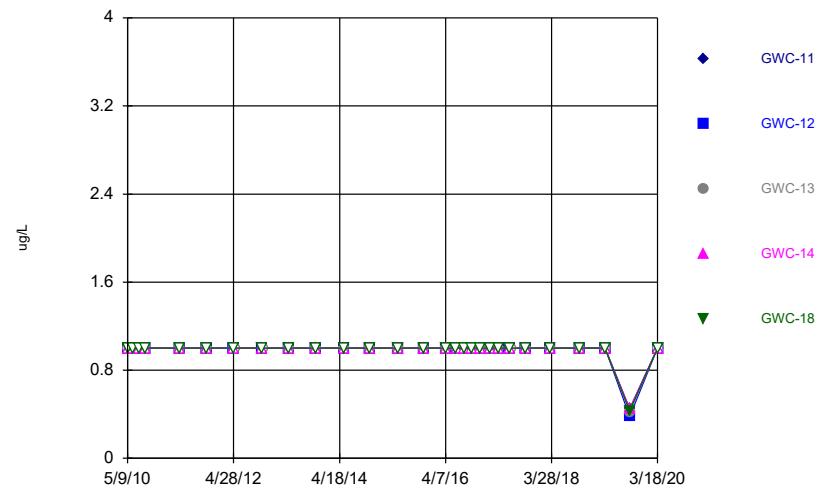
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Time Series



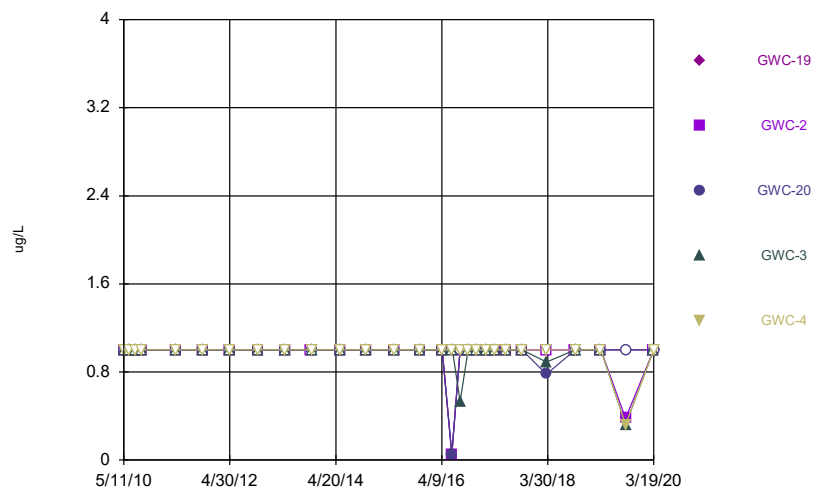
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Time Series



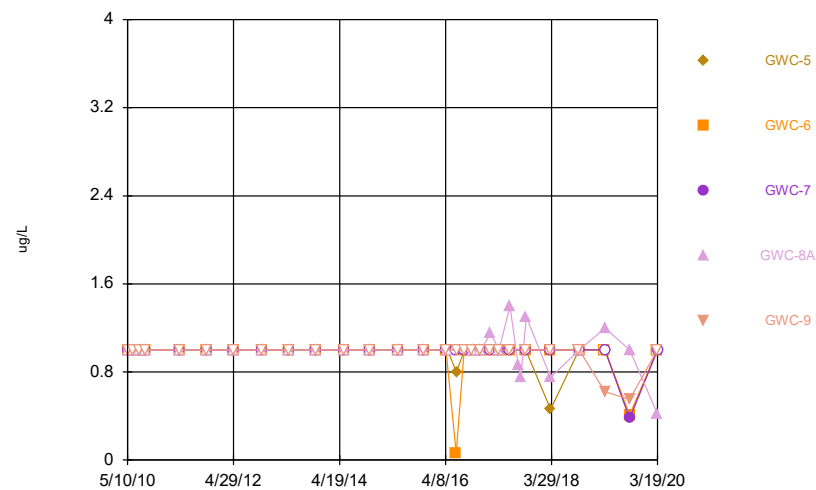
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



Constituent: Arsenic, Total Analysis Run 6/19/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

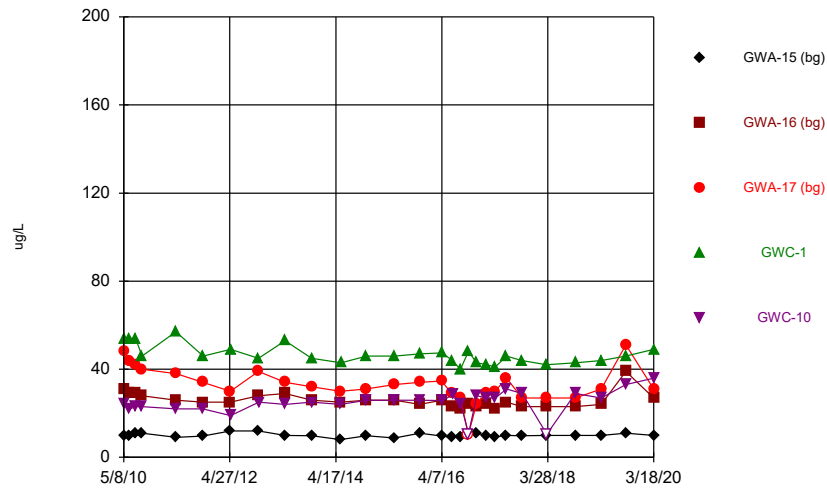
Time Series



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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

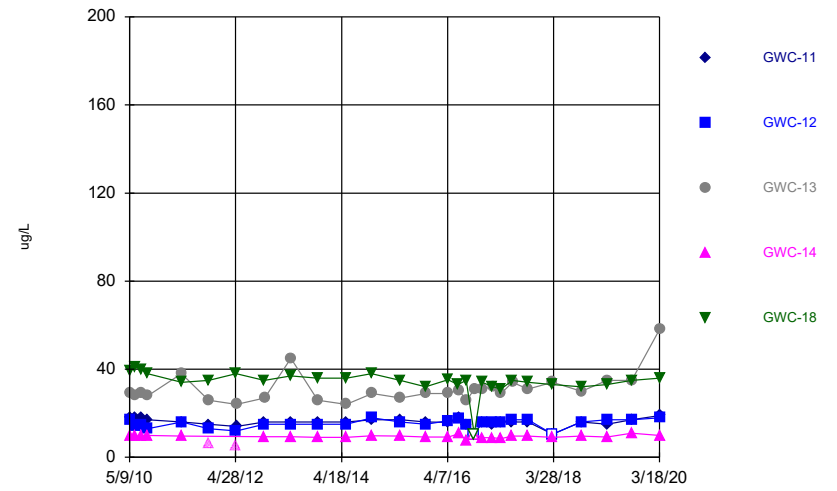


### Time Series



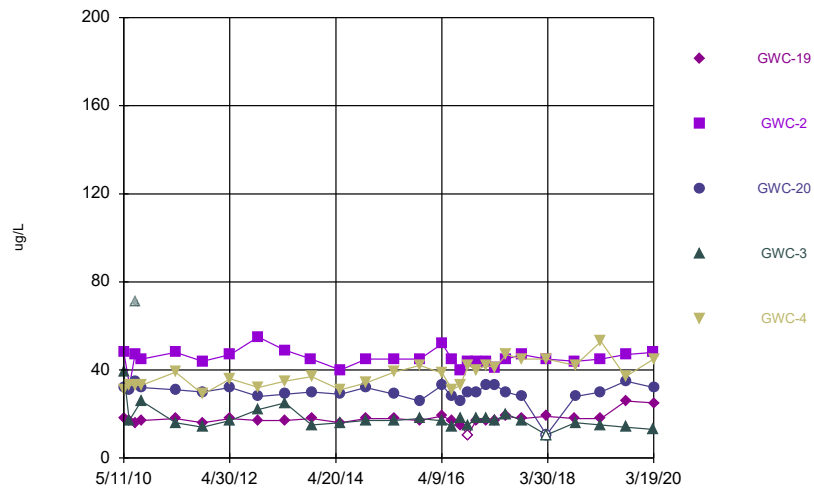
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### Time Series



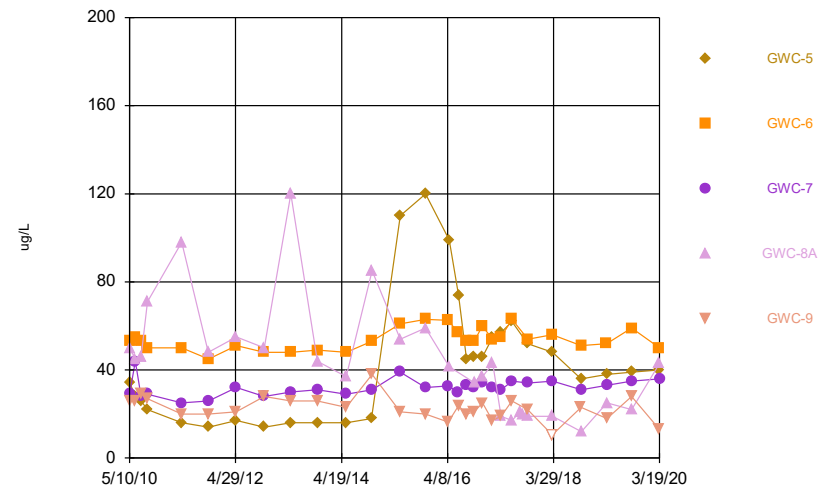
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



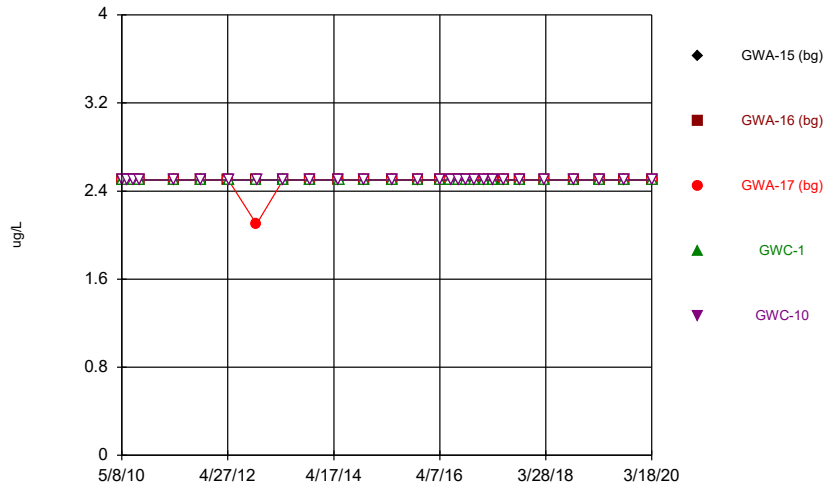
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



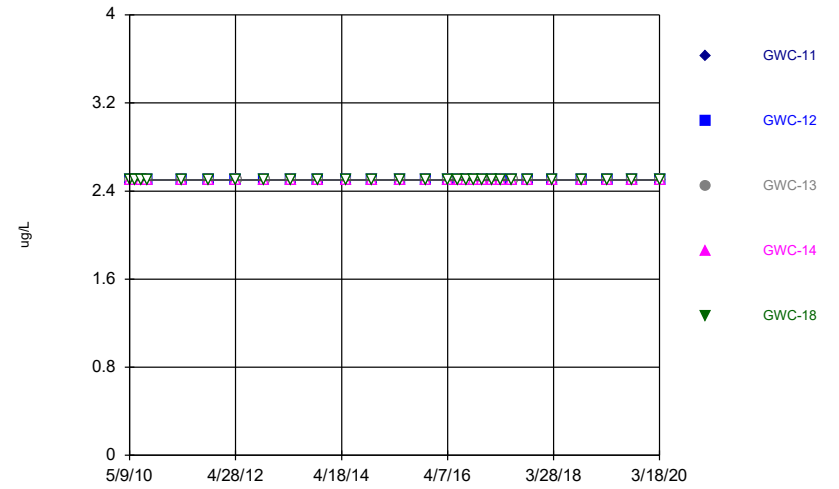
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



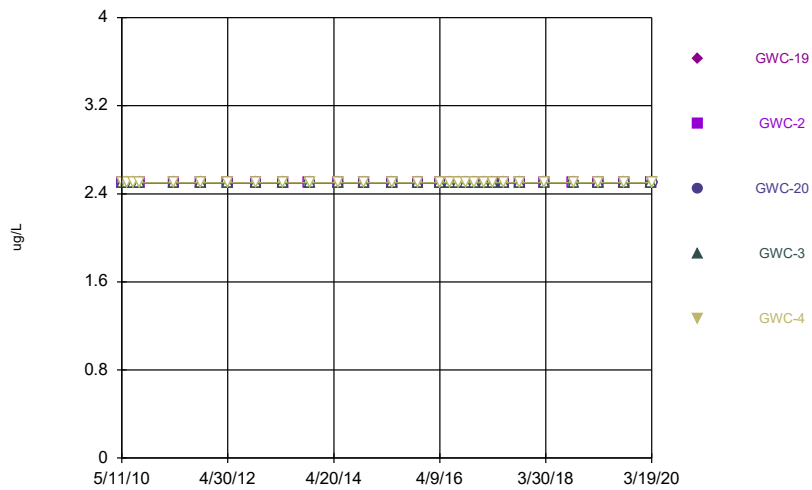
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



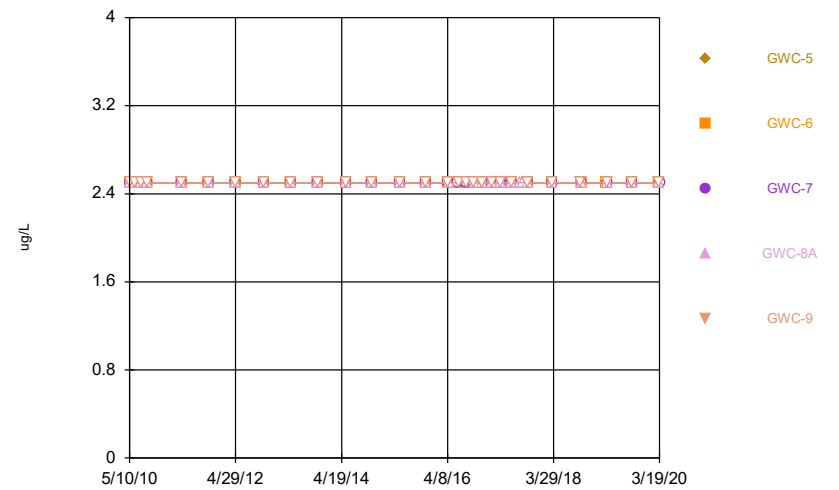
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



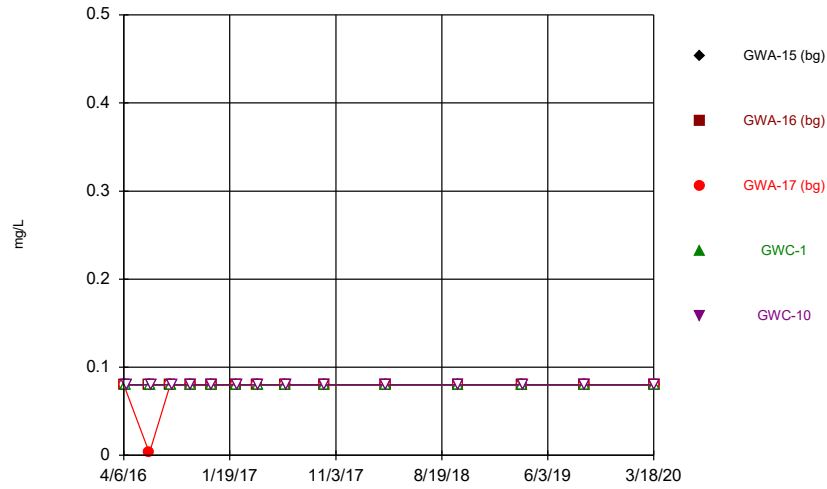
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



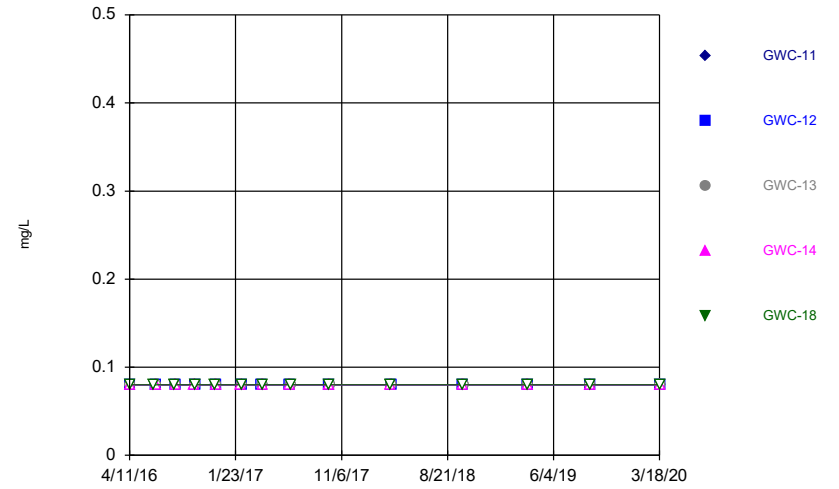
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



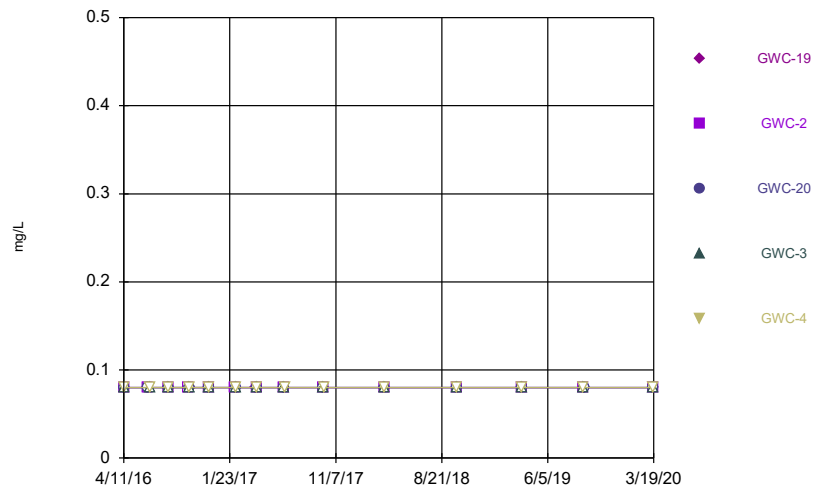
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



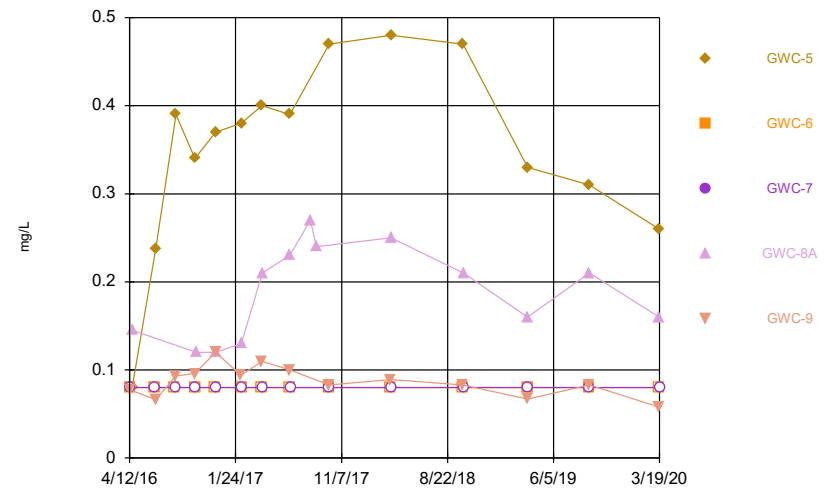
Constituent: Boron, total Analysis Run 6/19/2020 9:10 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



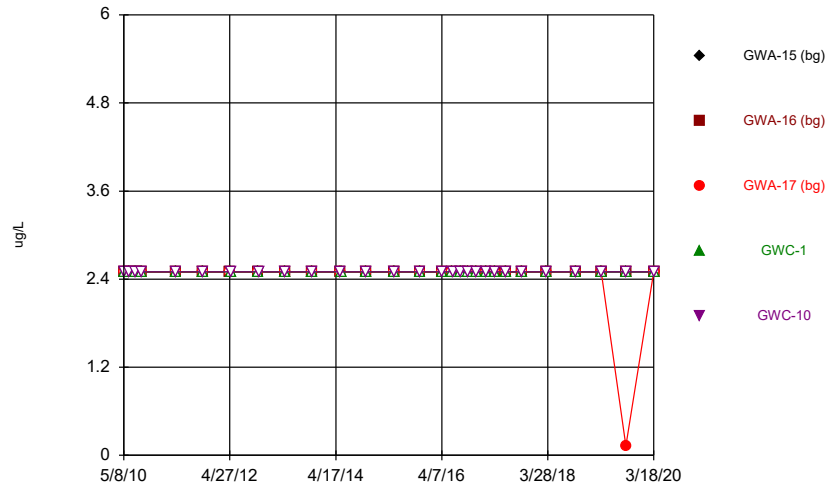
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



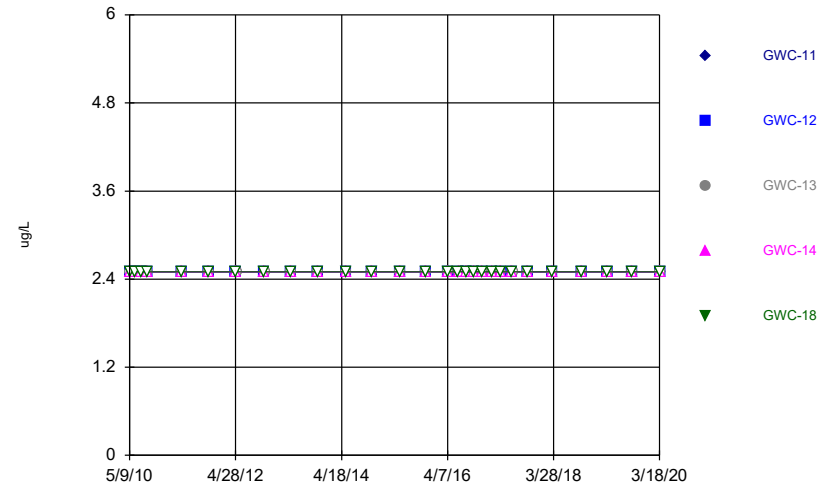
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



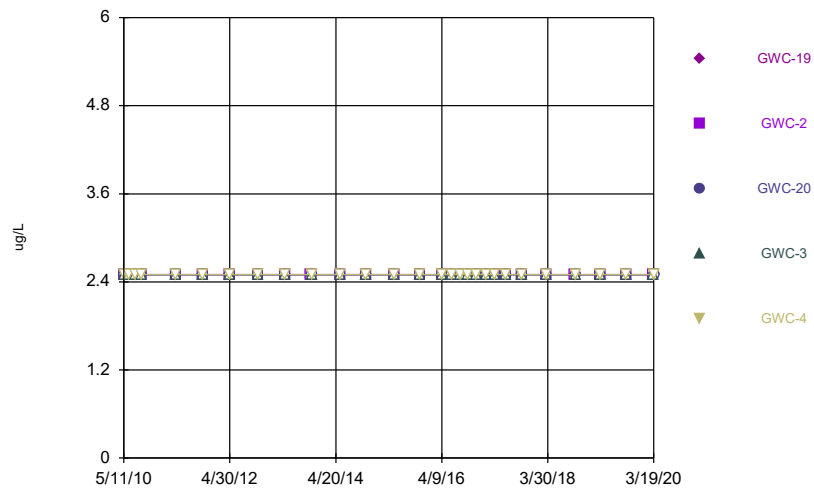
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



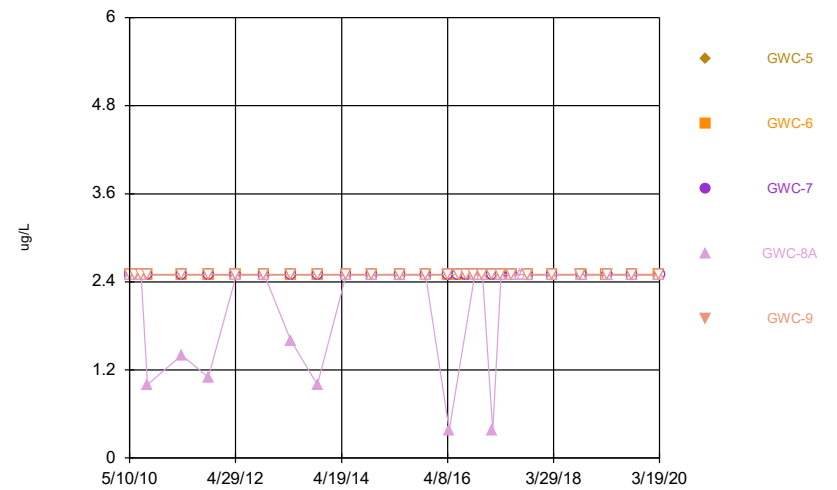
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



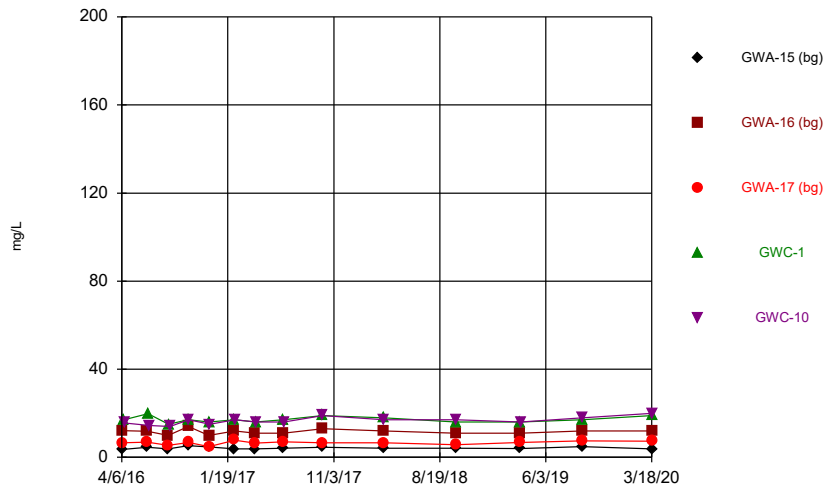
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



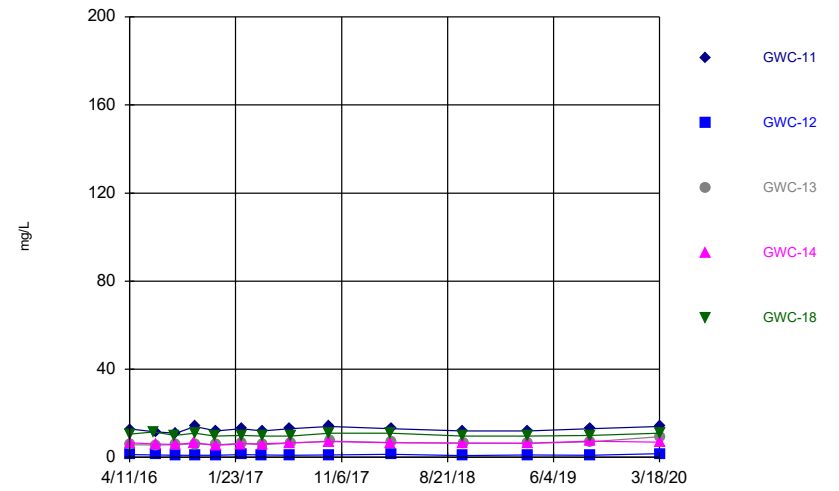
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



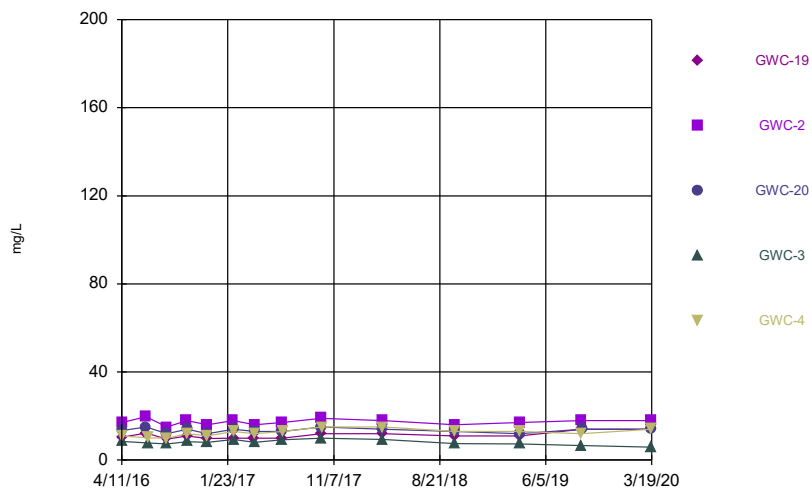
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



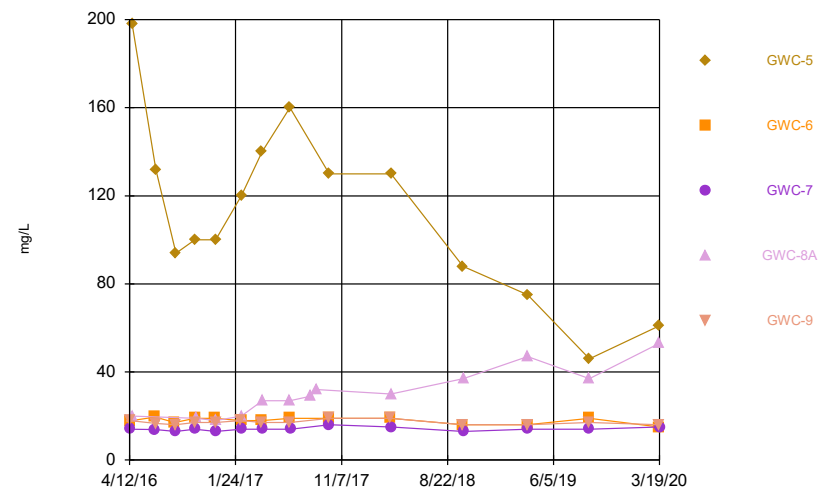
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



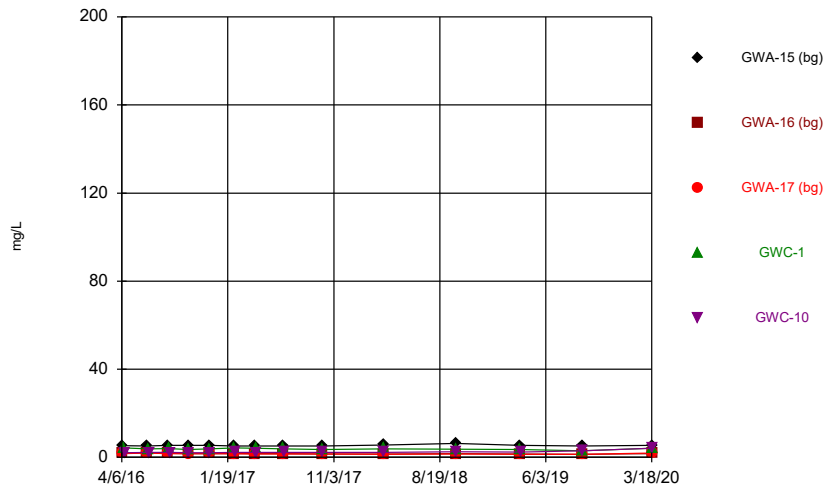
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



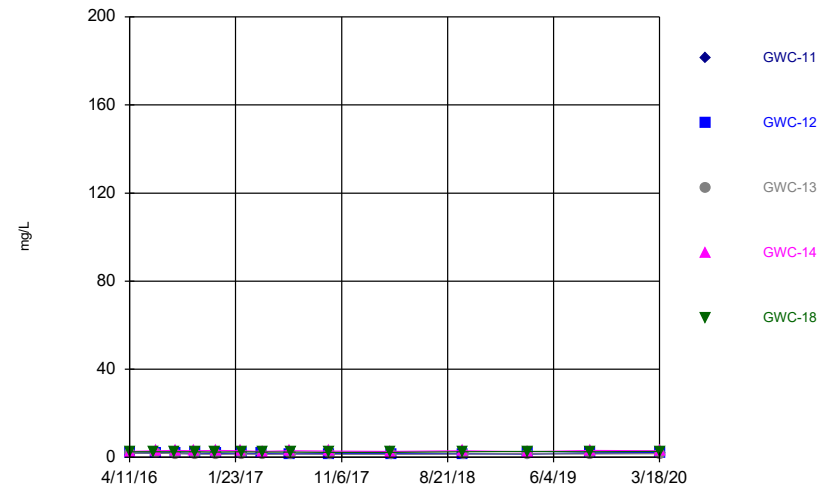
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



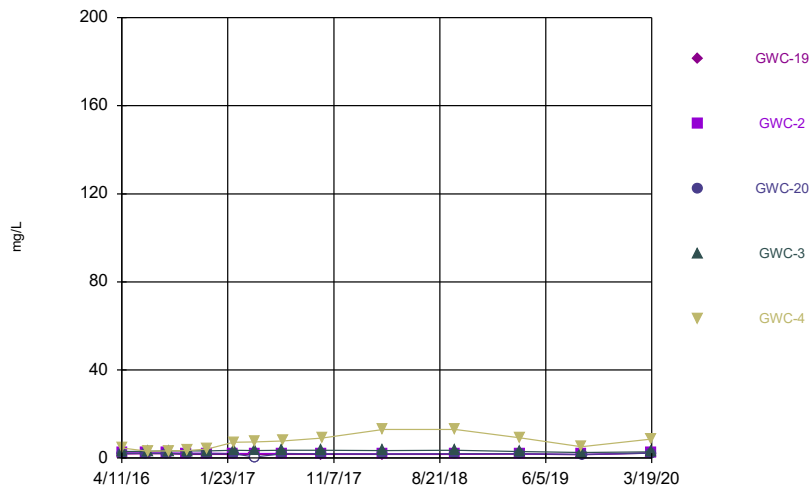
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



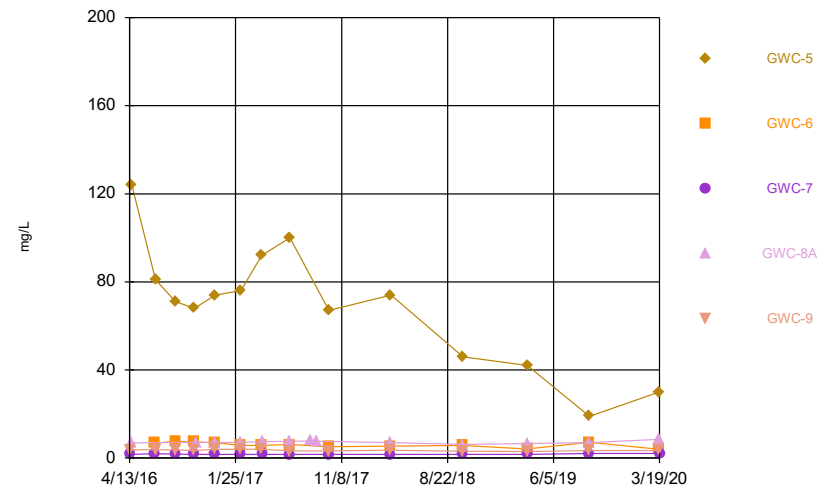
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Time Series



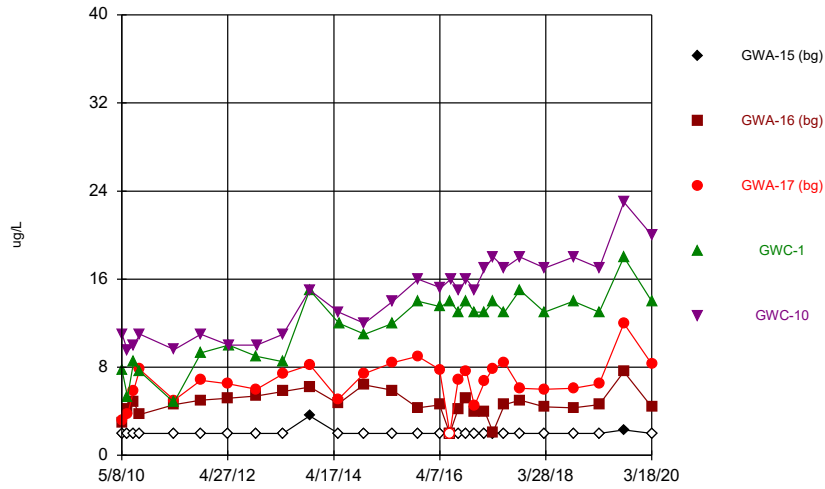
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



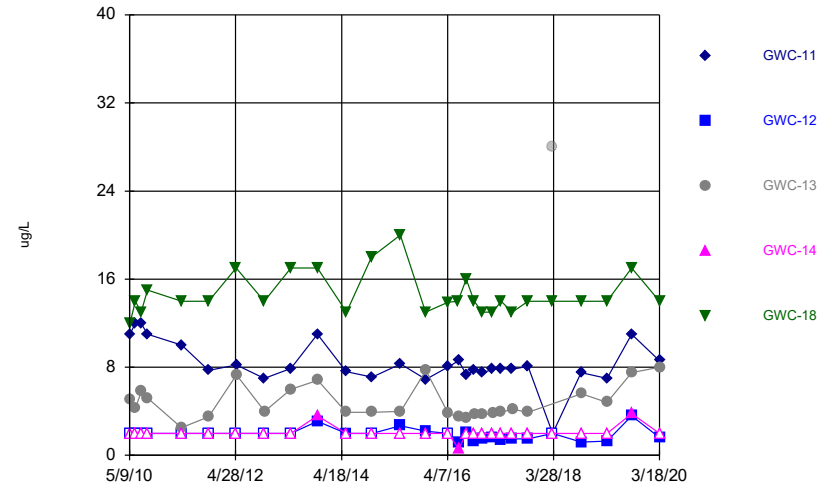
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



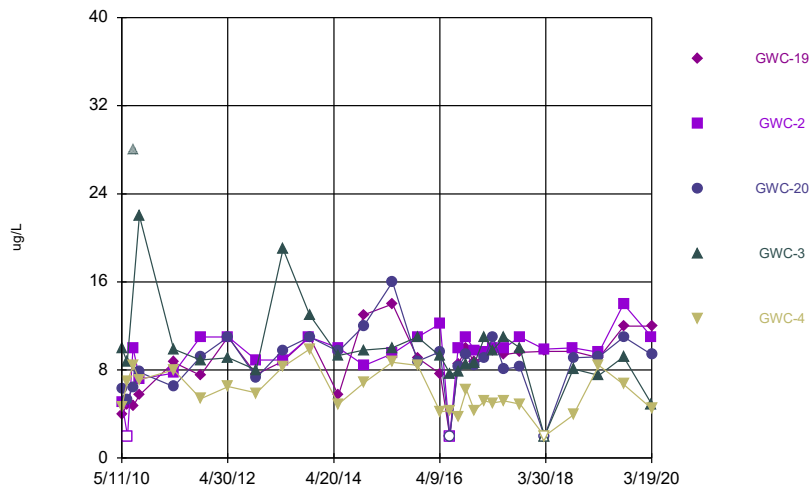
Constituent: Chromium, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



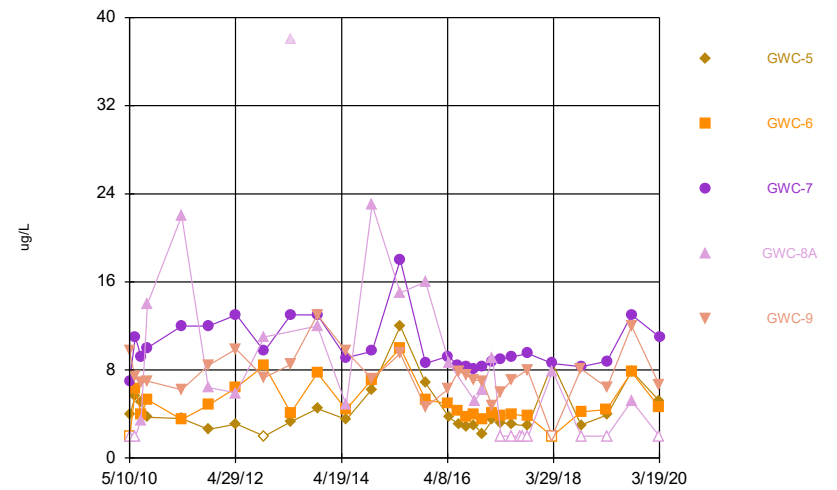
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



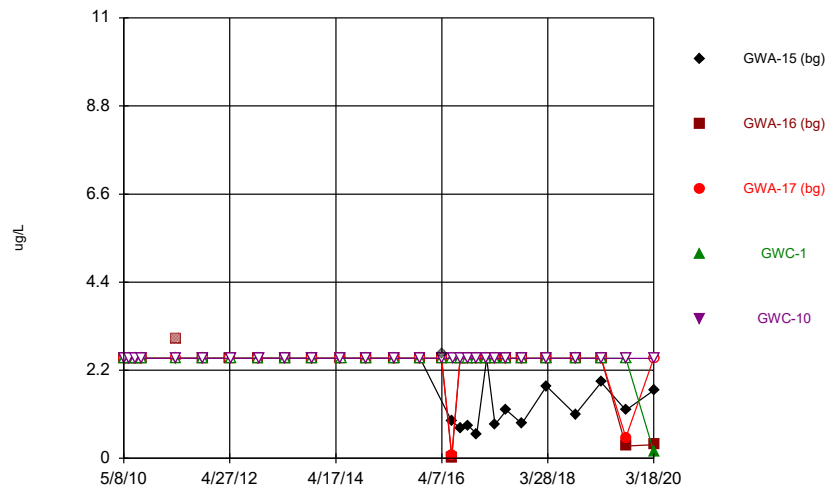
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



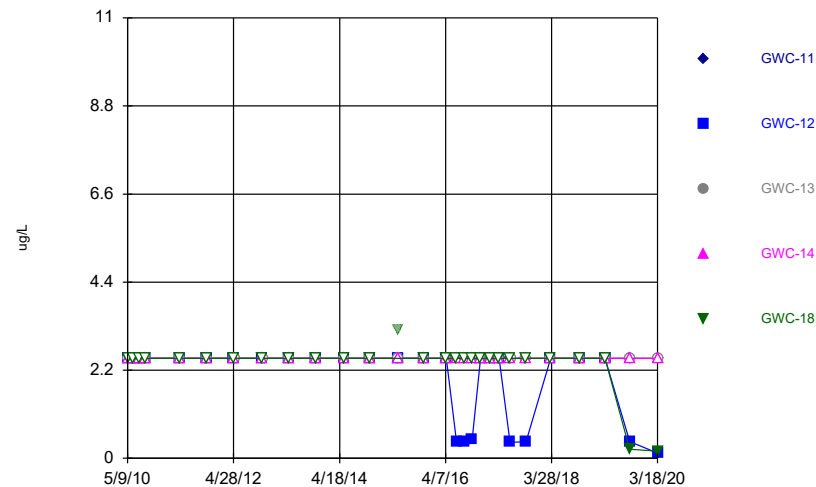
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



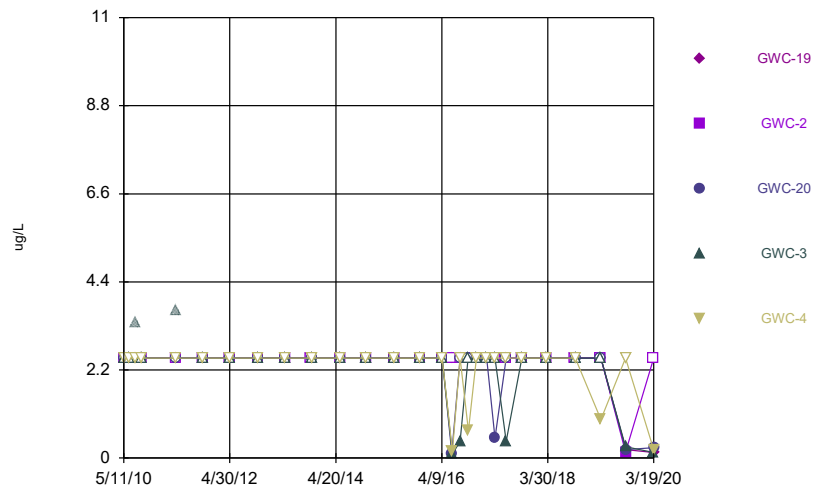
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



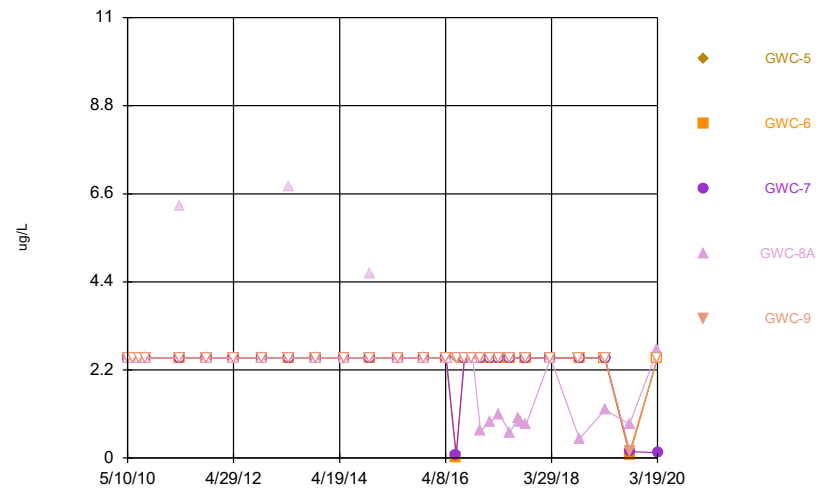
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

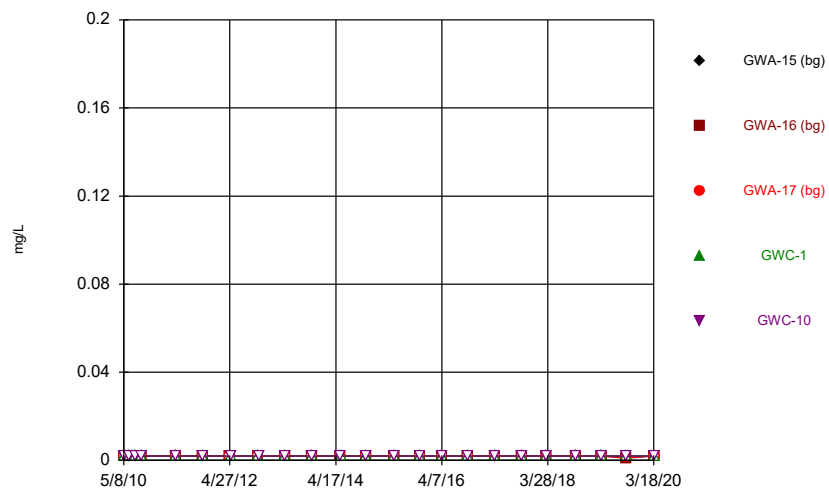
### Time Series



Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

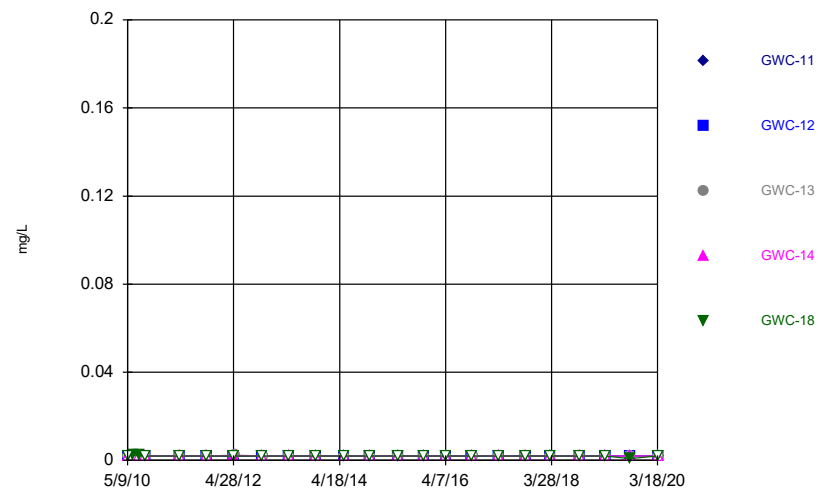


### Time Series



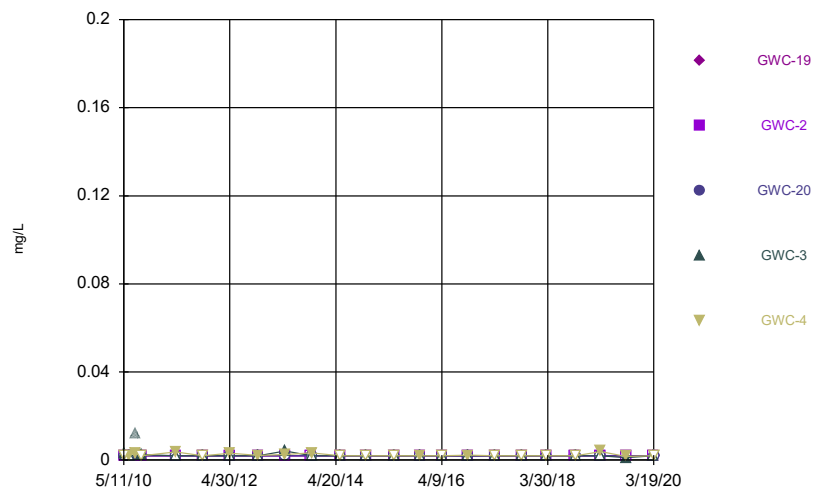
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



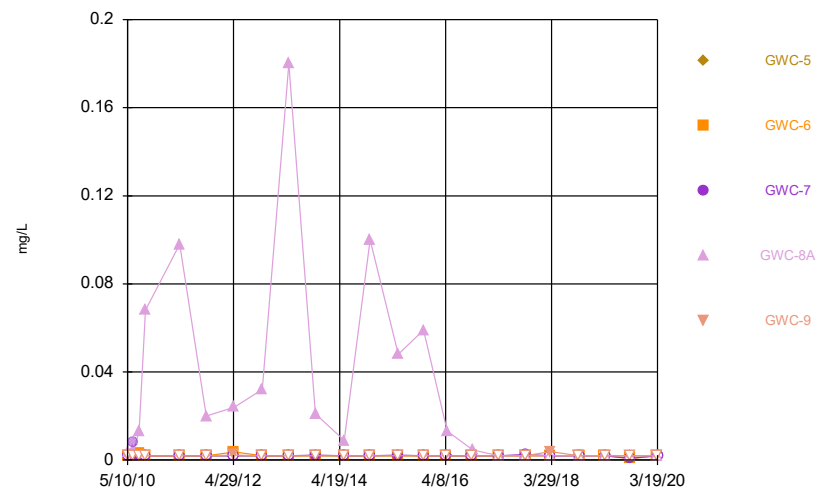
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



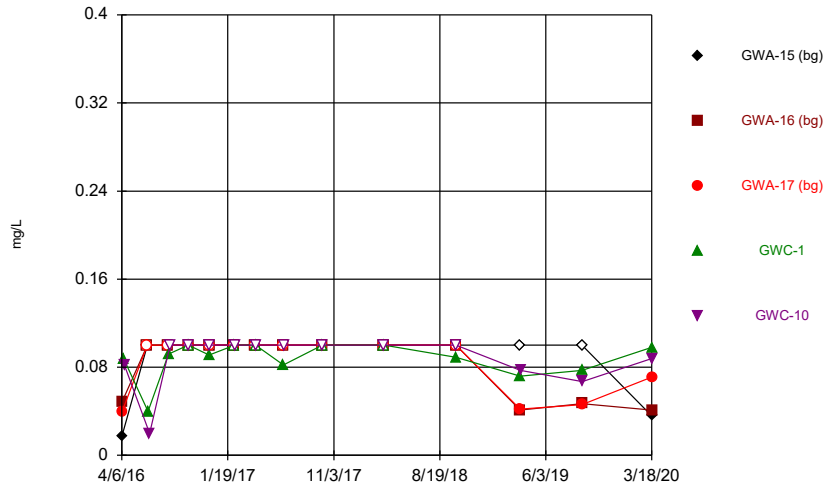
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



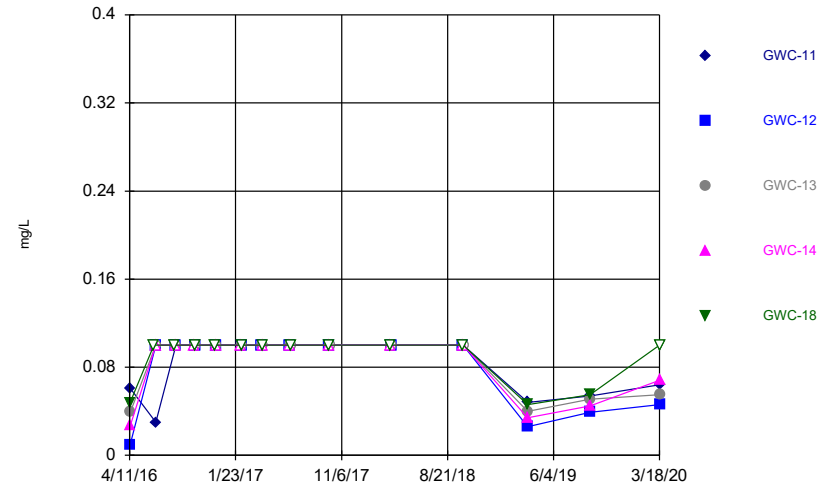
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



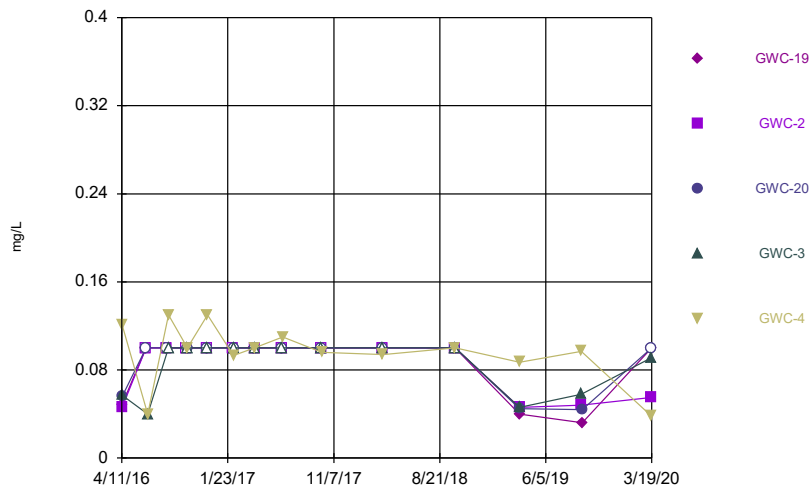
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



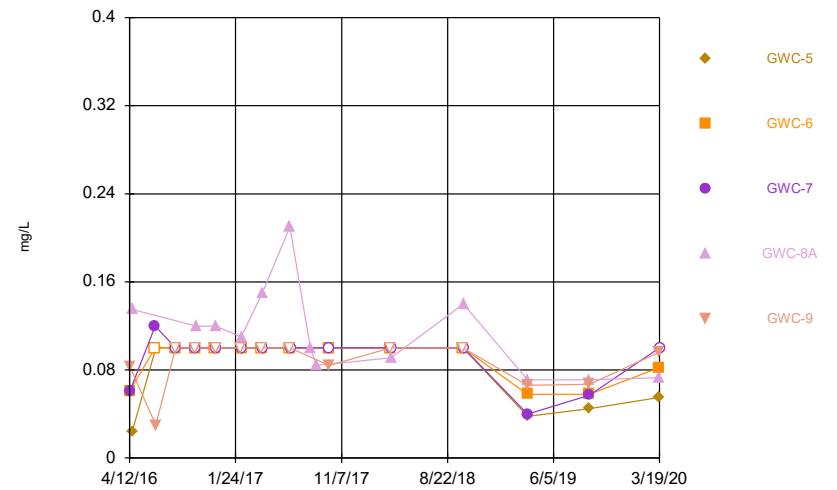
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



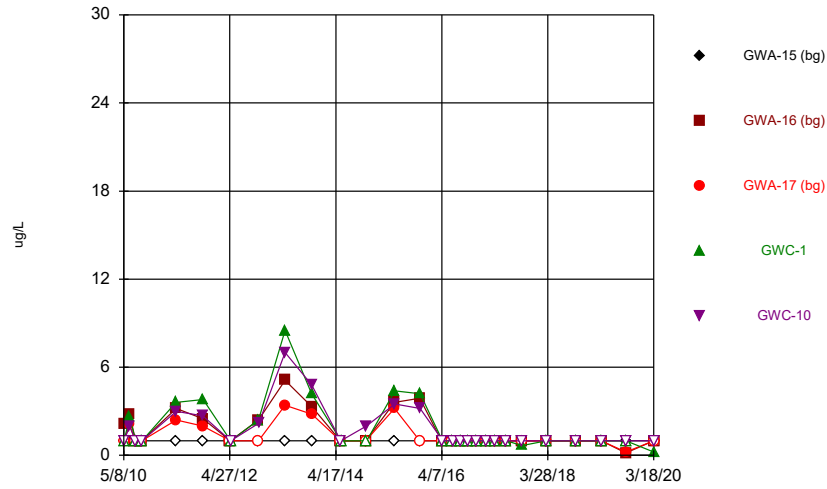
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



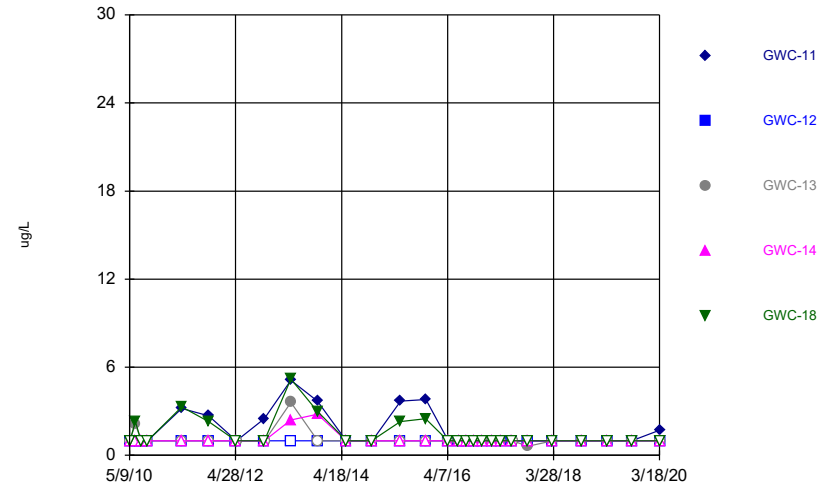
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



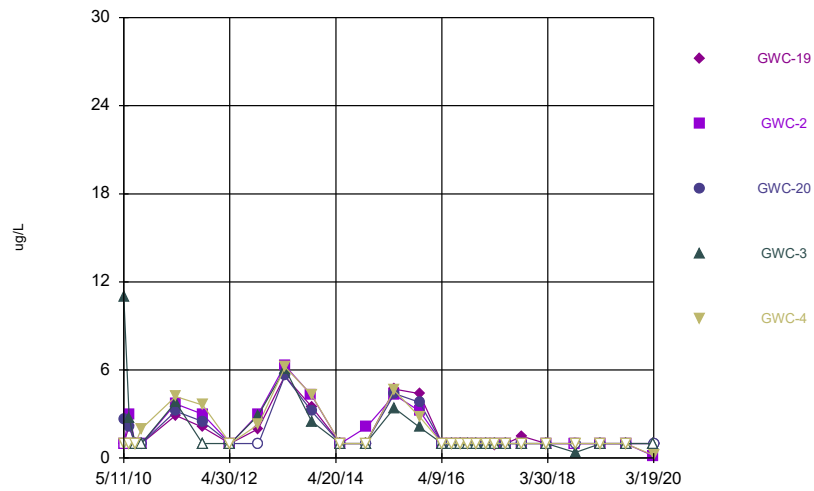
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



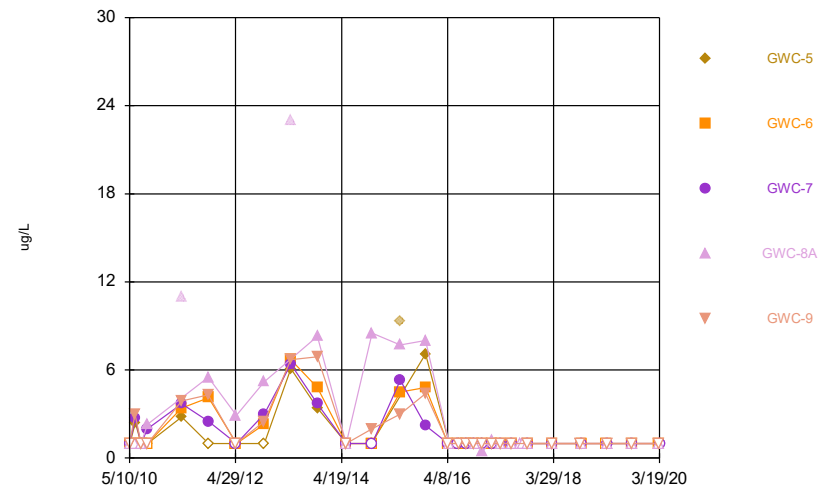
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



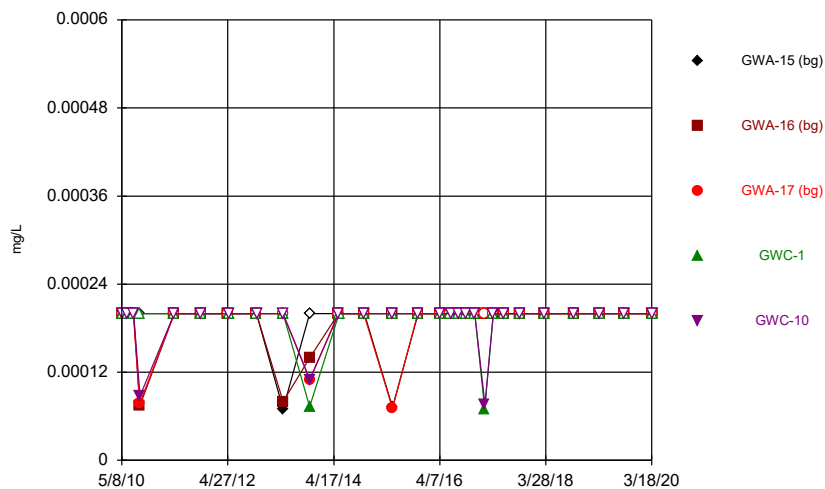
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



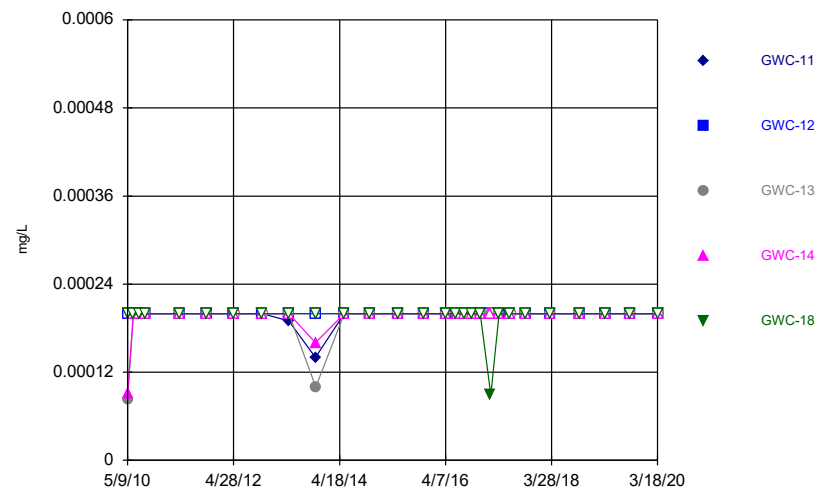
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



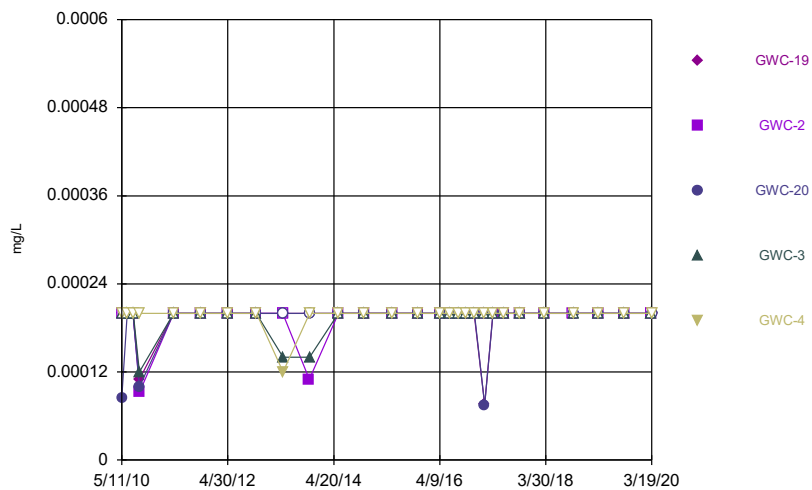
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



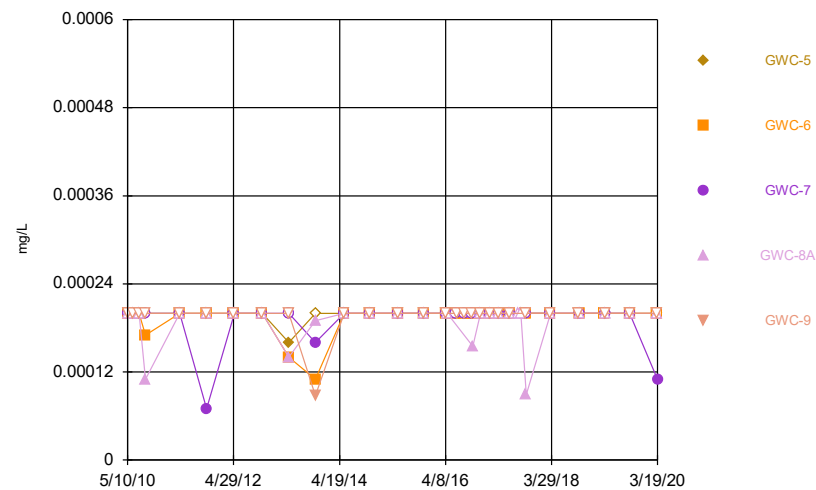
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



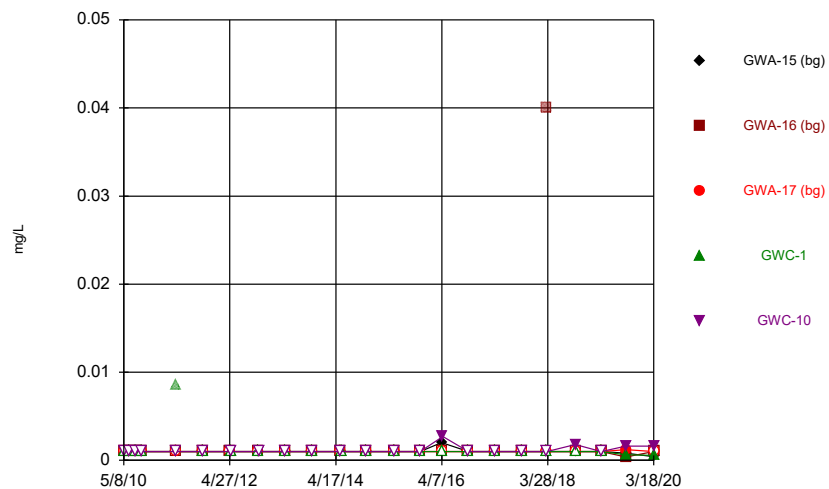
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



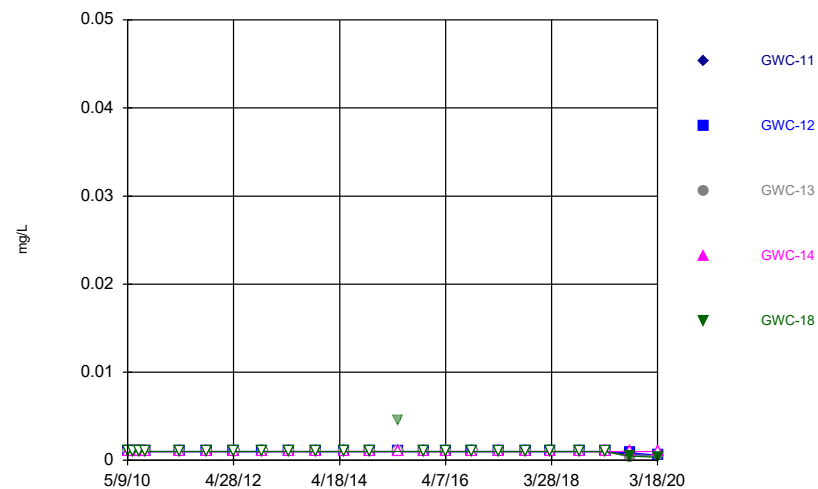
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



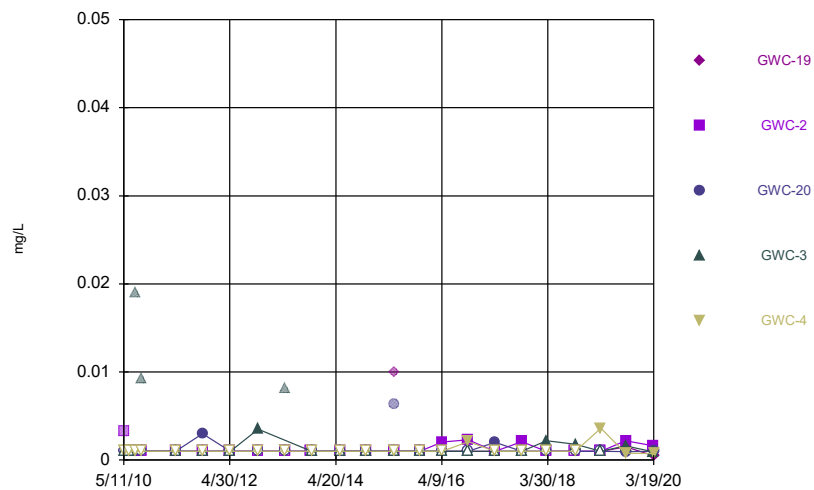
Constituent: Nickel Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



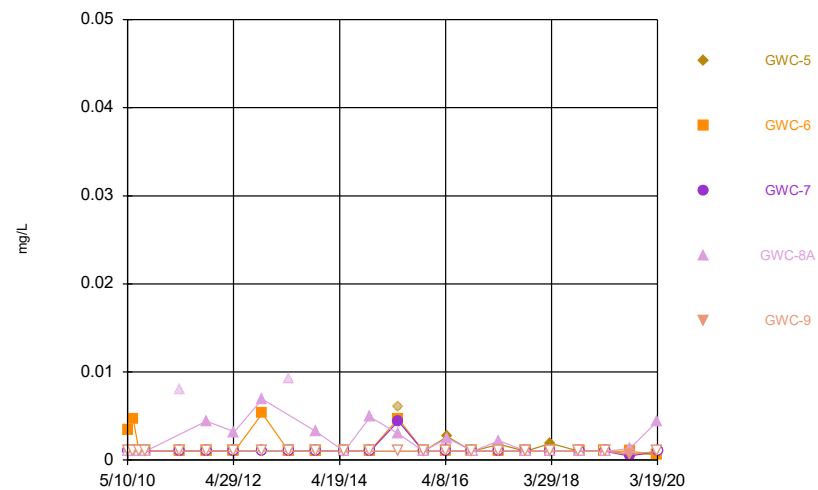
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



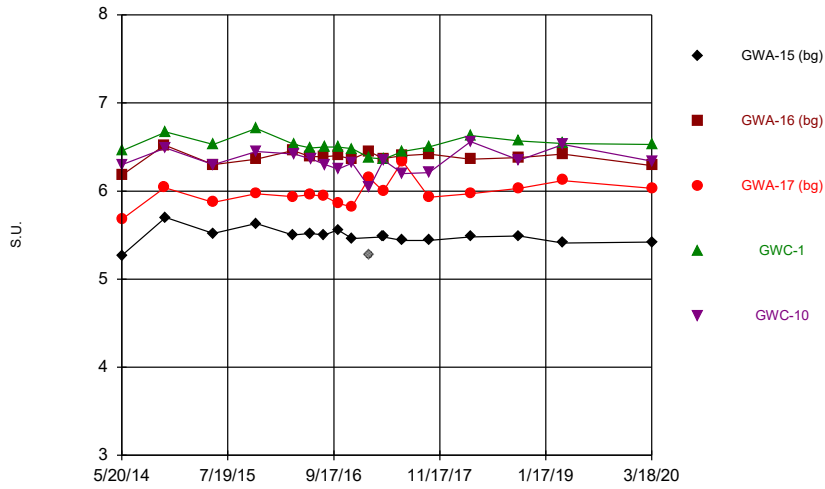
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



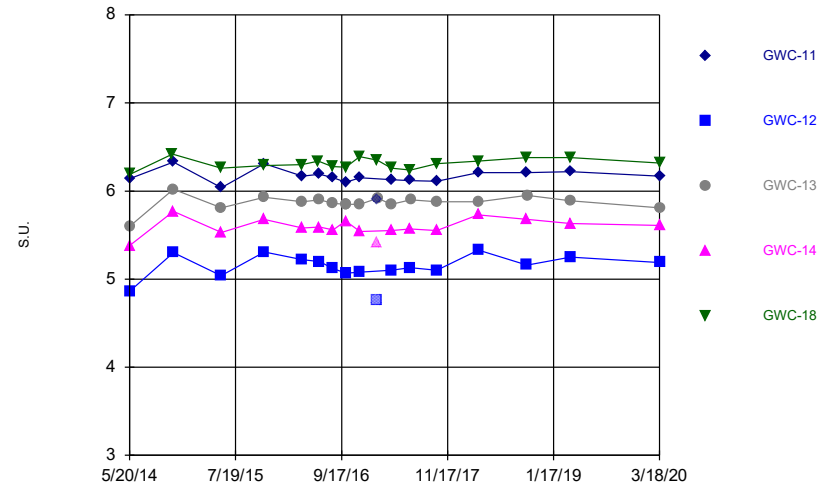
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



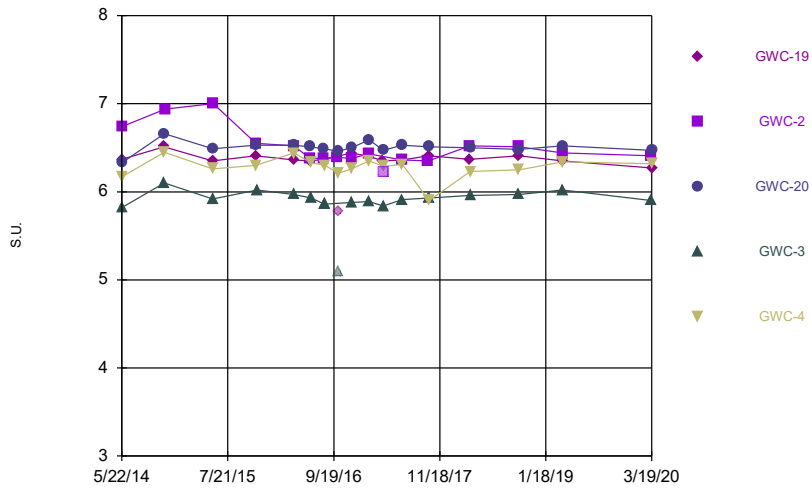
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



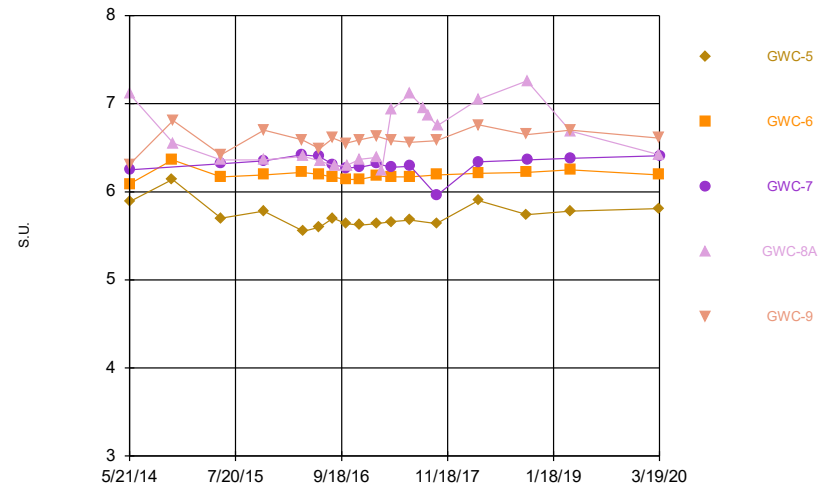
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



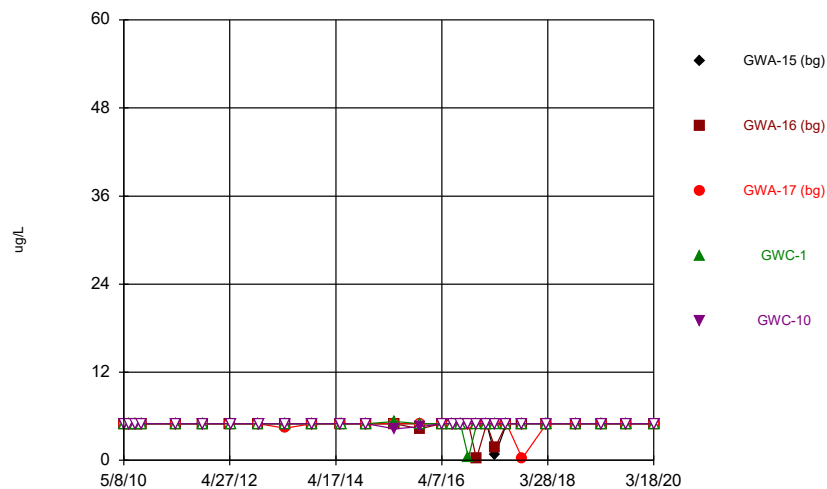
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



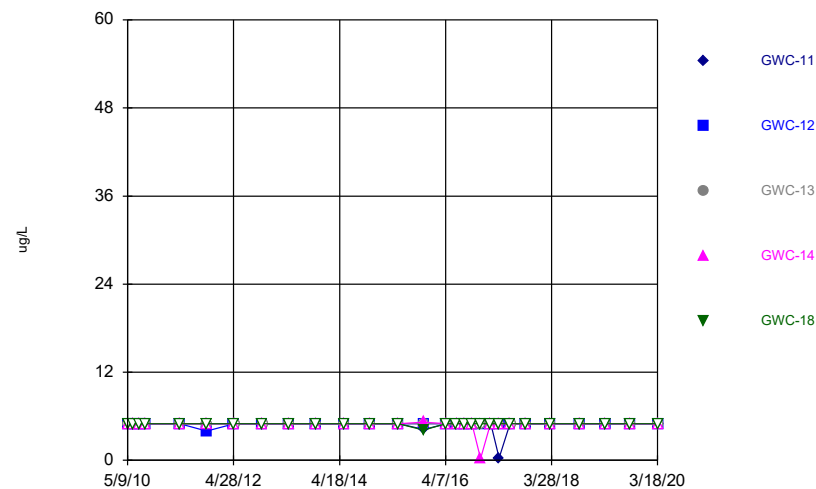
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



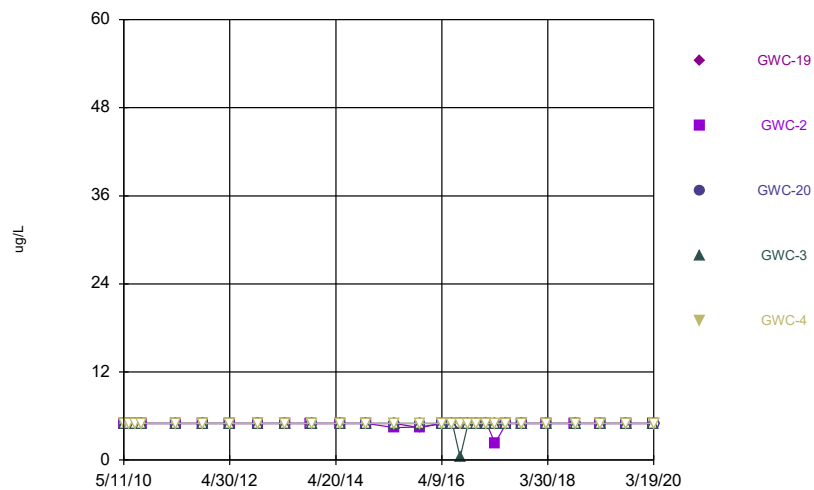
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



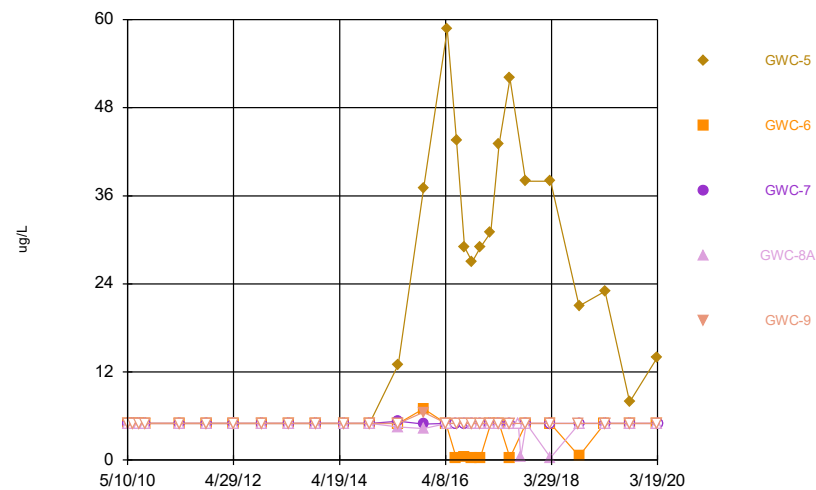
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



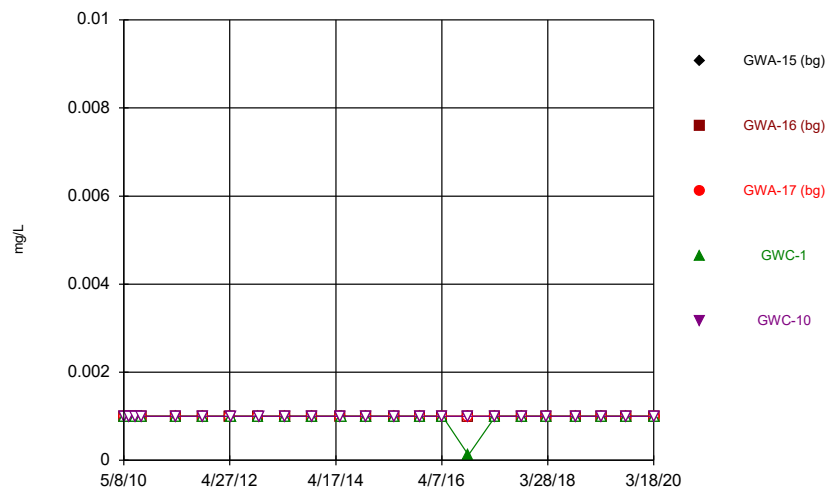
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



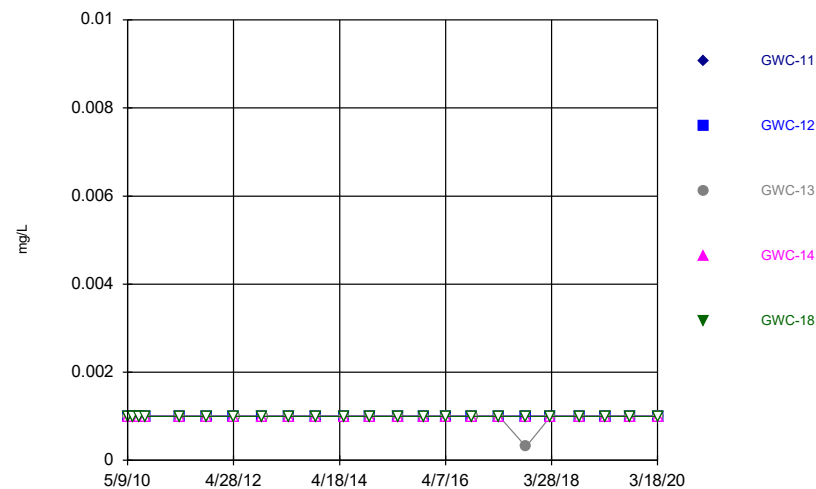
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



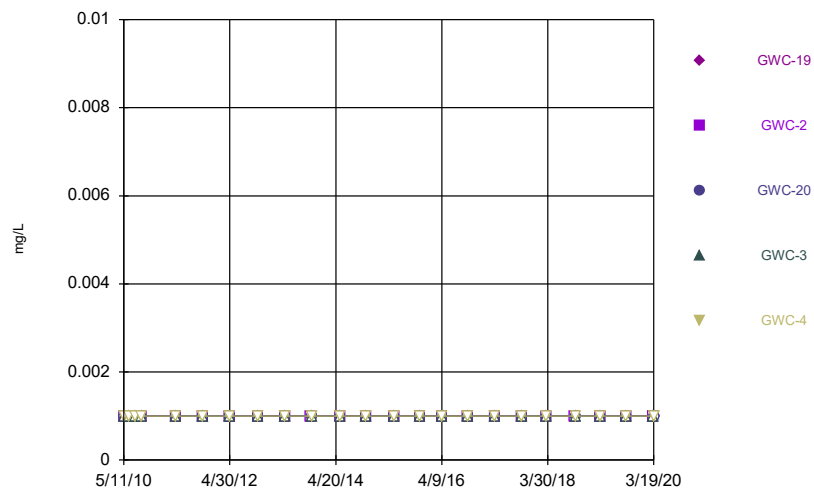
Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



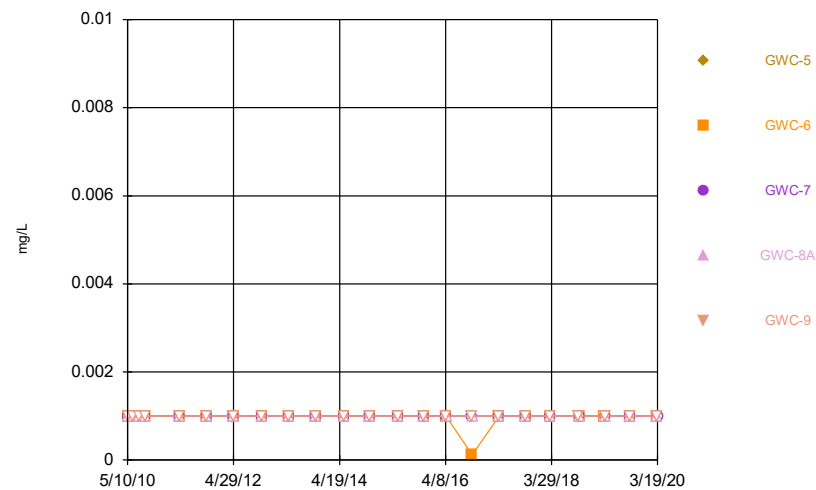
Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

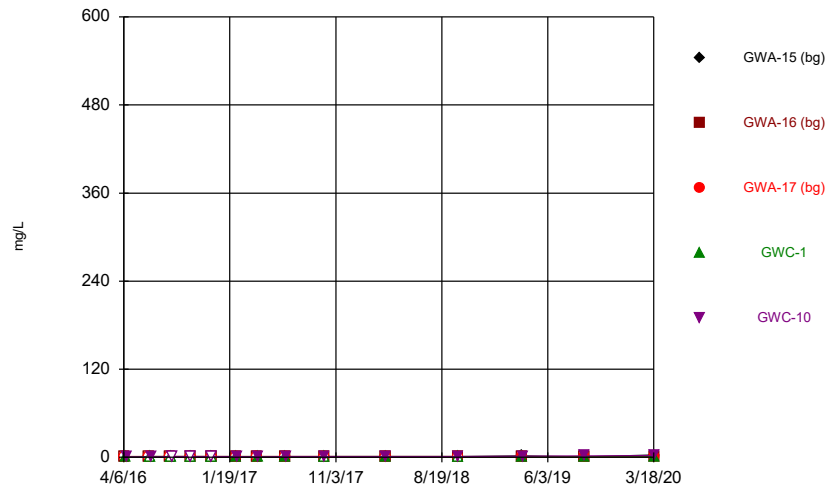
### Time Series



Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

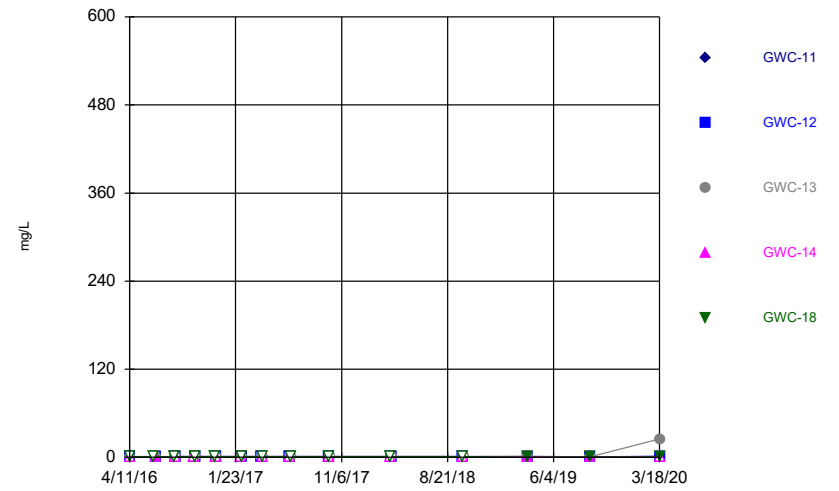


### Time Series



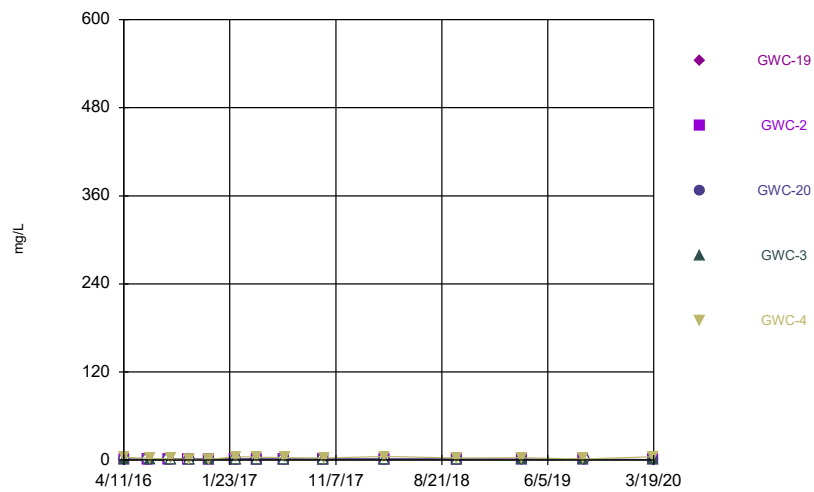
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



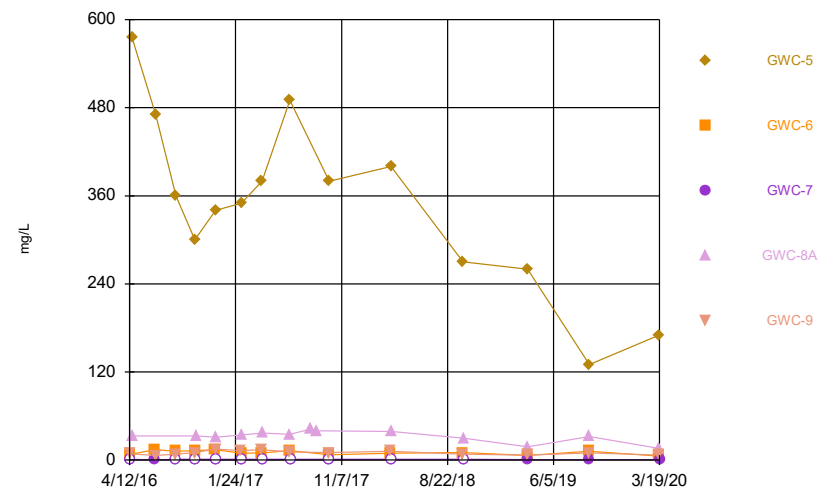
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



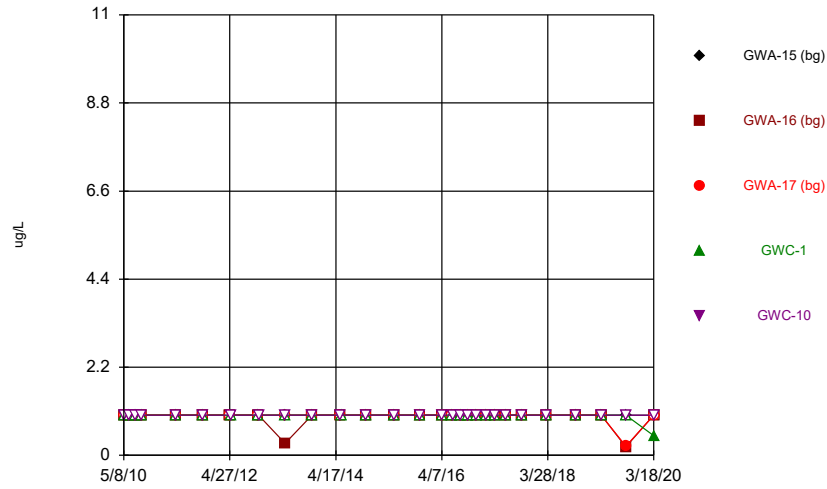
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



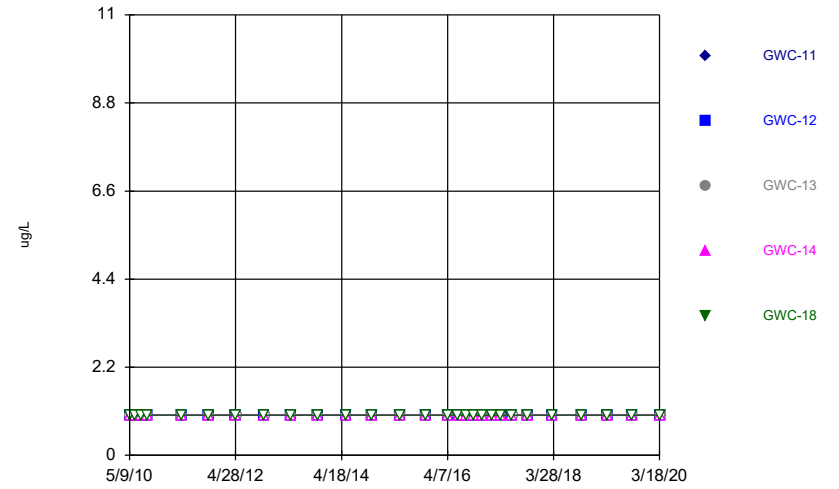
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



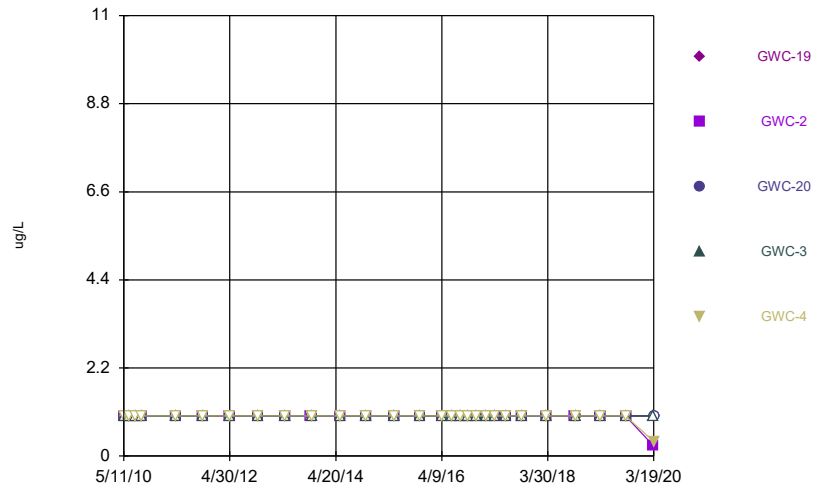
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



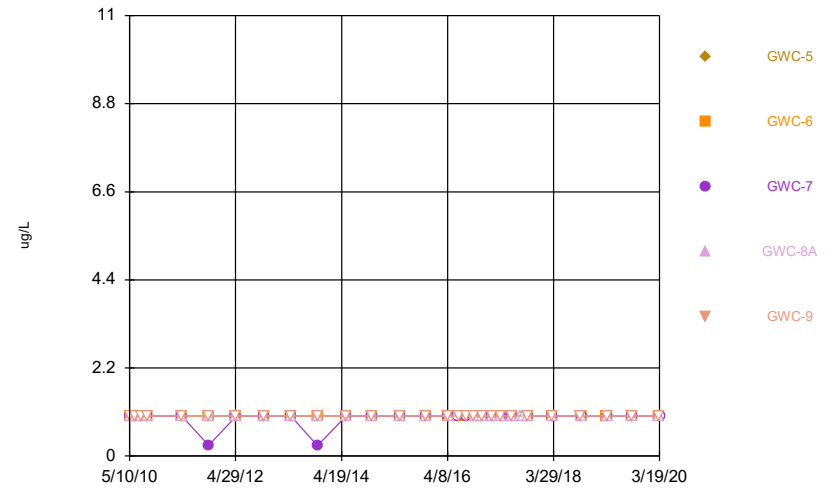
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



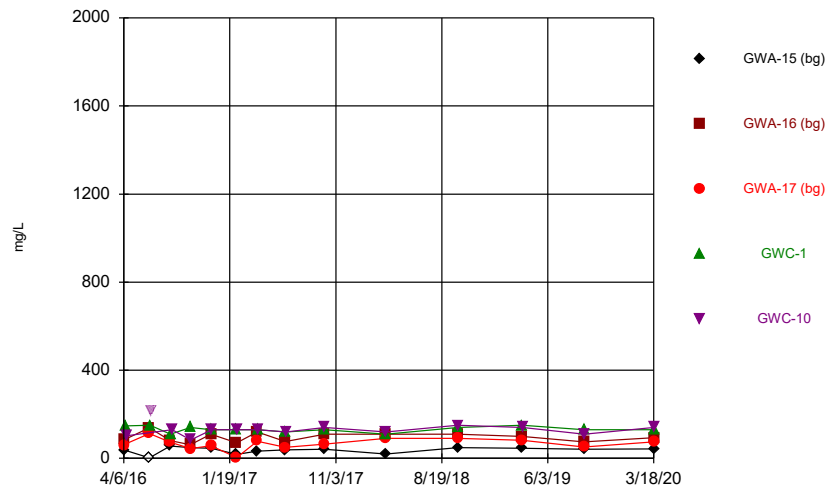
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



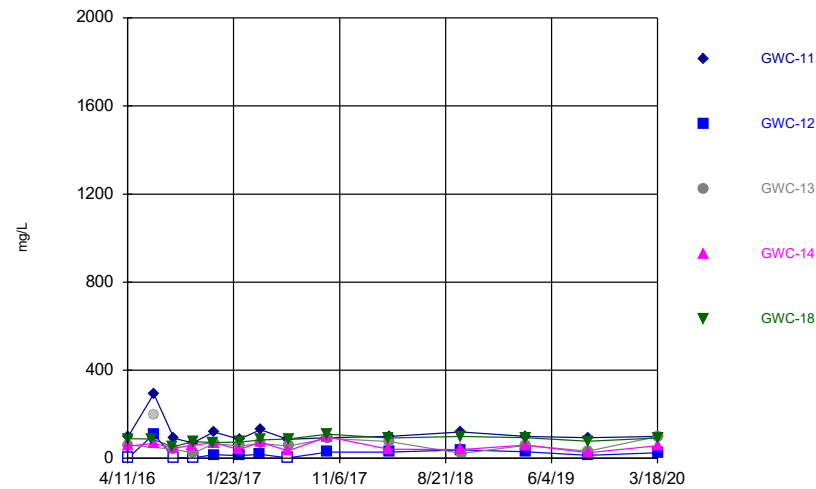
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



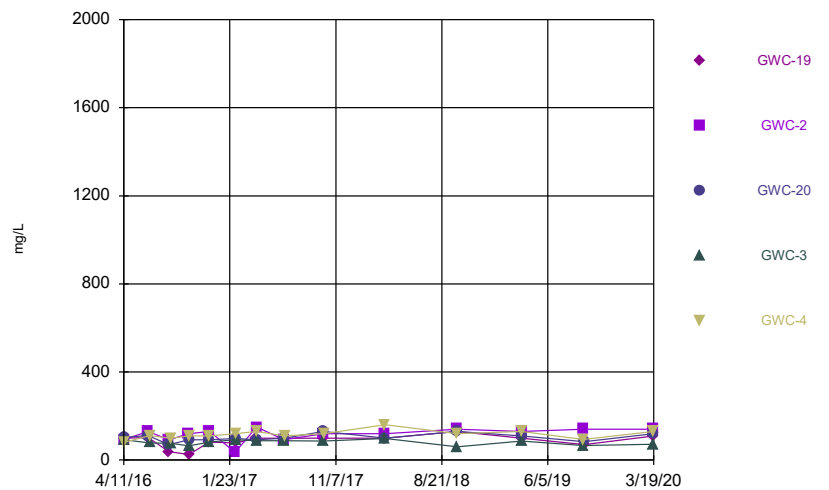
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



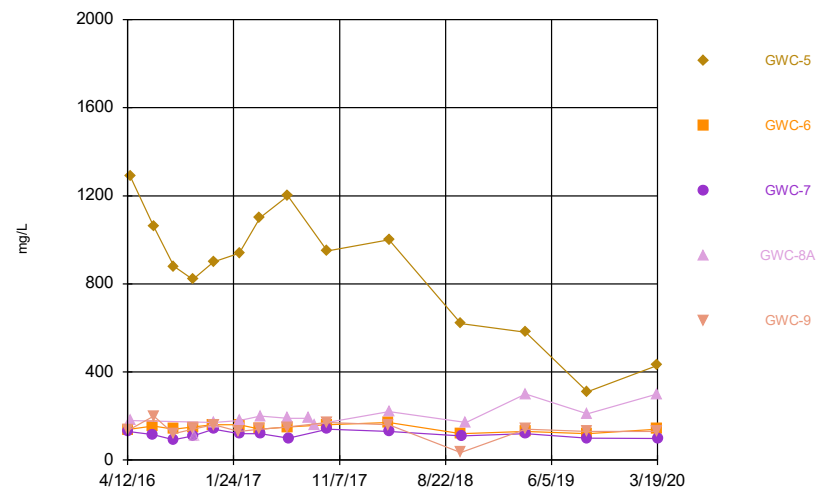
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



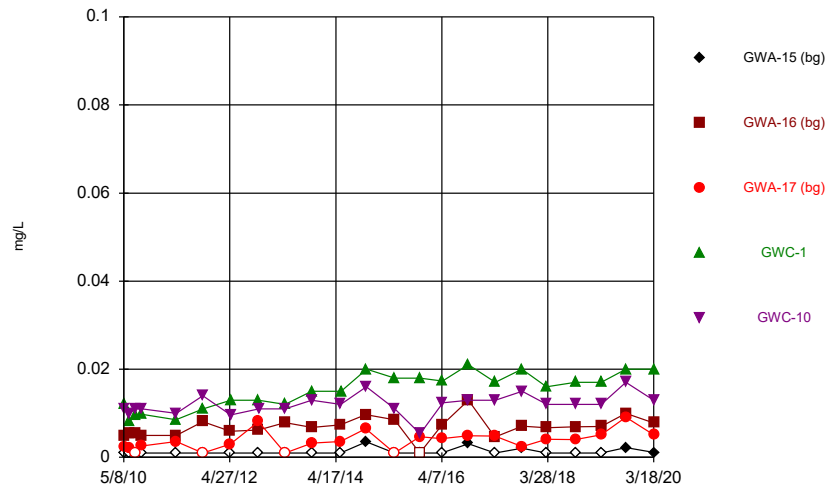
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



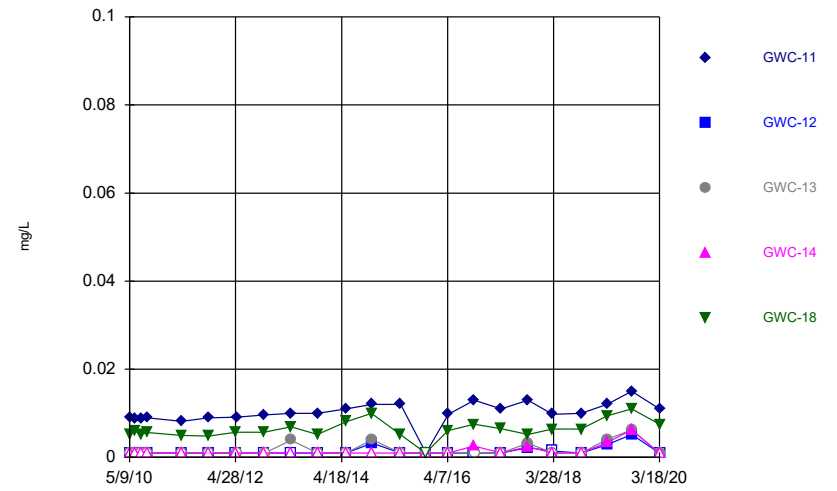
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



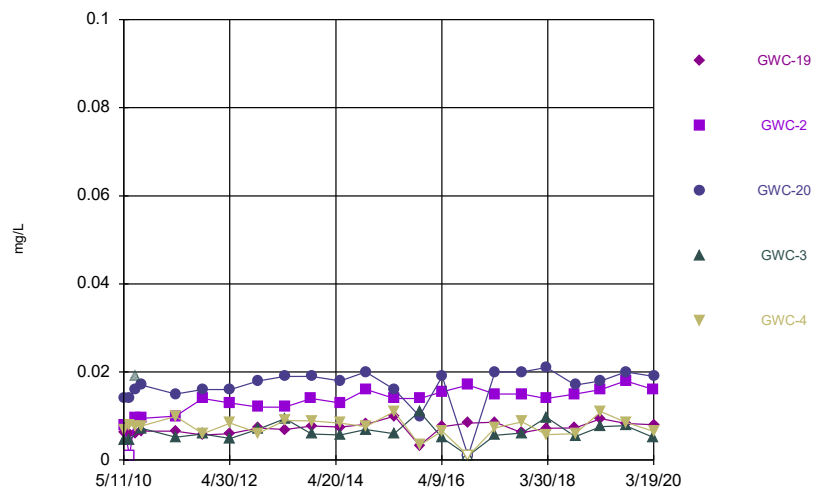
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



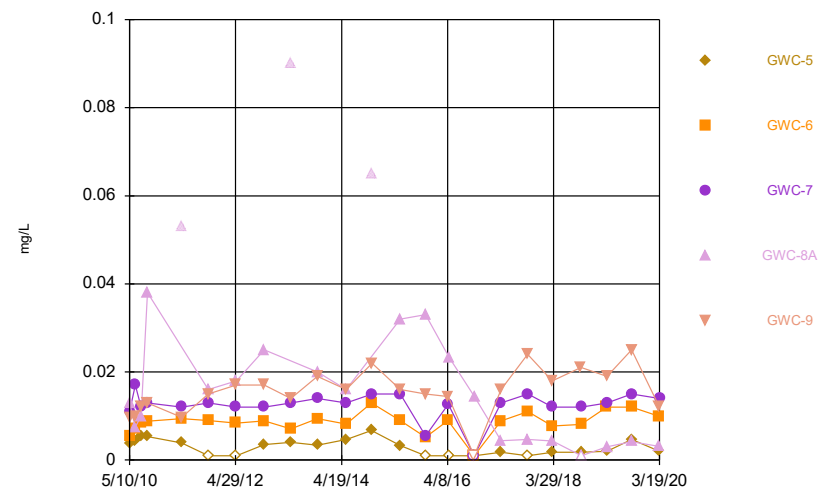
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



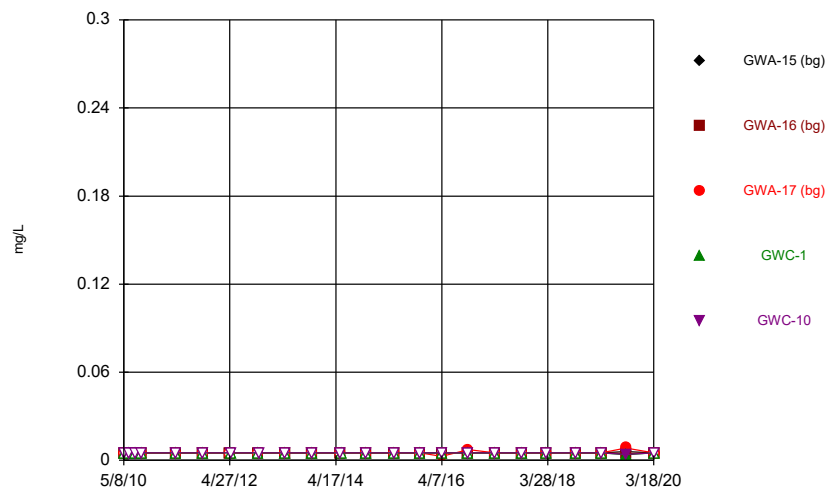
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



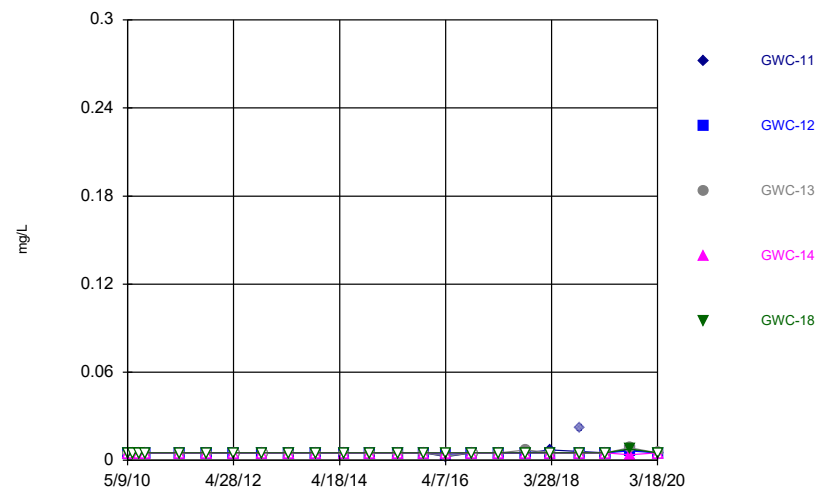
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



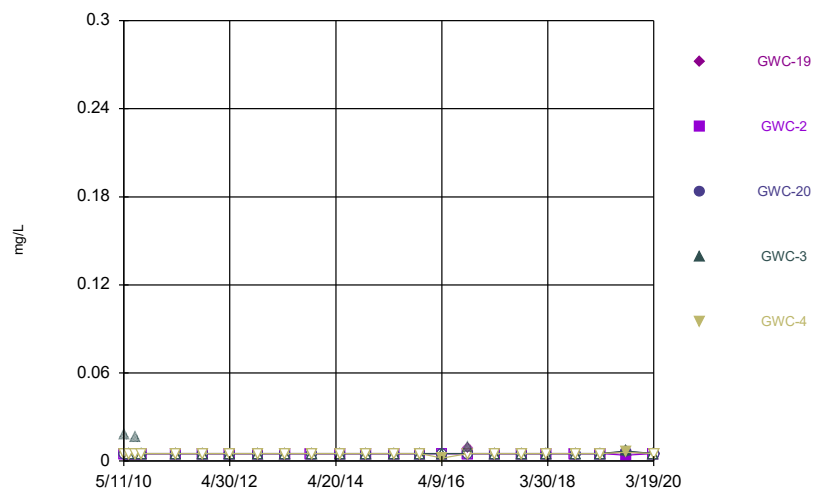
Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



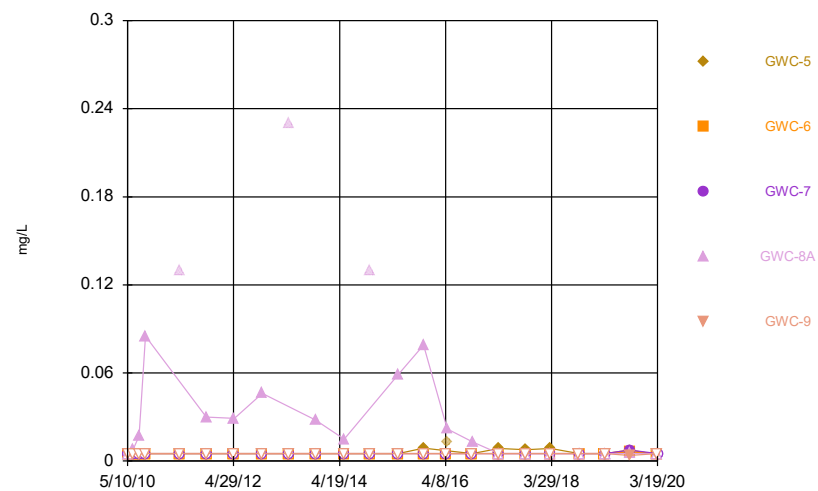
Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 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			<2		
5/9/2010	<2	<2			
5/10/2010					<2
5/11/2010				<2	
6/16/2010		<2	<2		<2
6/17/2010				<2	
6/18/2010	<2				
7/26/2010			<2		
7/27/2010		<2		<2	
7/28/2010	<2				<2
9/7/2010		<2	<2		
9/8/2010					<2
9/9/2010	<2			<2	
4/28/2011				<2	
4/29/2011		<2	<2		<2
4/30/2011	<2				
10/27/2011					<2
10/28/2011	<2	<2	<2		
10/29/2011				<2	
5/2/2012	<2	<2	<2		
5/3/2012				<2	
5/4/2012					<2
11/9/2012	<2	<2	<2	<2	
11/11/2012					<2
5/8/2013	<2	<2	<2		
5/9/2013				<2	<2
11/5/2013	<2			<2	<2
11/6/2013		<2	<2		
5/20/2014	<2	<2	<2		
5/21/2014					<2
5/23/2014				<2	
11/8/2014		<2	<2		
11/12/2014	<2				<2
11/13/2014				<2	
5/22/2015	<2	<2	<2		
5/23/2015				<2	<2
11/9/2015		<2	<2		
11/11/2015	<2			<2	
11/12/2015					<2
4/6/2016	<2	<2	<2		
4/12/2016				<2	
4/13/2016					<2 (D)
6/15/2016	<2	<2	<2		
6/16/2016				<2	
6/21/2016					<2
8/10/2016	<2	<2	<2		
8/11/2016				<2	
8/15/2016					<2
10/4/2016	<2	<2		<2	
10/5/2016			<2		<2
11/29/2016		<2	<2		
11/30/2016	<2			<2	

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 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					<2
2/7/2017	<2	1 (J)	<2	<2	
2/8/2017					<2
4/4/2017	<2	<2	<2		
4/5/2017				<2	
4/6/2017					<2
6/20/2017	<2	<2	<2	<2	
6/21/2017					<2
10/4/2017	<2			<2	
10/5/2017		<2	<2		<2
3/20/2018	<2 (D)	<2	<2	<2	
3/21/2018					<2
10/2/2018	<2	<2	<2	<2	<2
3/26/2019	<2	<2	<2	<2	
3/27/2019					<2
9/10/2019	<2	<2	<2	<2	
9/11/2019					<2
3/18/2020	<2	<2	<2	<2	<2

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<2	<2	<2	
5/10/2010	<2				<2
6/16/2010	<2				<2
6/18/2010		<2	<2	<2	
7/26/2010					<2
7/27/2010	<2	<2			
7/28/2010				<2	
7/29/2010			<2		
9/7/2010					<2
9/8/2010	<2	<2			
9/9/2010			<2	<2	
4/26/2011			<2		
4/29/2011	<2	<2			<2
4/30/2011				<2	
10/27/2011	<2				
10/28/2011		<2	<2	<2	<2
5/2/2012					<2
5/3/2012		<2		<2	
5/4/2012	<2		<2		
11/9/2012					<2
11/10/2012	<2	<2		<2	
11/11/2012			<2		
5/8/2013			<2	<2	<2
5/9/2013	<2	<2			
11/5/2013				<2	
11/6/2013	<2	<2			<2
11/7/2013			<2		
5/20/2014	<2	<2	<2	<2	
5/23/2014					<2
11/8/2014					<2
11/12/2014	<2	<2	<2	<2	
5/22/2015					<2
5/23/2015		<2			
5/24/2015	<2		<2	<2	
11/10/2015					<2
11/11/2015				<2	
11/12/2015	<2	<2	<2		
4/11/2016					<2
4/13/2016	<2 (D)	0.646 (JD)	<2 (D)	<2 (D)	
6/16/2016					0.18 (J)
6/21/2016	<2	<2	<2	<2	
8/11/2016					<2
8/15/2016	<2	<2	<2	<2	
10/4/2016				<2	
10/5/2016	<2	<2			<2
10/7/2016			<2		
11/29/2016					<2
12/1/2016	<2	<2	<2	<2	
2/7/2017				<2	
2/8/2017	<2	<2			<2
2/9/2017			<2		
4/5/2017		<2			



# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<2		<2	<2	<2
6/20/2017	<2	<2		<2	
6/21/2017					<2
6/22/2017			<2		
10/5/2017	<2	<2		<2	<2
10/6/2017			<2		
3/20/2018				<2	<2
3/21/2018	<2	<2 (D)			
3/22/2018			<2		
10/2/2018	<2	<2		<2	<2
10/3/2018			<2		
3/26/2019		<2	<2	<2	<2
3/27/2019	<2				
9/11/2019	<2	<2	<2	<2	0.39 (J)
3/18/2020	<2	<2	<2	<2	<2

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<2	<2	<2	<2	<2
6/16/2010	<2				
6/17/2010			<2	<2	<2
6/19/2010		<2			
7/27/2010	<2	<2	<2		
7/28/2010				<2	<2
9/7/2010	<2		<2	<2	
9/8/2010					<2
9/9/2010		<2			
4/28/2011		<2			<2
4/29/2011	<2		<2	<2	
10/28/2011	<2	<2	<2	<2	
10/29/2011					<2
5/2/2012	<2				
5/3/2012		<2	<2	<2	<2
11/9/2012	<2	<2		<2	
11/10/2012			<2		<2
5/9/2013	<2	<2	<2		
5/10/2013				<2	<2
11/5/2013		<2			
11/6/2013	<2		<2	<2	<2
5/22/2014	<2	<2	<2	<2	<2
11/8/2014	<2				
11/9/2014			<2	<2	<2
11/13/2014		<2			
5/22/2015				<2	<2
5/23/2015	<2				
5/24/2015		<2	<2		
11/10/2015	<2		<2	<2	
11/11/2015		<2			<2
4/11/2016	<2				
4/12/2016		<2	<2	<2 (D)	<2
6/16/2016	0.14 (J)	<2	<2		
6/20/2016				0.2 (J)	<2
8/11/2016	<2	<2	<2		
8/12/2016				<2	<2
10/4/2016		<2			
10/5/2016	<2		<2	<2	
10/6/2016					<2
11/29/2016	<2				
11/30/2016		<2	<2	<2	<2
2/7/2017		<2			
2/8/2017	<2		<2	<2	<2
4/5/2017	<2				
4/6/2017		<2	<2	<2	<2
6/20/2017		<2			
6/21/2017	<2		<2	<2	
6/22/2017					<2
10/4/2017		<2			
10/5/2017	<2		<2	<2	
10/6/2017					<2
3/20/2018	<2	<2			

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<2	<2	<2
10/2/2018	<2	<2			
10/3/2018			<2	<2	<2
3/26/2019	<2	<2	<2	<2	<2
9/10/2019		0.42 (J)		<2	<2
9/12/2019	<2		<2		
3/18/2020		<2		<2	
3/19/2020	<2		<2		<2

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<2	<2	<2
5/11/2010	<2	<2			
6/16/2010					<2
6/18/2010	<2	<2	<2		
6/19/2010				<2	
7/27/2010	<2	<2			<2
7/28/2010			<2	<2	
9/8/2010				<2	<2
9/9/2010	<2	<2	<2		
4/29/2011	<2				<2
4/30/2011		<2	<2	<2	
10/27/2011				<2	<2
10/28/2011	<2				
10/29/2011		<2	<2		
5/3/2012					<2
5/4/2012	<2	<2	<2	<2	
11/10/2012	<2	<2	<2		
11/11/2012				<2	<2
5/9/2013	<2	<2	<2		<2
5/10/2013				<2	
11/6/2013	<2				<2
11/7/2013		<2	<2	<2	
5/21/2014		<2	<2	<2	<2
5/22/2014	<2				
11/9/2014	<2	<2			
11/12/2014			<2		<2
11/13/2014				<2	
5/23/2015				<2	<2
5/24/2015	<2	<2	<2		
11/11/2015	<2	<2	<2	<2	
11/12/2015					<2
4/12/2016		<2			
4/13/2016			<2 (D)		<2 (D)
4/19/2016	<2			<2	
6/20/2016		<2	0.2 (J)		
6/22/2016	<2				<2
8/12/2016		<2			
8/15/2016			<2		<2
8/16/2016	<2				
10/6/2016	<2	<2	<2		<2
10/10/2016				<2	
11/30/2016		<2			
12/1/2016	<2		<2	<2	<2
2/8/2017					<2
2/9/2017	<2	<2	<2	<2	
4/6/2017	<2	<2			<2
4/7/2017			<2	<2	
6/21/2017	<2	<2		<2	<2
6/22/2017			<2		
8/15/2017				<2	
9/1/2017				<2	
10/5/2017	<2				<2

# Time Series

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<2	<2		
10/9/2017				<2	
3/21/2018		<2			<2
3/22/2018	<2		<2	<2	
10/2/2018					<2
10/3/2018	<2	<2			
10/4/2018			<2	<2	
3/26/2019		<2			
3/27/2019	<2		<2	<2	<2
9/11/2019	<2	<2	<2	<2	<2
3/18/2020	<2	<2		<2	<2
3/19/2020			<2		

# Time Series

Constituent: Arsenic, Total (ug/L)    Analysis Run 6/19/2020 9:12 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			<1		
5/9/2010	<1	<1			
5/10/2010					<1
5/11/2010				<1	
6/16/2010		<1	<1		<1
6/17/2010				<1	
6/18/2010	<1				
7/26/2010			<1		
7/27/2010		<1		<1	
7/28/2010	<1				<1
9/7/2010		<1	<1		
9/8/2010					<1
9/9/2010	<1			<1	
4/28/2011				<1	
4/29/2011		<1	<1		<1
4/30/2011	<1				
10/27/2011					<1
10/28/2011	<1	<1	<1		
10/29/2011				<1	
5/2/2012	<1	<1	<1		
5/3/2012				<1	
5/4/2012					<1
11/9/2012	<1	<1	<1	<1	
11/11/2012					<1
5/8/2013	<1	<1	<1		
5/9/2013				<1	<1
11/5/2013	<1			<1	<1
11/6/2013		<1	<1		
5/20/2014	<1	<1	<1		
5/21/2014					<1
5/23/2014				<1	
11/8/2014		<1	<1		
11/12/2014	<1				<1
11/13/2014				<1	
5/22/2015	<1	<1	<1		
5/23/2015				<1	<1
11/9/2015		<1	<1		
11/11/2015	<1			<1	
11/12/2015					<1
4/6/2016	<1	<1	<1		
4/12/2016				<1	
4/13/2016					<1 (D)
6/15/2016	<1	<1	<1		
6/16/2016				0.06 (J)	
6/21/2016					<1
8/10/2016	<1	<1	<1		
8/11/2016				<1	
8/15/2016					<1
10/4/2016	<1	<1		0.79	
10/5/2016			<1		<1
11/29/2016		<1	<1		
11/30/2016	<1			<1	

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 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					<1
2/7/2017	<1	<1	<1	<1	
2/8/2017					<1
4/4/2017	<1	<1	<1		
4/5/2017				<1	
4/6/2017					<1
6/20/2017	<1	<1	<1	<1	
6/21/2017					<1
10/4/2017	<1			<1	
10/5/2017		<1	<1		<1
3/20/2018	<1 (D)	<1	<1	<1	
3/21/2018					<1
10/2/2018	<1	<1	<1	<1	<1
3/26/2019	<1	<1	<1	<1	
3/27/2019					<1
9/10/2019	0.32 (J)	0.49 (J)	0.69 (J)	0.33 (J)	
9/11/2019					0.55 (J)
3/18/2020	<1	<1	<1	<1	<1

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<1	<1	<1	
5/10/2010	<1				<1
6/16/2010	<1				<1
6/18/2010		<1	<1	<1	
7/26/2010					<1
7/27/2010	<1	<1			
7/28/2010				<1	
7/29/2010			<1		
9/7/2010					<1
9/8/2010	<1	<1			
9/9/2010			<1	<1	
4/26/2011			<1		
4/29/2011	<1	<1			<1
4/30/2011				<1	
10/27/2011	<1				
10/28/2011		<1	<1	<1	<1
5/2/2012					<1
5/3/2012		<1		<1	
5/4/2012	<1		<1		
11/9/2012					<1
11/10/2012	<1	<1		<1	
11/11/2012			<1		
5/8/2013			<1	<1	<1
5/9/2013	<1	<1			
11/5/2013				<1	
11/6/2013	<1	<1			<1
11/7/2013			<1		
5/20/2014	<1	<1	<1	<1	
5/23/2014					<1
11/8/2014					<1
11/12/2014	<1	<1	<1	<1	
5/22/2015					<1
5/23/2015		<1			
5/24/2015	<1		<1	<1	
11/10/2015					<1
11/11/2015				<1	
11/12/2015	<1	<1	<1		
4/11/2016					<1
4/13/2016	<1 (D)	<1 (D)	<1 (D)	<1 (D)	
6/16/2016					<1
6/21/2016	<1	<1	<1	<1	
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			



# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
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		<1	<1	<1	<1
3/27/2019	<1				
9/11/2019	0.45 (J)	0.38 (J)	0.42 (J)	0.45 (J)	0.43 (J)
3/18/2020	<1	<1	<1	<1	<1

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<1	<1	<1	<1	<1
6/16/2010	<1				
6/17/2010			<1	<1	<1
6/19/2010		<1			
7/27/2010	<1	<1	<1		
7/28/2010				<1	<1
9/7/2010	<1		<1	<1	
9/8/2010					<1
9/9/2010		<1			
4/28/2011		<1			<1
4/29/2011	<1		<1	<1	
10/28/2011	<1	<1	<1	<1	
10/29/2011					<1
5/2/2012	<1				
5/3/2012		<1	<1	<1	<1
11/9/2012	<1	<1		<1	
11/10/2012			<1		<1
5/9/2013	<1	<1	<1		
5/10/2013				<1	<1
11/5/2013		<1			
11/6/2013	<1		<1	<1	<1
5/22/2014	<1	<1	<1	<1	<1
11/8/2014	<1				
11/9/2014			<1	<1	<1
11/13/2014		<1			
5/22/2015				<1	<1
5/23/2015	<1				
5/24/2015		<1	<1		
11/10/2015	<1		<1	<1	
11/11/2015		<1			<1
4/11/2016	<1				
4/12/2016		<1	<1	<1 (D)	<1
6/16/2016	0.051 (J)	0.055 (J)	0.054 (J)		
6/20/2016				<1	<1
8/11/2016	<1	<1	<1		
8/12/2016				0.53 (J)	<1
10/4/2016		<1			
10/5/2016	<1		<1	<1	
10/6/2016					<1
11/29/2016	<1				
11/30/2016		<1	<1	<1	<1
2/7/2017		<1			
2/8/2017	<1		<1	<1	<1
4/5/2017	<1				
4/6/2017		<1	<1	<1	<1
6/20/2017		<1			
6/21/2017	<1		<1	<1	
6/22/2017					<1
10/4/2017		<1			
10/5/2017	<1		<1	<1	
10/6/2017					<1
3/20/2018	<1	<1			

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			0.78	0.89	<1
10/2/2018	<1	<1			
10/3/2018			<1	<1	<1
3/26/2019	<1	<1	<1	<1	<1
9/10/2019		0.38 (J)		0.32 (J)	0.32 (J)
9/12/2019	<1		<1		
3/18/2020		<1		<1	
3/19/2020	<1		<1		<1

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<1	<1	<1
5/11/2010	<1	<1			
6/16/2010					<1
6/18/2010	<1	<1	<1		
6/19/2010				<1	
7/27/2010	<1	<1			<1
7/28/2010			<1	<1	
9/8/2010				<1	<1
9/9/2010	<1	<1	<1		
4/29/2011	<1				<1
4/30/2011		<1	<1	<1	
10/27/2011				<1	<1
10/28/2011	<1				
10/29/2011		<1	<1		
5/3/2012					<1
5/4/2012	<1	<1	<1	<1	
11/10/2012	<1	<1	<1		
11/11/2012				<1	<1
5/9/2013	<1	<1	<1		<1
5/10/2013				<1	
11/6/2013	<1				<1
11/7/2013		<1	<1	<1	
5/21/2014		<1	<1	<1	<1
5/22/2014	<1				
11/9/2014	<1	<1			
11/12/2014			<1		<1
11/13/2014				<1	
5/23/2015				<1	<1
5/24/2015	<1	<1	<1		
11/11/2015	<1	<1	<1	<1	
11/12/2015					<1
4/12/2016		<1			
4/13/2016			<1 (D)		<1 (D)
4/19/2016	<1			<1	
6/20/2016		0.063 (J)	<1		
6/22/2016	0.8				<1
8/12/2016		<1			
8/15/2016			<1		<1
8/16/2016	<1				
10/6/2016	<1	<1	<1		<1
10/10/2016				<1	
11/30/2016		<1			
12/1/2016	<1		<1	<1	<1
2/8/2017					<1
2/9/2017	<1	<1	<1	1.15 (D)	
4/6/2017	<1	<1			<1
4/7/2017			<1	<1	
6/21/2017	<1	<1		1.4	<1
6/22/2017			<1		
8/15/2017				0.86	
9/1/2017				0.75	
10/5/2017	<1				<1

# Time Series

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<1	<1		
10/9/2017				1.3	
3/21/2018		<1			<1
3/22/2018	0.46 (J)		<1	0.75	
10/2/2018					<1
10/3/2018	<1	<1			
10/4/2018			<1	<1	
3/26/2019		<1			
3/27/2019	<1		<1	1.2	0.62
9/11/2019	0.38 (J)	0.41 (J)	0.38 (J)	1 (J)	0.55 (J)
3/18/2020	<1	<1		0.42 (J)	<1
3/19/2020			<1		

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 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			48 (J)		
5/9/2010	10 (J)	31 (J)			
5/10/2010					24 (J)
5/11/2010				54 (J)	
6/16/2010		29 (J)	44 (J)		22 (J)
6/17/2010				54 (J)	
6/18/2010	10 (J)				
7/26/2010			42 (J)		
7/27/2010		29 (J)		54 (J)	
7/28/2010	11 (J)				23 (J)
9/7/2010		28 (J)	40 (J)		
9/8/2010					23 (J)
9/9/2010	11 (J)			46 (J)	
4/28/2011				57 (J)	
4/29/2011		26 (J)	38 (J)		22 (J)
4/30/2011	9.1 (J)				
10/27/2011					22
10/28/2011	9.6 (J)	25	34		
10/29/2011				46	
5/2/2012	12	25	30		
5/3/2012				49	
5/4/2012					19
11/9/2012	12 (V)	28 (V)	39 (V)	45 (V)	
11/11/2012					25 (V)
5/8/2013	10	29	34		
5/9/2013				53	24
11/5/2013	9.8 (J)			45	25
11/6/2013		26	32		
5/20/2014	8.1 (J)	25	30		
5/21/2014					24
5/23/2014				43	
11/8/2014		26	31		
11/12/2014	9.8 (J)				26
11/13/2014				46	
5/22/2015	8.8 (J)	26	33		
5/23/2015				46	26
11/9/2015		24	34		
11/11/2015	11			47	
11/12/2015					26
4/6/2016	9.59 (J)	26	34.7		
4/12/2016				47.4	
4/13/2016					25.8 (D)
6/15/2016	9.1 (J)	23	29		
6/16/2016				44	
6/21/2016					28.6
8/10/2016	9	22	27		
8/11/2016				40	
8/15/2016					24
10/4/2016	<21	24		48	
10/5/2016			<21		<21
11/29/2016		23	24		
11/30/2016	11			43	

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 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					28
2/7/2017	9.9	24	29	42	
2/8/2017					27
4/4/2017	9.2	22	30		
4/5/2017				41	
4/6/2017					27
6/20/2017	9.9	25	36	46	
6/21/2017					31
10/4/2017	9.8			44	
10/5/2017		23	27		29
3/20/2018	10	23	27	42	
3/21/2018					<21 (X)
10/2/2018	9.9	23	27	43	29
3/26/2019	9.9	24	31	44	
3/27/2019					27
9/10/2019	11	39	51	46	
9/11/2019					33
3/18/2020	10	27	31	49	36

# Time Series

Constituent: Barium, Total (ug/L)    Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		17 (J)	29 (J)	10 (J)	
5/10/2010	18 (J)				39 (J)
6/16/2010	18 (J)				41 (J)
6/18/2010		14 (J)	28 (J)	9.7 (J)	
7/26/2010					40 (J)
7/27/2010	18 (J)	15 (J)			
7/28/2010				9.6 (J)	
7/29/2010			29 (J)		
9/7/2010					38 (J)
9/8/2010	17 (J)	13 (J)			
9/9/2010			28 (J)	10 (J)	
4/26/2011			38 (J)		
4/29/2011	16 (J)	16 (J)			34 (J)
4/30/2011				9.6 (J)	
10/27/2011	15				
10/28/2011		13	26	6.4 (O)	35
5/2/2012					38
5/3/2012		12		5.4 (O)	
5/4/2012	14		24		
11/9/2012					35 (V)
11/10/2012	16 (V)	15 (V)		9.4 (J)	
11/11/2012			27 (V)		
5/8/2013			45	9.3 (J)	37
5/9/2013	16	15			
11/5/2013				9 (J)	
11/6/2013	16	15			36 (V)
11/7/2013			26		
5/20/2014	16	15	24	9 (J)	
5/23/2014					36
11/8/2014					38
11/12/2014	17	18	29	9.8 (J)	
5/22/2015					35
5/23/2015		16			
5/24/2015	17		27	9.6 (J)	
11/10/2015					32
11/11/2015				9.2 (J)	
11/12/2015	16	15	29		
4/11/2016					35.2
4/13/2016	15.9 (D)	16.6 (D)	29 (D)	9.29 (JD)	
6/16/2016					33
6/21/2016	18	17.3	30.6	10.6	
8/11/2016					35
8/15/2016	15	15	26	7.7	
10/4/2016				<21	
10/5/2016	<21	<21			<21
10/7/2016			31		
11/29/2016					34
12/1/2016	16	16	31	8.9	
2/7/2017				8.9	
2/8/2017	15	16			32
2/9/2017			32		
4/5/2017		16			



# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	16		29	8.5	31
6/20/2017	16	17		9.7	
6/21/2017					35
6/22/2017			34		
10/5/2017	16	17		9.6	34
10/6/2017			31		
3/20/2018				9.1	33
3/21/2018	<21 (X)	<21 (X)			
3/22/2018			34		
10/2/2018	16	16		9.6	32
10/3/2018			30		
3/26/2019		17	35	9.2	33
3/27/2019	15				
9/11/2019	17	17	35	11	35
3/18/2020	19	18	58	9.9 (J)	36

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	18 (J)	48 (J)	32 (J)	39	31 (J)
6/16/2010	17 (J)				
6/17/2010			31 (J)	17	33 (J)
6/19/2010		33 (J)			
7/27/2010	16 (J)	47 (J)	35 (J)		
7/28/2010				71 (O)	33 (J)
9/7/2010	17 (J)		32 (J)	26	
9/8/2010					33 (J)
9/9/2010		45 (J)			
4/28/2011		48 (J)			39 (J)
4/29/2011	18 (J)		31 (J)	16	
10/28/2011	16	44	30	14	
10/29/2011					29
5/2/2012	18				
5/3/2012		47	32	17	36
11/9/2012	17 (V)	55 (V)		22 (V)	
11/10/2012			28 (V)		32 (V)
5/9/2013	17	49	29		
5/10/2013				25	35
11/5/2013		45			
11/6/2013	18 (V)		30 (V)	15	37
5/22/2014	16	40	29	16	31
11/8/2014	18				
11/9/2014			32	17	34
11/13/2014		45			
5/22/2015				17	39
5/23/2015	18				
5/24/2015		45	29		
11/10/2015	17		26	18	
11/11/2015		45			42
4/11/2016	19.1				
4/12/2016		51.9	33	16.9 (D)	38.6
6/16/2016	17	45	28		
6/20/2016				14	31
8/11/2016	15	40	26		
8/12/2016				18	33
10/4/2016		44			
10/5/2016	<21		30	15	
10/6/2016					42
11/29/2016	17				
11/30/2016		44	30	18	40
2/7/2017		44			
2/8/2017	17		33	18	42
4/5/2017	17				
4/6/2017		41	33	17	41
6/20/2017		45			
6/21/2017	19		30	20	
6/22/2017					47
10/4/2017		47			
10/5/2017	18		28	17	
10/6/2017					45
3/20/2018	19	45			

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<21 (X)	<21 (X)	45
10/2/2018	18	44			
10/3/2018			28	16	42
3/26/2019	18	45	30	15	53
9/10/2019		47		14	37
9/12/2019	26		35		
3/18/2020		48		13	
3/19/2020	25		32		45

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			29 (J)	50 (J)	26 (J)
5/11/2010	34 (J)	53 (J)			
6/16/2010					26 (J)
6/18/2010	28 (J)	55 (J)	44 (J)		
6/19/2010				45 (J)	
7/27/2010	26 (J)	53 (J)			29 (J)
7/28/2010			28 (J)	46 (J)	
9/8/2010				71 (J)	27 (J)
9/9/2010	22 (J)	50 (J)	29 (J)		
4/29/2011	16 (J)				20 (J)
4/30/2011		50 (J)	25 (J)	98 (J)	
10/27/2011				48	20
10/28/2011	14				
10/29/2011		45	26		
5/3/2012					21
5/4/2012	17	51	32	55	
11/10/2012	14 (V)	48 (V)	28 (V)		
11/11/2012				50 (V)	28 (V)
5/9/2013	16	48	30		26
5/10/2013				120	
11/6/2013	16				26
11/7/2013		49	31	44	
5/21/2014		48	29	37	23
5/22/2014	16				
11/9/2014	18	53			
11/12/2014			31		38
11/13/2014				85	
5/23/2015				54	21
5/24/2015	110	61	39		
11/11/2015	120	63	32	59	
11/12/2015					20
4/12/2016		62.6			
4/13/2016			32.8 (D)		16.4 (D)
4/19/2016	99			41.5	
6/20/2016		57	30		
6/22/2016	74				23.8
8/12/2016		53			
8/15/2016			33		20
8/16/2016	45				
10/6/2016	46	53	32		21
10/10/2016				34	
11/30/2016		60			
12/1/2016	46		34	37	25
2/8/2017					17
2/9/2017	55	54	32	43	
4/6/2017	57	55			19
4/7/2017			31	19	
6/21/2017	62	63		17	26
6/22/2017			35		
8/15/2017				21	
9/1/2017				20	
10/5/2017	52				22

# Time Series

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		54	34		
10/9/2017				19	
3/21/2018		56			<21 (X)
3/22/2018	48		35	19	
10/2/2018					23
10/3/2018	36	51			
10/4/2018			31	12	
3/26/2019		52			
3/27/2019	38		33	25	18
9/11/2019	39	59	35	22	28
3/18/2020	40	50		43	13
3/19/2020			36		

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 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			<2.5		
5/9/2010	<2.5	<2.5			
5/10/2010					<2.5
5/11/2010				<2.5	
6/16/2010		<2.5	<2.5		<2.5
6/17/2010				<2.5	
6/18/2010	<2.5				
7/26/2010			<2.5		
7/27/2010		<2.5		<2.5	
7/28/2010	<2.5				<2.5
9/7/2010		<2.5	<2.5		
9/8/2010					<2.5
9/9/2010	<2.5			<2.5	
4/28/2011				<2.5	
4/29/2011		<2.5	<2.5		<2.5
4/30/2011	<2.5				
10/27/2011					<2.5
10/28/2011	<2.5	<2.5	<2.5		
10/29/2011				<2.5	
5/2/2012	<2.5	<2.5	<2.5		
5/3/2012				<2.5	
5/4/2012					<2.5
11/9/2012	<2.5	<2.5	2.1	<2.5	
11/11/2012					<2.5
5/8/2013	<2.5	<2.5	<2.5		
5/9/2013				<2.5	<2.5
11/5/2013	<2.5			<2.5	<2.5
11/6/2013		<2.5	<2.5		
5/20/2014	<2.5	<2.5	<2.5		
5/21/2014					<2.5
5/23/2014				<2.5	
11/8/2014		<2.5	<2.5		
11/12/2014	<2.5				<2.5
11/13/2014				<2.5	
5/22/2015	<2.5	<2.5	<2.5		
5/23/2015				<2.5	<2.5
11/9/2015		<2.5	<2.5		
11/11/2015	<2.5			<2.5	
11/12/2015					<2.5
4/6/2016	<2.5	<2.5	<2.5		
4/12/2016				<2.5	
4/13/2016					<2.5 (D)
6/15/2016	<2.5	<2.5	<2.5		
6/16/2016				<2.5	
6/21/2016					<2.5
8/10/2016	<2.5	<2.5	<2.5		
8/11/2016				<2.5	
8/15/2016					<2.5
10/4/2016	<2.5	<2.5		<2.5	
10/5/2016			<2.5		<2.5
11/29/2016		<2.5	<2.5		
11/30/2016	<2.5			<2.5	

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 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					<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5	
2/8/2017					<2.5
4/4/2017	<2.5	<2.5	<2.5		
4/5/2017				<2.5	
4/6/2017					<2.5
6/20/2017	<2.5	<2.5	<2.5	<2.5	
6/21/2017					<2.5
10/4/2017	<2.5			<2.5	
10/5/2017		<2.5	<2.5		<2.5
3/20/2018	<2.5 (D)	<2.5	<2.5	<2.5	
3/21/2018					<2.5
10/2/2018	<2.5	<2.5	<2.5	<2.5	<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	
3/27/2019					<2.5
9/10/2019	<2.5	<2.5	<2.5	<2.5	
9/11/2019					<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5

# Time Series

Constituent: Beryllium, Total (ug/L)    Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<2.5	<2.5	<2.5	
5/10/2010	<2.5				<2.5
6/16/2010	<2.5				<2.5
6/18/2010		<2.5	<2.5	<2.5	
7/26/2010					<2.5
7/27/2010	<2.5	<2.5			
7/28/2010				<2.5	
7/29/2010			<2.5		
9/7/2010					<2.5
9/8/2010	<2.5	<2.5			
9/9/2010			<2.5	<2.5	
4/26/2011			<2.5		
4/29/2011	<2.5	<2.5			<2.5
4/30/2011				<2.5	
10/27/2011	<2.5				
10/28/2011		<2.5	<2.5	<2.5	<2.5
5/2/2012					<2.5
5/3/2012		<2.5		<2.5	
5/4/2012	<2.5		<2.5		
11/9/2012					<2.5
11/10/2012	<2.5	<2.5		<2.5	
11/11/2012			<2.5		
5/8/2013			<2.5	<2.5	<2.5
5/9/2013	<2.5	<2.5			
11/5/2013				<2.5	
11/6/2013	<2.5	<2.5			<2.5
11/7/2013			<2.5		
5/20/2014	<2.5	<2.5	<2.5	<2.5	
5/23/2014					<2.5
11/8/2014					<2.5
11/12/2014	<2.5	<2.5	<2.5	<2.5	
5/22/2015					<2.5
5/23/2015		<2.5			
5/24/2015	<2.5		<2.5	<2.5	
11/10/2015					<2.5
11/11/2015				<2.5	
11/12/2015	<2.5	<2.5	<2.5		
4/11/2016					<2.5
4/13/2016	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	
6/16/2016					<2.5
6/21/2016	<2.5	<2.5	<2.5	<2.5	
8/11/2016					<2.5
8/15/2016	<2.5	<2.5	<2.5	<2.5	
10/4/2016				<2.5	
10/5/2016	<2.5	<2.5			<2.5
10/7/2016			<2.5		
11/29/2016					<2.5
12/1/2016	<2.5	<2.5	<2.5	<2.5	
2/7/2017				<2.5	
2/8/2017	<2.5	<2.5			<2.5
2/9/2017			<2.5		
4/5/2017		<2.5			



# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<2.5		<2.5	<2.5	<2.5
6/20/2017	<2.5	<2.5		<2.5	
6/21/2017					<2.5
6/22/2017			<2.5		
10/5/2017	<2.5	<2.5		<2.5	<2.5
10/6/2017			<2.5		
3/20/2018				<2.5	<2.5
3/21/2018	<2.5	<2.5 (D)			
3/22/2018			<2.5		
10/2/2018	<2.5	<2.5		<2.5	<2.5
10/3/2018			<2.5		
3/26/2019		<2.5	<2.5	<2.5	<2.5
3/27/2019	<2.5				
9/11/2019	<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<2.5	<2.5	<2.5	<2.5	<2.5
6/16/2010	<2.5				
6/17/2010			<2.5	<2.5	<2.5
6/19/2010		<2.5			
7/27/2010	<2.5	<2.5	<2.5		
7/28/2010				<2.5	<2.5
9/7/2010	<2.5		<2.5	<2.5	
9/8/2010					<2.5
9/9/2010		<2.5			
4/28/2011		<2.5			<2.5
4/29/2011	<2.5		<2.5	<2.5	
10/28/2011	<2.5	<2.5	<2.5	<2.5	
10/29/2011					<2.5
5/2/2012	<2.5				
5/3/2012		<2.5	<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5		<2.5	
11/10/2012			<2.5		<2.5
5/9/2013	<2.5	<2.5	<2.5		
5/10/2013				<2.5	<2.5
11/5/2013		<2.5			
11/6/2013	<2.5		<2.5	<2.5	<2.5
5/22/2014	<2.5	<2.5	<2.5	<2.5	<2.5
11/8/2014	<2.5				
11/9/2014			<2.5	<2.5	<2.5
11/13/2014		<2.5			
5/22/2015				<2.5	<2.5
5/23/2015	<2.5				
5/24/2015		<2.5	<2.5		
11/10/2015	<2.5		<2.5	<2.5	
11/11/2015		<2.5			<2.5
4/11/2016	<2.5				
4/12/2016		<2.5	<2.5	<2.5 (D)	<2.5
6/16/2016	<2.5	<2.5	<2.5		
6/20/2016				<2.5	<2.5
8/11/2016	<2.5	<2.5	<2.5		
8/12/2016				<2.5	<2.5
10/4/2016		<2.5			
10/5/2016	<2.5		<2.5	<2.5	
10/6/2016					<2.5
11/29/2016	<2.5				
11/30/2016		<2.5	<2.5	<2.5	<2.5
2/7/2017		<2.5			
2/8/2017	<2.5		<2.5	<2.5	<2.5
4/5/2017	<2.5				
4/6/2017		<2.5	<2.5	<2.5	<2.5
6/20/2017		<2.5			
6/21/2017	<2.5		<2.5	<2.5	
6/22/2017					<2.5
10/4/2017		<2.5			
10/5/2017	<2.5		<2.5	<2.5	
10/6/2017					<2.5
3/20/2018	<2.5	<2.5			

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<2.5	<2.5	<2.5
10/2/2018	<2.5	<2.5			
10/3/2018			<2.5	<2.5	<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	<2.5
9/10/2019		<2.5		<2.5	<2.5
9/12/2019	<2.5		<2.5		
3/18/2020		<2.5		<2.5	
3/19/2020	<2.5		<2.5		<2.5

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<2.5	<2.5	<2.5
5/11/2010	<2.5	<2.5			
6/16/2010					<2.5
6/18/2010	<2.5	<2.5	<2.5		
6/19/2010				<2.5	
7/27/2010	<2.5	<2.5			<2.5
7/28/2010			<2.5	<2.5	
9/8/2010				<2.5	<2.5
9/9/2010	<2.5	<2.5	<2.5		
4/29/2011	<2.5				<2.5
4/30/2011		<2.5	<2.5	<2.5	
10/27/2011				<2.5	<2.5
10/28/2011	<2.5				
10/29/2011		<2.5	<2.5		
5/3/2012					<2.5
5/4/2012	<2.5	<2.5	<2.5	<2.5	
11/10/2012	<2.5	<2.5	<2.5		
11/11/2012				<2.5	<2.5
5/9/2013	<2.5	<2.5	<2.5		<2.5
5/10/2013				<2.5	
11/6/2013	<2.5				<2.5
11/7/2013		<2.5	<2.5	<2.5	
5/21/2014		<2.5	<2.5	<2.5	<2.5
5/22/2014	<2.5				
11/9/2014	<2.5	<2.5			
11/12/2014			<2.5		<2.5
11/13/2014				<2.5	
5/23/2015				<2.5	<2.5
5/24/2015	<2.5	<2.5	<2.5		
11/11/2015	<2.5	<2.5	<2.5	<2.5	
11/12/2015					<2.5
4/12/2016		<2.5			
4/13/2016			<2.5 (D)		<2.5 (D)
4/19/2016	<2.5			<2.5	
6/20/2016		<2.5	<2.5		
6/22/2016	<2.5				<2.5
8/12/2016		<2.5			
8/15/2016			<2.5		<2.5
8/16/2016	<2.5				
10/6/2016	<2.5	<2.5	<2.5		<2.5
10/10/2016				<2.5	
11/30/2016		<2.5			
12/1/2016	<2.5		<2.5	<2.5	<2.5
2/8/2017					<2.5
2/9/2017	<2.5	<2.5	<2.5	<2.5	
4/6/2017	<2.5	<2.5			<2.5
4/7/2017			<2.5	<2.5	
6/21/2017	<2.5	<2.5		<2.5	<2.5
6/22/2017			<2.5		
8/15/2017				<2.5	
9/1/2017				<2.5	
10/5/2017	<2.5				<2.5

# Time Series

Constituent: Beryllium, Total (ug/L) Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<2.5	<2.5		
10/9/2017				<2.5	
3/21/2018		<2.5			<2.5
3/22/2018	<2.5		<2.5	<2.5	
10/2/2018					<2.5
10/3/2018	<2.5	<2.5			
10/4/2018			<2.5	<2.5	
3/26/2019		<2.5			
3/27/2019	<2.5		<2.5	<2.5	<2.5
9/11/2019	<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5		<2.5	<2.5
3/19/2020			<2.5		

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:13 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



# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 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			<2.5		
5/9/2010	<2.5	<2.5			
5/10/2010					<2.5
5/11/2010				<2.5	
6/16/2010		<2.5	<2.5		<2.5
6/17/2010				<2.5	
6/18/2010	<2.5				
7/26/2010			<2.5		
7/27/2010		<2.5		<2.5	
7/28/2010	<2.5				<2.5
9/7/2010		<2.5	<2.5		
9/8/2010					<2.5
9/9/2010	<2.5			<2.5	
4/28/2011				<2.5	
4/29/2011		<2.5	<2.5		<2.5
4/30/2011	<2.5				
10/27/2011					<2.5
10/28/2011	<2.5	<2.5	<2.5		
10/29/2011				<2.5	
5/2/2012	<2.5	<2.5	<2.5		
5/3/2012				<2.5	
5/4/2012					<2.5
11/9/2012	<2.5	<2.5	<2.5	<2.5	
11/11/2012					<2.5
5/8/2013	<2.5	<2.5	<2.5		
5/9/2013				<2.5	<2.5
11/5/2013	<2.5			<2.5	<2.5
11/6/2013		<2.5	<2.5		
5/20/2014	<2.5	<2.5	<2.5		
5/21/2014					<2.5
5/23/2014				<2.5	
11/8/2014		<2.5	<2.5		
11/12/2014	<2.5				<2.5
11/13/2014				<2.5	
5/22/2015	<2.5	<2.5	<2.5		
5/23/2015				<2.5	<2.5
11/9/2015		<2.5	<2.5		
11/11/2015	<2.5			<2.5	
11/12/2015					<2.5
4/6/2016	<2.5	<2.5	<2.5		
4/12/2016				<2.5	
4/13/2016					<2.5 (D)
6/15/2016	<2.5	<2.5	<2.5		
6/16/2016				<2.5	
6/21/2016					<2.5
8/10/2016	<2.5	<2.5	<2.5		
8/11/2016				<2.5	
8/15/2016					<2.5
10/4/2016	<2.5	<2.5		<2.5	
10/5/2016			<2.5		<2.5
11/29/2016		<2.5	<2.5		
11/30/2016	<2.5			<2.5	

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 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					<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5	
2/8/2017					<2.5
4/4/2017	<2.5	<2.5	<2.5		
4/5/2017				<2.5	
4/6/2017					<2.5
6/20/2017	<2.5	<2.5	<2.5	<2.5	
6/21/2017					<2.5
10/4/2017	<2.5			<2.5	
10/5/2017		<2.5	<2.5		<2.5
3/20/2018	<2.5 (D)	<2.5	<2.5	<2.5	
3/21/2018					<2.5
10/2/2018	<2.5	<2.5	<2.5	<2.5	<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	
3/27/2019					<2.5
9/10/2019	<2.5	<2.5	0.13 (J)	<2.5	
9/11/2019					<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<2.5	<2.5	<2.5	
5/10/2010	<2.5				<2.5
6/16/2010	<2.5				<2.5
6/18/2010		<2.5	<2.5	<2.5	
7/26/2010					<2.5
7/27/2010	<2.5	<2.5			
7/28/2010				<2.5	
7/29/2010			<2.5		
9/7/2010					<2.5
9/8/2010	<2.5	<2.5			
9/9/2010			<2.5	<2.5	
4/26/2011			<2.5		
4/29/2011	<2.5	<2.5			<2.5
4/30/2011				<2.5	
10/27/2011	<2.5				
10/28/2011		<2.5	<2.5	<2.5	<2.5
5/2/2012					<2.5
5/3/2012		<2.5		<2.5	
5/4/2012	<2.5		<2.5		
11/9/2012					<2.5
11/10/2012	<2.5	<2.5		<2.5	
11/11/2012			<2.5		
5/8/2013			<2.5	<2.5	<2.5
5/9/2013	<2.5	<2.5			
11/5/2013				<2.5	
11/6/2013	<2.5	<2.5			<2.5
11/7/2013			<2.5		
5/20/2014	<2.5	<2.5	<2.5	<2.5	
5/23/2014					<2.5
11/8/2014					<2.5
11/12/2014	<2.5	<2.5	<2.5	<2.5	
5/22/2015					<2.5
5/23/2015		<2.5			
5/24/2015	<2.5		<2.5	<2.5	
11/10/2015					<2.5
11/11/2015				<2.5	
11/12/2015	<2.5	<2.5	<2.5		
4/11/2016					<2.5
4/13/2016	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	
6/16/2016					<2.5
6/21/2016	<2.5	<2.5	<2.5	<2.5	
8/11/2016					<2.5
8/15/2016	<2.5	<2.5	<2.5	<2.5	
10/4/2016				<2.5	
10/5/2016	<2.5	<2.5			<2.5
10/7/2016			<2.5		
11/29/2016					<2.5
12/1/2016	<2.5	<2.5	<2.5	<2.5	
2/7/2017				<2.5	
2/8/2017	<2.5	<2.5			<2.5
2/9/2017			<2.5		
4/5/2017		<2.5			

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<2.5		<2.5	<2.5	<2.5
6/20/2017	<2.5	<2.5		<2.5	
6/21/2017					<2.5
6/22/2017			<2.5		
10/5/2017	<2.5	<2.5		<2.5	<2.5
10/6/2017			<2.5		
3/20/2018				<2.5	<2.5
3/21/2018	<2.5	<2.5 (D)			
3/22/2018			<2.5		
10/2/2018	<2.5	<2.5		<2.5	<2.5
10/3/2018			<2.5		
3/26/2019		<2.5	<2.5	<2.5	<2.5
3/27/2019	<2.5				
9/11/2019	<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<2.5	<2.5	<2.5	<2.5	<2.5
6/16/2010	<2.5				
6/17/2010			<2.5	<2.5	<2.5
6/19/2010		<2.5			
7/27/2010	<2.5	<2.5	<2.5		
7/28/2010				<2.5	<2.5
9/7/2010	<2.5		<2.5	<2.5	
9/8/2010					<2.5
9/9/2010		<2.5			
4/28/2011		<2.5			<2.5
4/29/2011	<2.5		<2.5	<2.5	
10/28/2011	<2.5	<2.5	<2.5	<2.5	
10/29/2011					<2.5
5/2/2012	<2.5				
5/3/2012		<2.5	<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5		<2.5	
11/10/2012			<2.5		<2.5
5/9/2013	<2.5	<2.5	<2.5		
5/10/2013				<2.5	<2.5
11/5/2013		<2.5			
11/6/2013	<2.5		<2.5	<2.5	<2.5
5/22/2014	<2.5	<2.5	<2.5	<2.5	<2.5
11/8/2014	<2.5				
11/9/2014			<2.5	<2.5	<2.5
11/13/2014		<2.5			
5/22/2015				<2.5	<2.5
5/23/2015	<2.5				
5/24/2015		<2.5	<2.5		
11/10/2015	<2.5		<2.5	<2.5	
11/11/2015		<2.5			<2.5
4/11/2016	<2.5				
4/12/2016		<2.5	<2.5	<2.5 (D)	<2.5
6/16/2016	<2.5	<2.5	<2.5		
6/20/2016				<2.5	<2.5
8/11/2016	<2.5	<2.5	<2.5		
8/12/2016				<2.5	<2.5
10/4/2016		<2.5			
10/5/2016	<2.5		<2.5	<2.5	
10/6/2016					<2.5
11/29/2016	<2.5				
11/30/2016		<2.5	<2.5	<2.5	<2.5
2/7/2017		<2.5			
2/8/2017	<2.5		<2.5	<2.5	<2.5
4/5/2017	<2.5				
4/6/2017		<2.5	<2.5	<2.5	<2.5
6/20/2017		<2.5			
6/21/2017	<2.5		<2.5	<2.5	
6/22/2017					<2.5
10/4/2017		<2.5			
10/5/2017	<2.5		<2.5	<2.5	
10/6/2017					<2.5
3/20/2018	<2.5	<2.5			

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<2.5	<2.5	<2.5
10/2/2018	<2.5	<2.5			
10/3/2018			<2.5	<2.5	<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	<2.5
9/10/2019		<2.5		<2.5	<2.5
9/12/2019	<2.5		<2.5		
3/18/2020		<2.5		<2.5	
3/19/2020	<2.5		<2.5		<2.5

# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<2.5	<2.5	<2.5
5/11/2010	<2.5	<2.5			
6/16/2010					<2.5
6/18/2010	<2.5	<2.5	<2.5		
6/19/2010				<2.5	
7/27/2010	<2.5	<2.5			<2.5
7/28/2010			<2.5	<2.5	
9/8/2010				1	<2.5
9/9/2010	<2.5	<2.5	<2.5		
4/29/2011	<2.5				<2.5
4/30/2011		<2.5	<2.5	1.4	
10/27/2011				1.1	<2.5
10/28/2011	<2.5				
10/29/2011		<2.5	<2.5		
5/3/2012					<2.5
5/4/2012	<2.5	<2.5	<2.5	<2.5	
11/10/2012	<2.5	<2.5	<2.5		
11/11/2012				<2.5	<2.5
5/9/2013	<2.5	<2.5	<2.5		<2.5
5/10/2013				1.6	
11/6/2013	<2.5				<2.5
11/7/2013		<2.5	<2.5	1	
5/21/2014		<2.5	<2.5	<2.5	<2.5
5/22/2014	<2.5				
11/9/2014	<2.5	<2.5			
11/12/2014			<2.5		<2.5
11/13/2014				<2.5	
5/23/2015				<2.5	<2.5
5/24/2015	<2.5	<2.5	<2.5		
11/11/2015	<2.5	<2.5	<2.5	<2.5	
11/12/2015					<2.5
4/12/2016		<2.5			
4/13/2016			<2.5 (D)		<2.5 (D)
4/19/2016	<2.5			0.379 (J)	
6/20/2016		<2.5	<2.5		
6/22/2016	<2.5				<2.5
8/12/2016		<2.5			
8/15/2016			<2.5		<2.5
8/16/2016	<2.5				
10/6/2016	<2.5	<2.5	<2.5		<2.5
10/10/2016				<2.5	
11/30/2016		<2.5			
12/1/2016	<2.5		<2.5	<2.5	<2.5
2/8/2017					<2.5
2/9/2017	<2.5	<2.5	<2.5	0.37 (J)	
4/6/2017	<2.5	<2.5			<2.5
4/7/2017			<2.5	<2.5	
6/21/2017	<2.5	<2.5		<2.5	<2.5
6/22/2017			<2.5		
8/15/2017				<2.5	
9/1/2017				<2.5	
10/5/2017	<2.5				<2.5



# Time Series

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<2.5	<2.5		
10/9/2017				<2.5	
3/21/2018		<2.5			<2.5
3/22/2018	<2.5		<2.5	<2.5	
10/2/2018					<2.5
10/3/2018	<2.5	<2.5			
10/4/2018			<2.5	<2.5	
3/26/2019		<2.5			
3/27/2019	<2.5		<2.5	<2.5	<2.5
9/11/2019	<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5		<2.5	<2.5
3/19/2020			<2.5		

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:13 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



# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:13 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			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		

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 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			3.2 (J)		
5/9/2010	<2	3 (J)			
5/10/2010					11
5/11/2010				7.7	
6/16/2010		4.2 (J)	3.7 (J)		9.5
6/17/2010				5.3	
6/18/2010	<2				
7/26/2010			5.8		
7/27/2010		4.8 (J)		8.5	
7/28/2010	<2				10
9/7/2010		3.7 (J)	7.8		
9/8/2010					11
9/9/2010	<2			7.6	
4/28/2011				4.8 (J)	
4/29/2011		4.6 (J)	5		9.6
4/30/2011	<2				
10/27/2011					11
10/28/2011	<2	5	6.8		
10/29/2011				9.3	
5/2/2012	<2	5.2	6.5		
5/3/2012				10	
5/4/2012					10
11/9/2012	<2	5.4	6	9	
11/11/2012					10
5/8/2013	<2	5.8	7.4		
5/9/2013				8.5	11
11/5/2013	3.6			15	15
11/6/2013		6.2 (J)	8.2 (J)		
5/20/2014	<2	4.7 (J)	5.1 (J)		
5/21/2014					13
5/23/2014				12	
11/8/2014		6.4 (J)	7.4 (J)		
11/12/2014	<2				12
11/13/2014				11	
5/22/2015	<2	5.9 (J)	8.4 (J)		
5/23/2015				12	14
11/9/2015		4.3 (J)	9 (J)		
11/11/2015	<2			14	
11/12/2015					16
4/6/2016	<2	4.57 (J)	7.79 (J)		
4/12/2016				13.5	
4/13/2016					15.2 (D)
6/15/2016	<2	<2	<2		
6/16/2016				14	
6/21/2016					16
8/10/2016	<2	4.2	6.8		
8/11/2016				13	
8/15/2016					15
10/4/2016	<2	5.2		14	
10/5/2016			7.6		16
11/29/2016		4	4.5		
11/30/2016	<2			13	

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 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					15
2/7/2017	<2	4	6.7	13	
2/8/2017					17
4/4/2017	<2	2.1 (J)	7.9		
4/5/2017				14	
4/6/2017					18
6/20/2017	<2	4.6	8.4	13	
6/21/2017					17
10/4/2017	<2			15	
10/5/2017		5	6.1		18
3/20/2018	<2 (D)	4.4	6	13	
3/21/2018					17 (J+X)
10/2/2018	<2	4.3	6.1	14	18
3/26/2019	<2	4.6	6.5	13	
3/27/2019					17
9/10/2019	2.3 (J)	7.6	12	18	
9/11/2019					23
3/18/2020	<2	4.4	8.3	14	20

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<2	5.1	<2	
5/10/2010	11				12
6/16/2010	12				14
6/18/2010		<2	4.3 (J)	<2	
7/26/2010					13
7/27/2010	12	2 (J)			
7/28/2010				<2	
7/29/2010			5.8		
9/7/2010					15
9/8/2010	11	<2			
9/9/2010			5.2	<2	
4/26/2011			2.5 (J)		
4/29/2011	10	<2			14
4/30/2011				<2	
10/27/2011	7.7				
10/28/2011		<2	3.5 (J)	<2	14
5/2/2012					17
5/3/2012		<2		<2	
5/4/2012	8.2		7.3		
11/9/2012					14
11/10/2012	7	<2		<2	
11/11/2012			4 (J)		
5/8/2013			6	<2	17
5/9/2013	7.9	<2			
11/5/2013				3.6	
11/6/2013	11	3.1 (J)			17
11/7/2013			6.8 (J)		
5/20/2014	7.6 (J)	2 (J)	3.9 (J)	<2	
5/23/2014					13
11/8/2014					18
11/12/2014	7.1 (J)	<2	3.9 (J)	<2	
5/22/2015					20
5/23/2015		2.7 (J)			
5/24/2015	8.3 (J)		4 (J)	<2	
11/10/2015					13
11/11/2015				<2	
11/12/2015	6.9 (J)	2.2 (J)	7.7 (J)		
4/11/2016					13.9
4/13/2016	8.04 (JD)	<2 (D)	3.8 (JD)	<2 (D)	
6/16/2016					14
6/21/2016	8.6 (J)	1.2 (J)	3.5 (J)	0.6 (J)	
8/11/2016					16
8/15/2016	7.3	2.1 (J)	3.4	<2	
10/4/2016				<2	
10/5/2016	7.7	1.3 (J)			14
10/7/2016			3.7		
11/29/2016					13
12/1/2016	7.5	1.5 (J)	3.7	<2	
2/7/2017				<2	
2/8/2017	7.8	1.6 (J)			13
2/9/2017			3.8		
4/5/2017		1.4 (J)			

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	7.9		3.9	<2	14
6/20/2017	7.8	1.5 (J)		<2	
6/21/2017					13
6/22/2017			4.2		
10/5/2017	8.1	1.5 (J)		<2	14
10/6/2017			3.9		
3/20/2018				<2	14
3/21/2018	<2 (X)	<2 (XD)			
3/22/2018			28 (O)		
10/2/2018	7.5	1.2 (J)		<2	14
10/3/2018			5.6		
3/26/2019		1.3 (J)	4.8	<2	14
3/27/2019	7				
9/11/2019	11	3.6	7.5	3.8	17
3/18/2020	8.6	1.6 (J)	8	<2	14

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	3.9 (J)	5.1	6.3	10	4.6 (J)
6/16/2010	4.9 (J)				
6/17/2010			5.3	8.7	7
6/19/2010		<2			
7/27/2010	4.7 (J)	10	6.4		
7/28/2010				28 (O)	8.4
9/7/2010	5.7		7.8	22	
9/8/2010					7.1
9/9/2010		7.2			
4/28/2011		7.7			8
4/29/2011	8.7		6.5	9.9	
10/28/2011	7.5	11	9.2	8.9	
10/29/2011					5.4
5/2/2012	11				
5/3/2012		11	11	9.1	6.5
11/9/2012	7.6	8.9		8	
11/10/2012			7.3		5.9
5/9/2013	8.8	8.9	9.8		
5/10/2013				19	8.3
11/5/2013		11			
11/6/2013	11		11	13	9.9 (J)
5/22/2014	5.7 (J)	10	9.7 (J)	9.3 (J)	4.9 (J)
11/8/2014	13				
11/9/2014			12	9.8 (J)	6.8 (J)
11/13/2014		8.4 (J)			
5/22/2015				10	8.7 (J)
5/23/2015	14				
5/24/2015		9.5 (J)	16		
11/10/2015	9.1 (J)		8.8 (J)	11	
11/11/2015		11			8.4 (J)
4/11/2016	7.67 (J)				
4/12/2016		12.2	9.65 (J)	9.25 (JD)	4.19 (J)
6/16/2016	<2	<2	<2		
6/20/2016				7.6 (J)	4.3 (J)
8/11/2016	8.5	10	8.3		
8/12/2016				7.9	3.7
10/4/2016		11			
10/5/2016	10		9.4	8.5	
10/6/2016					6.2
11/29/2016	8.7				
11/30/2016		9.8	8.4	8.6	4.3
2/7/2017		9.6			
2/8/2017	9.3		9.1	11	5.2
4/5/2017	9.8				
4/6/2017		10	11	9.8	5
6/20/2017		10			
6/21/2017	9.4		8.1	11	
6/22/2017					5.2
10/4/2017		11			
10/5/2017	9.6		8.3	10	
10/6/2017					4.9
3/20/2018	9.7	9.9			

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<2 (X)	<2 (X)	<2 (X)
10/2/2018	9.7	10			
10/3/2018			9.1	8.1	3.9
3/26/2019	9.1	9.6	9.2	7.5	8.4
9/10/2019		14		9.2	6.7
9/12/2019	12		11		
3/18/2020		11		4.9	
3/19/2020	12		9.4		4.5

# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			7	<2	9.7
5/11/2010	4 (J)	<2			
6/16/2010					7.4
6/18/2010	5.6	6.3	11		
6/19/2010				<2	
7/27/2010	5.1	4 (J)			6.8
7/28/2010			9.2	3.4 (J)	
9/8/2010				14	7
9/9/2010	3.7 (J)	5.3	10		
4/29/2011	3.6 (J)				6.2
4/30/2011		3.5 (J)	12	22	
10/27/2011				6.4	8.4
10/28/2011	2.6 (J)				
10/29/2011		4.8 (J)	12		
5/3/2012					9.9
5/4/2012	3.1 (J)	6.4	13	5.9	
11/10/2012	<2	8.4	9.7		
11/11/2012				11	7.3
5/9/2013	3.3 (J)	4.1 (J)	13		8.5
5/10/2013				38 (O)	
11/6/2013	4.5 (J)				13
11/7/2013		7.7 (J)	13	12	
5/21/2014		4.4 (J)	9.1 (J)	4.8 (J)	9.7 (J)
5/22/2014	3.5 (J)				
11/9/2014	6.2 (J)	7.1 (J)			
11/12/2014			9.7 (J)		7.2 (J)
11/13/2014				23	
5/23/2015				15	9.5 (J)
5/24/2015	12	10	18		
11/11/2015	6.8 (J)	5.3 (J)	8.6 (J)	16	
11/12/2015					4.6 (J)
4/12/2016		4.93 (J)			
4/13/2016			9.24 (JD)		6.27 (JD)
4/19/2016	3.68 (J)			8.6 (J)	
6/20/2016		4.3 (J)	8.4 (J)		
6/22/2016	3.1 (J)				7.9 (J)
8/12/2016		3.7			
8/15/2016			8.3		7.5
8/16/2016	2.8				
10/6/2016	3	4	8.1		7.1
10/10/2016				5.2	
11/30/2016		3.5			
12/1/2016	2.2 (J)		8.3	6.2	7
2/8/2017					4.7
2/9/2017	3.5	4.1	8.7	9.1	
4/6/2017	3.2	3.8			6
4/7/2017			9	<2	
6/21/2017	3.1	4		<2	7.1
6/22/2017			9.2		
8/15/2017				<2	
9/1/2017				<2	
10/5/2017	2.9				8



# Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		3.8	9.5		
10/9/2017				<2	
3/21/2018		<2 (X)			<2 (X)
3/22/2018	8.6 (J+X)		8.6 (J+X)	7.9 (J+X)	
10/2/2018					8.1
10/3/2018	3	4.2			
10/4/2018			8.3	<2	
3/26/2019		4.4			
3/27/2019	3.9		8.8	<2	6.4
9/11/2019	7.9	7.8	13	5.2	12
3/18/2020	5.2	4.6		<2	6.6
3/19/2020			11		

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 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			<2.5		
5/9/2010	<2.5	<2.5			
5/10/2010					<2.5
5/11/2010				<2.5	
6/16/2010		<2.5	<2.5		<2.5
6/17/2010				<2.5	
6/18/2010	<2.5				
7/26/2010			<2.5		
7/27/2010		<2.5		<2.5	
7/28/2010	<2.5				<2.5
9/7/2010		<2.5	<2.5		
9/8/2010					<2.5
9/9/2010	<2.5			<2.5	
4/28/2011				<2.5	
4/29/2011		3 (O)	<2.5		<2.5
4/30/2011	<2.5				
10/27/2011					<2.5
10/28/2011	<2.5	<2.5	<2.5		
10/29/2011				<2.5	
5/2/2012	<2.5	<2.5	<2.5		
5/3/2012				<2.5	
5/4/2012					<2.5
11/9/2012	<2.5	<2.5	<2.5	<2.5	
11/11/2012					<2.5
5/8/2013	<2.5	<2.5	<2.5		
5/9/2013				<2.5	<2.5
11/5/2013	<2.5			<2.5	<2.5
11/6/2013		<2.5	<2.5		
5/20/2014	<2.5	<2.5	<2.5		
5/21/2014					<2.5
5/23/2014				<2.5	
11/8/2014		<2.5	<2.5		
11/12/2014	<2.5				<2.5
11/13/2014				<2.5	
5/22/2015	<2.5	<2.5	<2.5		
5/23/2015				<2.5	<2.5
11/9/2015		<2.5	<2.5		
11/11/2015	<2.5			<2.5	
11/12/2015					<2.5
4/6/2016	2.61 (O)	<2.5	<2.5		
4/12/2016				<2.5	
4/13/2016					<2.5 (D)
6/15/2016	0.92 (J)	0.022 (J)	0.084 (J)		
6/16/2016				<2.5	
6/21/2016					<2.5
8/10/2016	0.76 (J)	<2.5	<2.5		
8/11/2016				<2.5	
8/15/2016					<2.5
10/4/2016	0.81 (J)	<2.5		<2.5	
10/5/2016			<2.5		<2.5
11/29/2016		<2.5	<2.5		
11/30/2016	0.61 (J)			<2.5	

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 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					<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5	
2/8/2017					<2.5
4/4/2017	0.84 (J)	<2.5	<2.5		
4/5/2017				<2.5	
4/6/2017					<2.5
6/20/2017	1.2 (J)	<2.5	<2.5	<2.5	
6/21/2017					<2.5
10/4/2017	0.87 (J)			<2.5	
10/5/2017		<2.5	<2.5		<2.5
3/20/2018	1.8 (JD)	<2.5	<2.5	<2.5	
3/21/2018					<2.5
10/2/2018	1.1 (J)	<2.5	<2.5	<2.5	<2.5
3/26/2019	1.9 (J)	<2.5	<2.5	<2.5	
3/27/2019					<2.5
9/10/2019	1.2 (J)	0.31 (J)	0.52 (J)	<2.5	
9/11/2019					<2.5
3/18/2020	1.7 (J)	0.34 (J)	<2.5	0.17 (J)	<2.5

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<2.5	<2.5	<2.5	
5/10/2010	<2.5				<2.5
6/16/2010	<2.5				<2.5
6/18/2010		<2.5	<2.5	<2.5	
7/26/2010					<2.5
7/27/2010	<2.5	<2.5			
7/28/2010				<2.5	
7/29/2010			<2.5		
9/7/2010					<2.5
9/8/2010	<2.5	<2.5			
9/9/2010			<2.5	<2.5	
4/26/2011			<2.5		
4/29/2011	<2.5	<2.5			<2.5
4/30/2011				<2.5	
10/27/2011	<2.5				
10/28/2011		<2.5	<2.5	<2.5	<2.5
5/2/2012					<2.5
5/3/2012		<2.5		<2.5	
5/4/2012	<2.5		<2.5		
11/9/2012					<2.5
11/10/2012	<2.5	<2.5		<2.5	
11/11/2012			<2.5		
5/8/2013			<2.5	<2.5	<2.5
5/9/2013	<2.5	<2.5			
11/5/2013				<2.5	
11/6/2013	<2.5	<2.5			<2.5
11/7/2013			<2.5		
5/20/2014	<2.5	<2.5	<2.5	<2.5	
5/23/2014					<2.5
11/8/2014					<2.5
11/12/2014	<2.5	<2.5	<2.5	<2.5	
5/22/2015					3.2 (O)
5/23/2015		<2.5			
5/24/2015	<2.5		<2.5	<2.5	
11/10/2015					<2.5
11/11/2015				<2.5	
11/12/2015	<2.5	<2.5	<2.5		
4/11/2016					<2.5
4/13/2016	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	
6/16/2016					<2.5
6/21/2016	<2.5	0.4 (J)	<2.5	<2.5	
8/11/2016					<2.5
8/15/2016	<2.5	0.42 (J)	<2.5	<2.5	
10/4/2016				<2.5	
10/5/2016	<2.5	0.49 (J)			<2.5
10/7/2016			<2.5		
11/29/2016					<2.5
12/1/2016	<2.5	<2.5	<2.5	<2.5	
2/7/2017				<2.5	
2/8/2017	<2.5	<2.5			<2.5
2/9/2017			<2.5		
4/5/2017		<2.5			

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<2.5		<2.5	<2.5	<2.5
6/20/2017	<2.5	0.4 (J)		<2.5	
6/21/2017					<2.5
6/22/2017			<2.5		
10/5/2017	<2.5	0.41 (J)		<2.5	<2.5
10/6/2017			<2.5		
3/20/2018				<2.5	<2.5
3/21/2018	<2.5	<2.5			
3/22/2018			<2.5		
10/2/2018	<2.5	<2.5		<2.5	<2.5
10/3/2018			<2.5		
3/26/2019		<2.5	<2.5	<2.5	<2.5
3/27/2019	<2.5				
9/11/2019	<2.5	0.42 (J)	<2.5	<2.5	0.23 (J)
3/18/2020	<2.5	0.13 (J)	<2.5	<2.5	0.18 (J)

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<2.5	<2.5	<2.5	<2.5	<2.5
6/16/2010	<2.5				
6/17/2010			<2.5	<2.5	<2.5
6/19/2010		<2.5			
7/27/2010	<2.5	<2.5	<2.5		
7/28/2010				3.4 (O)	<2.5
9/7/2010	<2.5		<2.5	<2.5	
9/8/2010					<2.5
9/9/2010		<2.5			
4/28/2011		<2.5			<2.5
4/29/2011	<2.5		<2.5	3.7 (O)	
10/28/2011	<2.5	<2.5	<2.5	<2.5	
10/29/2011					<2.5
5/2/2012	<2.5				
5/3/2012		<2.5	<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5		<2.5	
11/10/2012			<2.5		<2.5
5/9/2013	<2.5	<2.5	<2.5		
5/10/2013				<2.5	<2.5
11/5/2013		<2.5			
11/6/2013	<2.5		<2.5	<2.5	<2.5
5/22/2014	<2.5	<2.5	<2.5	<2.5	<2.5
11/8/2014	<2.5				
11/9/2014			<2.5	<2.5	<2.5
11/13/2014		<2.5			
5/22/2015				<2.5	<2.5
5/23/2015	<2.5				
5/24/2015		<2.5	<2.5		
11/10/2015	<2.5		<2.5	<2.5	
11/11/2015		<2.5			<2.5
4/11/2016	<2.5				
4/12/2016		<2.5	<2.5	<2.5 (D)	<2.5
6/16/2016	<2.5	<2.5	0.12 (J)		
6/20/2016				0.1 (J)	0.16 (J)
8/11/2016	<2.5	<2.5	<2.5		
8/12/2016				0.42 (J)	<2.5
10/4/2016		<2.5			
10/5/2016	<2.5		<2.5	<2.5	
10/6/2016					0.68 (J)
11/29/2016	<2.5				
11/30/2016		<2.5	<2.5	<2.5	<2.5
2/7/2017		<2.5			
2/8/2017	<2.5		<2.5	<2.5	<2.5
4/5/2017	<2.5				
4/6/2017		<2.5	0.5 (J)	<2.5	<2.5
6/20/2017		<2.5			
6/21/2017	<2.5		<2.5	0.42 (J)	
6/22/2017					<2.5
10/4/2017		<2.5			
10/5/2017	<2.5		<2.5	<2.5	
10/6/2017					<2.5
3/20/2018	<2.5	<2.5			

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<2.5	<2.5	<2.5
10/2/2018	<2.5	<2.5			
10/3/2018			<2.5	<2.5	<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	0.96 (J)
9/10/2019		0.15 (J)		0.28 (J)	<2.5
9/12/2019	0.21 (J)		0.21 (J)		
3/18/2020		<2.5		0.14 (J)	
3/19/2020	0.14 (J)		0.26 (J)		0.21 (J)

# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<2.5	<2.5	<2.5
5/11/2010	<2.5	<2.5			
6/16/2010					<2.5
6/18/2010	<2.5	<2.5	<2.5		
6/19/2010				<2.5	
7/27/2010	<2.5	<2.5			<2.5
7/28/2010			<2.5	<2.5	
9/8/2010				<2.5	<2.5
9/9/2010	<2.5	<2.5	<2.5		
4/29/2011	<2.5				<2.5
4/30/2011		<2.5	<2.5	6.3 (O)	
10/27/2011				<2.5	<2.5
10/28/2011	<2.5				
10/29/2011		<2.5	<2.5		
5/3/2012					<2.5
5/4/2012	<2.5	<2.5	<2.5	<2.5	
11/10/2012	<2.5	<2.5	<2.5		
11/11/2012				<2.5	<2.5
5/9/2013	<2.5	<2.5	<2.5		<2.5
5/10/2013				6.8 (O)	
11/6/2013	<2.5				<2.5
11/7/2013		<2.5	<2.5	<2.5	
5/21/2014		<2.5	<2.5	<2.5	<2.5
5/22/2014	<2.5				
11/9/2014	<2.5	<2.5			
11/12/2014			<2.5		<2.5
11/13/2014				4.6 (O)	
5/23/2015				<2.5	<2.5
5/24/2015	<2.5	<2.5	<2.5		
11/11/2015	<2.5	<2.5	<2.5	<2.5	
11/12/2015					<2.5
4/12/2016		<2.5			
4/13/2016			<2.5 (D)		<2.5 (D)
4/19/2016	<2.5			<2.5	
6/20/2016		0.03 (J)	0.086 (J)		
6/22/2016	<2.5				<2.5
8/12/2016		<2.5			
8/15/2016			<2.5		<2.5
8/16/2016	<2.5				
10/6/2016	<2.5	<2.5	<2.5		<2.5
10/10/2016				<2.5	
11/30/2016		<2.5			
12/1/2016	<2.5		<2.5	0.68 (J)	<2.5
2/8/2017					<2.5
2/9/2017	<2.5	<2.5	<2.5	0.9 (J)	
4/6/2017	<2.5	<2.5			<2.5
4/7/2017			<2.5	1.1 (J)	
6/21/2017	<2.5	<2.5		0.64 (J)	<2.5
6/22/2017			<2.5		
8/15/2017				1 (J)	
9/1/2017				0.89 (J)	
10/5/2017	<2.5				<2.5



# Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<2.5	<2.5		
10/9/2017				0.85 (J)	
3/21/2018		<2.5			<2.5
3/22/2018	<2.5		<2.5	<2.5	
10/2/2018					<2.5
10/3/2018	<2.5	<2.5			
10/4/2018			<2.5	0.48 (J)	
3/26/2019		<2.5			
3/27/2019	<2.5		<2.5	1.2 (J)	<2.5
9/11/2019	0.099 (J)	0.087 (J)	0.16 (J)	0.85 (J)	0.16 (J)
3/18/2020	<2.5	<2.5		2.7	<2.5
3/19/2020			0.13 (J)		

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:13 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)



# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:13 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)

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 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			<1		
5/9/2010	<1	2.1 (J)			
5/10/2010					<1
5/11/2010				<1	
6/16/2010		2.8 (J)	2.1 (J)		2 (J)
6/17/2010				2.6 (J)	
6/18/2010	<1				
7/26/2010			<1		
7/27/2010		<1		<1	
7/28/2010	<1				<1
9/7/2010		<1	<1		
9/8/2010					<1
9/9/2010	<1			<1	
4/28/2011				3.6 (J)	
4/29/2011		3.2 (J)	2.4 (J)		3 (J)
4/30/2011	<1				
10/27/2011					2.7 (J)
10/28/2011	<1	2.5 (J)	2 (J)		
10/29/2011				3.8 (J)	
5/2/2012	<1	<1	<1		
5/3/2012				<1	
5/4/2012					<1
11/9/2012	<1	2.4 (J)	<1	2.4 (J)	
11/11/2012					2.2 (J)
5/8/2013	<1	5.1	3.4 (J)		
5/9/2013				8.5	7
11/5/2013	<1			4.2 (J)	4.8 (J)
11/6/2013		3.3 (J)	2.8 (J)		
5/20/2014	<1	<1	<1		
5/21/2014					<1
5/23/2014				<1	
11/8/2014		<1	<1		
11/12/2014	<1				2 (J)
11/13/2014				<1	
5/22/2015	<1	3.6 (J)	3.2 (J)		
5/23/2015				4.4 (J)	3.5 (J)
11/9/2015		3.9 (J)	<1		
11/11/2015	<1			4.2 (J)	
11/12/2015					3.2 (J)
4/6/2016	<1	<1	<1		
4/12/2016				<1	
4/13/2016					<1 (D)
6/15/2016	<1	<1	<1		
6/16/2016				<1	
6/21/2016					<1
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	

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 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					<1
2/7/2017	<1	<1	<1	<1	
2/8/2017					<1
4/4/2017	<1	<1	<1		
4/5/2017				<1	
4/6/2017					<1
6/20/2017	<1	<1	<1	<1	
6/21/2017					<1
10/4/2017	<1			0.67 (J)	
10/5/2017		<1	<1		<1
3/20/2018	<1 (D)	<1	<1	<1	
3/21/2018					<1
10/2/2018	<1	<1	<1	<1	<1
3/26/2019	<1	<1	<1	<1	
3/27/2019					<1
9/10/2019	<1	0.16 (J)	0.22 (J)	<1	
9/11/2019					<1
3/18/2020	<1	<1	<1	0.23 (J)	<1

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<1	<1	<1	
5/10/2010	<1				<1
6/16/2010	<1				2.3 (J)
6/18/2010		<1	2.1	<1	
7/26/2010					<1
7/27/2010	<1	<1			
7/28/2010				<1	
7/29/2010			<1		
9/7/2010					<1
9/8/2010	<1	<1			
9/9/2010			<1	<1	
4/26/2011			<1		
4/29/2011	3.2 (J)	<1			3.3 (J)
4/30/2011				<1	
10/27/2011	2.7 (J)				
10/28/2011		<1	<1	<1	2.3 (J)
5/2/2012					<1
5/3/2012		<1		<1	
5/4/2012	<1		<1		
11/9/2012					<1
11/10/2012	2.5 (J)	<1		<1	
11/11/2012			<1		
5/8/2013			3.6	2.4	5.2
5/9/2013	5.1	<1			
11/5/2013				2.8	
11/6/2013	3.7 (J)	<1			3 (J)
11/7/2013			<1		
5/20/2014	<1	<1	<1	<1	
5/23/2014					<1
11/8/2014					<1
11/12/2014	<1	<1	<1	<1	
5/22/2015					2.3 (J)
5/23/2015		<1			
5/24/2015	3.7 (J)		<1	<1	
11/10/2015					2.5 (J)
11/11/2015				<1	
11/12/2015	3.8 (J)	<1	<1		
4/11/2016					<1
4/13/2016	<1 (D)	<1 (D)	<1 (D)	<1 (D)	
6/16/2016					<1
6/21/2016	<1	<1	<1	<1	
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			

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
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			0.61 (J)		
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		<1	<1	<1	<1
3/27/2019	<1				
9/11/2019	<1	<1	<1	<1	<1
3/18/2020	1.7	<1	<1	<1	<1

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<1	<1	2.6 (J)	11	<1
6/16/2010	2.2 (J)				
6/17/2010			2.1 (J)	2.7 (J)	<1
6/19/2010		3 (J)			
7/27/2010	<1	<1	<1		
7/28/2010				<1	<1
9/7/2010	<1		<1	<1	
9/8/2010					2 (J)
9/9/2010		<1			
4/28/2011		3.7 (J)			4.2 (J)
4/29/2011	2.9 (J)		3.2 (J)	3.8 (J)	
10/28/2011	2.1 (J)	3 (J)	2.5 (J)	<1	
10/29/2011					3.6 (J)
5/2/2012	<1				
5/3/2012		<1	<1	<1	<1
11/9/2012	2 (J)	3 (J)		2.9 (J)	
11/10/2012			<1		2.3 (J)
5/9/2013	5.6	6.3	5.6		
5/10/2013				6.1	6.2
11/5/2013		4.3 (J)			
11/6/2013	3.5 (J)		3.2 (J)	2.5 (J)	4.3 (J)
5/22/2014	<1	<1	<1	<1	<1
11/8/2014	<1				
11/9/2014			<1	<1	<1
11/13/2014		2.1 (J)			
5/22/2015				3.4 (J)	4.6 (J)
5/23/2015	4.7 (J)				
5/24/2015		4.3 (J)	4.4 (J)		
11/10/2015	4.4 (J)		3.8 (J)	2.1 (J)	
11/11/2015		3.2 (J)			2.8 (J)
4/11/2016	<1				
4/12/2016		<1	<1	<1 (D)	<1
6/16/2016	<1	<1	<1		
6/20/2016				<1	<1
8/11/2016	<1	<1	<1		
8/12/2016				<1	<1
10/4/2016		<1			
10/5/2016	<1		<1	<1	
10/6/2016					<1
11/29/2016	<1				
11/30/2016		<1	<1	<1	<1
2/7/2017		<1			
2/8/2017	<1		<1	<1	<1
4/5/2017	0.9 (J)				
4/6/2017		<1	<1	<1	<1
6/20/2017		<1			
6/21/2017	<1		<1	<1	
6/22/2017					<1
10/4/2017		<1			
10/5/2017	1.5		<1	<1	
10/6/2017					<1
3/20/2018	<1	<1			



# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<1	<1	<1
10/2/2018	<1	<1			
10/3/2018			<1	0.37 (J)	<1
3/26/2019	<1	<1	<1	<1	<1
9/10/2019		<1		<1	<1
9/12/2019	<1		<1		
3/18/2020		0.14 (J)		<1	
3/19/2020	<1		<1		0.19 (J)

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<1	<1	<1
5/11/2010	<1	<1			
6/16/2010					3 (J)
6/18/2010	2.4	<1	2.7 (J)		
6/19/2010				<1	
7/27/2010	<1	<1			<1
7/28/2010			<1	<1	
9/8/2010				2.3 (J)	<1
9/9/2010	<1	<1	2 (J)		
4/29/2011	2.8				3.9 (J)
4/30/2011		3.4 (J)	3.7 (J)	11 (O)	
10/27/2011				5.5	4.3 (J)
10/28/2011	<1				
10/29/2011		4.1 (J)	2.5 (J)		
5/3/2012					<1
5/4/2012	<1	<1	<1	2.9 (J)	
11/10/2012	<1	2.3 (J)	3 (J)		
11/11/2012				5.2	2.5 (J)
5/9/2013	6.1	6.7	6.4		6.7
5/10/2013				23 (O)	
11/6/2013	3.4				6.9
11/7/2013		4.8 (J)	3.7 (J)	8.3	
5/21/2014		<1	<1	<1	<1
5/22/2014	<1				
11/9/2014	<1	<1			
11/12/2014			<1		2 (J)
11/13/2014				8.5	
5/23/2015				7.7	3 (J)
5/24/2015	9.3 (O)	4.5 (J)	5.3 (J)		
11/11/2015	7.1	4.8 (J)	2.2 (J)	8	
11/12/2015					4.4 (J)
4/12/2016		<1			
4/13/2016			<1 (D)		<1 (D)
4/19/2016	<1			<1	
6/20/2016		<1	<1		
6/22/2016	<1				<1
8/12/2016		<1			
8/15/2016			<1		<1
8/16/2016	<1				
10/6/2016	<1	<1	<1		<1
10/10/2016				<1	
11/30/2016		<1			
12/1/2016	<1		<1	0.47 (J)	<1
2/8/2017					<1
2/9/2017	<1	<1	<1	1.2 (J)	
4/6/2017	<1	<1			<1
4/7/2017			<1	<1	
6/21/2017	<1	<1		<1	<1
6/22/2017			<1		
8/15/2017				<1	
9/1/2017				<1	
10/5/2017	<1				<1

# Time Series

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<1	<1		
10/9/2017				<1	
3/21/2018		<1			<1
3/22/2018	<1		<1	<1	
10/2/2018					<1
10/3/2018	<1	<1			
10/4/2018			<1	<1	
3/26/2019		<1			
3/27/2019	<1		<1	<1	<1
9/11/2019	<1	<1	<1	<1	<1
3/18/2020	<1	<1		<1	<1
3/19/2020			<1		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0002	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 6/19/2020 9:13 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

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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)		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:13 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)



# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 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			<5		
5/9/2010	<5	<5			
5/10/2010					<5
5/11/2010				<5	
6/16/2010		<5	<5		<5
6/17/2010				<5	
6/18/2010	<5				
7/26/2010			<5		
7/27/2010		<5		<5	
7/28/2010	<5				<5
9/7/2010		<5	<5		
9/8/2010					<5
9/9/2010	<5			<5	
4/28/2011				<5	
4/29/2011		<5	<5		<5
4/30/2011	<5				
10/27/2011					<5
10/28/2011	<5	<5	<5		
10/29/2011				<5	
5/2/2012	<5	<5	<5		
5/3/2012				<5	
5/4/2012					<5
11/9/2012	<5	<5	<5	<5	
11/11/2012					<5
5/8/2013	<5	<5	4.4		
5/9/2013				<5	<5
11/5/2013	<5			<5	<5
11/6/2013		<5	<5		
5/20/2014	<5	<5	<5		
5/21/2014					<5
5/23/2014				<5	
11/8/2014		<5	<5		
11/12/2014	<5				<5
11/13/2014				<5	
5/22/2015	<5	<5	<5		
5/23/2015				5.3	4.3
11/9/2015		4.3	<5		
11/11/2015	<5			<5	
11/12/2015					4.6
4/6/2016	<5	<5	<5		
4/12/2016				<5	
4/13/2016					<5 (D)
6/15/2016	<5	<5	<5		
6/16/2016				<5	
6/21/2016					<5
8/10/2016	<5	<5	<5		
8/11/2016				<5	
8/15/2016					<5
10/4/2016	<5	<5		0.37 (J)	
10/5/2016			<5		<5
11/29/2016		0.24 (J)	<5		
11/30/2016	<5			<5	

# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 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					<5
2/7/2017	<5	<5	<5	<5	
2/8/2017					<5
4/4/2017	0.67 (J)	1.7	<5		
4/5/2017				<5	
4/6/2017					<5
6/20/2017	<5	<5	<5	<5	
6/21/2017					<5
10/4/2017	<5			<5	
10/5/2017		<5	0.27 (J)		<5
3/20/2018	<5 (D)	<5	<5	<5 (X)	
3/21/2018					<5
10/2/2018	<5	<5	<5	<5	<5
3/26/2019	<5	<5	<5	<5	
3/27/2019					<5
9/10/2019	<5	<5	<5	<5	
9/11/2019					<5
3/18/2020	<5	<5	<5	<5	<5

# Time Series

Constituent: Selenium, Total (ug/L)    Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<5	<5	<5	
5/10/2010	<5				<5
6/16/2010	<5				<5
6/18/2010		<5	<5	<5	
7/26/2010					<5
7/27/2010	<5	<5			
7/28/2010				<5	
7/29/2010			<5		
9/7/2010					<5
9/8/2010	<5	<5			
9/9/2010			<5	<5	
4/26/2011			<5		
4/29/2011	<5	<5			<5
4/30/2011				<5	
10/27/2011	<5				
10/28/2011		4	<5	<5	<5
5/2/2012					<5
5/3/2012		<5		<5	
5/4/2012	<5		<5		
11/9/2012					<5
11/10/2012	<5	<5		<5	
11/11/2012			<5		
5/8/2013			<5	<5	<5
5/9/2013	<5	<5			
11/5/2013				<5	
11/6/2013	<5	<5			<5
11/7/2013			<5		
5/20/2014	<5	<5	<5	<5	
5/23/2014					<5
11/8/2014					<5
11/12/2014	<5	<5	<5	<5	
5/22/2015					<5
5/23/2015		<5			
5/24/2015	5		<5	<5	
11/10/2015					4.1
11/11/2015				5.2	
11/12/2015	4.2	<5	<5		
4/11/2016					<5
4/13/2016	<5 (D)	<5 (D)	<5 (D)	<5 (D)	
6/16/2016					<5
6/21/2016	<5	<5	<5	<5	
8/11/2016					<5
8/15/2016	<5	<5	<5	<5	
10/4/2016				<5	
10/5/2016	<5	<5			<5
10/7/2016			<5		
11/29/2016					<5
12/1/2016	<5	<5	<5	0.25 (J)	
2/7/2017				<5	
2/8/2017	<5	<5			<5
2/9/2017			<5		
4/5/2017		<5			



# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.31 (J)		<5	<5	<5
6/20/2017	<5	<5		<5	
6/21/2017					<5
6/22/2017			<5		
10/5/2017	<5	<5		<5	<5
10/6/2017			<5		
3/20/2018				<5	<5
3/21/2018	<5	<5 (D)			
3/22/2018			<5		
10/2/2018	<5	<5		<5	<5
10/3/2018			<5		
3/26/2019		<5	<5	<5	<5
3/27/2019	<5				
9/11/2019		<5	<5	<5	<5
3/18/2020	<5	<5	<5	<5	<5

# Time Series

Constituent: Selenium, Total (ug/L)    Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<5	<5	<5	<5	<5
6/16/2010	<5				
6/17/2010			<5	<5	<5
6/19/2010		<5			
7/27/2010	<5	<5	<5		
7/28/2010				<5	<5
9/7/2010	<5		<5	<5	
9/8/2010					<5
9/9/2010		<5			
4/28/2011		<5			<5
4/29/2011	<5		<5	<5	
10/28/2011	<5	<5	<5	<5	
10/29/2011					<5
5/2/2012	<5				
5/3/2012		<5	<5	<5	<5
11/9/2012	<5	<5		<5	
11/10/2012			<5		<5
5/9/2013	<5	<5	<5		
5/10/2013				<5	<5
11/5/2013		<5			
11/6/2013	<5		<5	<5	<5
5/22/2014	<5	<5	<5	<5	<5
11/8/2014	<5				
11/9/2014			<5	<5	<5
11/13/2014		<5			
5/22/2015				<5	<5
5/23/2015	<5				
5/24/2015		4.4	<5		
11/10/2015	4.4		<5	<5	
11/11/2015		4.5			<5
4/11/2016	<5				
4/12/2016		<5	<5	<5 (D)	<5
6/16/2016	<5	<5	<5		
6/20/2016				<5	<5
8/11/2016	<5	<5	<5		
8/12/2016				0.36 (J)	<5
10/4/2016		<5			
10/5/2016	<5		<5	<5	
10/6/2016					<5
11/29/2016	<5				
11/30/2016		<5	<5	<5	<5
2/7/2017		<5			
2/8/2017	<5		<5	<5	<5
4/5/2017	<5				
4/6/2017		2.3	<5	<5	<5
6/20/2017		<5			
6/21/2017	<5		<5	<5	
6/22/2017					<5
10/4/2017		<5			
10/5/2017	<5		<5	<5	
10/6/2017					<5
3/20/2018	<5	<5 (X)			

# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<5	<5	<5 (X)
10/2/2018	<5	<5			
10/3/2018			<5	<5	<5
3/26/2019	<5	<5	<5	<5	<5
9/10/2019		<5		<5	<5
9/12/2019	<5		<5		
3/18/2020		<5		<5	
3/19/2020	<5		<5		<5

# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<5	<5	<5
5/11/2010	<5	<5			
6/16/2010					<5
6/18/2010	<5	<5	<5		
6/19/2010				<5	
7/27/2010	<5	<5			<5
7/28/2010			<5	<5	
9/8/2010				<5	<5
9/9/2010	<5	<5	<5		
4/29/2011	<5				<5
4/30/2011		<5	<5	<5	
10/27/2011				<5	<5
10/28/2011	<5				
10/29/2011		<5	<5		
5/3/2012					<5
5/4/2012	<5	<5	<5	<5	
11/10/2012	<5	<5	<5		
11/11/2012				<5	<5
5/9/2013	<5	<5	<5		<5
5/10/2013				<5	
11/6/2013	<5				<5
11/7/2013		<5	<5	<5	
5/21/2014		<5	<5	<5	<5
5/22/2014	<5				
11/9/2014	<5	<5			
11/12/2014			<5		<5
11/13/2014				<5	
5/23/2015				4.5	<5
5/24/2015	13 (J)	<5	5.3		
11/11/2015	37	7	4.9	4.3	
11/12/2015					6.5
4/12/2016		<5			
4/13/2016			<5 (D)		<5 (D)
4/19/2016	58.7			<5	
6/20/2016		0.32 (J)	<5		
6/22/2016	43.5				<5
8/12/2016		0.35 (J)			
8/15/2016			<5		<5
8/16/2016	29				
10/6/2016	27	0.29 (J)	<5		<5
10/10/2016				<5	
11/30/2016		0.26 (J)			
12/1/2016	29		<5	<5	<5
2/8/2017					<5
2/9/2017	31	<5	<5	<5	
4/6/2017	43	<5			<5
4/7/2017			<5	<5	
6/21/2017	52	0.31 (J)		<5	<5
6/22/2017			<5		
8/15/2017				<5	
9/1/2017				0.44 (J)	
10/5/2017	38				<5

# Time Series

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<5	<5		
10/9/2017				<5	
3/21/2018		<5 (X)			<5 (X)
3/22/2018	38		<5	0.32 (J)	
10/2/2018					<5
10/3/2018	21	0.56 (J)			
10/4/2018			<5	<5	
3/26/2019		<5			
3/27/2019	23		<5	<5	<5
9/11/2019	7.9	<5	<5	<5	<5
3/18/2020	14	<5		<5	<5
3/19/2020			<5		

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:13 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	<1	0.62 (J)

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:13 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			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)		

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 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			<1		
5/9/2010	<1	<1			
5/10/2010					<1
5/11/2010				<1	
6/16/2010		<1	<1		<1
6/17/2010				<1	
6/18/2010	<1				
7/26/2010			<1		
7/27/2010		<1		<1	
7/28/2010	<1				<1
9/7/2010		<1	<1		
9/8/2010					<1
9/9/2010	<1			<1	
4/28/2011				<1	
4/29/2011		<1	<1		<1
4/30/2011	<1				
10/27/2011					<1
10/28/2011	<1	<1	<1		
10/29/2011				<1	
5/2/2012	<1	<1	<1		
5/3/2012				<1	
5/4/2012					<1
11/9/2012	<1	<1	<1	<1	
11/11/2012					<1
5/8/2013	<1	0.3	<1		
5/9/2013				<1	<1
11/5/2013	<1			<1	<1
11/6/2013		<1	<1		
5/20/2014	<1	<1	<1		
5/21/2014					<1
5/23/2014				<1	
11/8/2014		<1	<1		
11/12/2014	<1				<1
11/13/2014				<1	
5/22/2015	<1	<1	<1		
5/23/2015				<1	<1
11/9/2015		<1	<1		
11/11/2015	<1			<1	
11/12/2015					<1
4/6/2016	<1	<1	<1		
4/12/2016				<1	
4/13/2016					<1 (D)
6/15/2016	<1	<1	<1		
6/16/2016				<1	
6/21/2016					<1
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	



# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 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					<1
2/7/2017	<1	<1	<1	<1	
2/8/2017					<1
4/4/2017	<1	<1	<1		
4/5/2017				<1	
4/6/2017					<1
6/20/2017	<1	<1	<1	<1	
6/21/2017					<1
10/4/2017	<1			<1	
10/5/2017		<1	<1		<1
3/20/2018	<1 (D)	<1	<1	<1	
3/21/2018					<1
10/2/2018	<1	<1	<1	<1	<1
3/26/2019	<1	<1	<1	<1	
3/27/2019					<1
9/10/2019	<1	0.21 (J)	0.23 (J)	<1	
9/11/2019					<1
3/18/2020	<1	<1	<1	0.49 (J)	<1

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<1	<1	<1	
5/10/2010	<1				<1
6/16/2010	<1				<1
6/18/2010		<1	<1	<1	
7/26/2010					<1
7/27/2010	<1	<1			
7/28/2010				<1	
7/29/2010			<1		
9/7/2010					<1
9/8/2010	<1	<1			
9/9/2010			<1	<1	
4/26/2011			<1		
4/29/2011	<1	<1			<1
4/30/2011				<1	
10/27/2011	<1				
10/28/2011		<1	<1	<1	<1
5/2/2012					<1
5/3/2012		<1		<1	
5/4/2012	<1		<1		
11/9/2012					<1
11/10/2012	<1	<1		<1	
11/11/2012			<1		
5/8/2013			<1	<1	<1
5/9/2013	<1	<1			
11/5/2013				<1	
11/6/2013	<1	<1			<1
11/7/2013			<1		
5/20/2014	<1	<1	<1	<1	
5/23/2014					<1
11/8/2014					<1
11/12/2014	<1	<1	<1	<1	
5/22/2015					<1
5/23/2015		<1			
5/24/2015	<1		<1	<1	
11/10/2015					<1
11/11/2015				<1	
11/12/2015	<1	<1	<1		
4/11/2016					<1
4/13/2016	<1 (D)	<1 (D)	<1 (D)	<1 (D)	
6/16/2016					<1
6/21/2016	<1	<1	<1	<1	
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			

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
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		<1	<1	<1	<1
3/27/2019	<1				
9/11/2019	<1	<1	<1	<1	<1
3/18/2020	<1	<1	<1	<1	<1

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<1	<1	<1	<1	<1
6/16/2010	<1				
6/17/2010			<1	<1	<1
6/19/2010		<1			
7/27/2010	<1	<1	<1		
7/28/2010				<1	<1
9/7/2010	<1		<1	<1	
9/8/2010					<1
9/9/2010		<1			
4/28/2011		<1			<1
4/29/2011	<1		<1	<1	
10/28/2011	<1	<1	<1	<1	
10/29/2011					<1
5/2/2012	<1				
5/3/2012		<1	<1	<1	<1
11/9/2012	<1	<1		<1	
11/10/2012			<1		<1
5/9/2013	<1	<1	<1		
5/10/2013				<1	<1
11/5/2013		<1			
11/6/2013	<1		<1	<1	<1
5/22/2014	<1	<1	<1	<1	<1
11/8/2014	<1				
11/9/2014			<1	<1	<1
11/13/2014		<1			
5/22/2015				<1	<1
5/23/2015	<1				
5/24/2015		<1	<1		
11/10/2015	<1		<1	<1	
11/11/2015		<1			<1
4/11/2016	<1				
4/12/2016		<1	<1	<1 (D)	<1
6/16/2016	<1	<1	<1		
6/20/2016				<1	<1
8/11/2016	<1	<1	<1		
8/12/2016				<1	<1
10/4/2016		<1			
10/5/2016	<1		<1	<1	
10/6/2016					<1
11/29/2016	<1				
11/30/2016		<1	<1	<1	<1
2/7/2017		<1			
2/8/2017	<1		<1	<1	<1
4/5/2017	<1				
4/6/2017		<1	<1	<1	<1
6/20/2017		<1			
6/21/2017	<1		<1	<1	
6/22/2017					<1
10/4/2017		<1			
10/5/2017	<1		<1	<1	
10/6/2017					<1
3/20/2018	<1	<1			

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<1	<1	<1
10/2/2018	<1	<1			
10/3/2018			<1	<1	<1
3/26/2019	<1	<1	<1	<1	<1
9/10/2019		<1		<1	<1
9/12/2019	<1		<1		
3/18/2020		0.25 (J)		<1	
3/19/2020	<1		<1		0.36 (J)

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<1	<1	<1
5/11/2010	<1	<1			
6/16/2010					<1
6/18/2010	<1	<1	<1		
6/19/2010				<1	
7/27/2010	<1	<1			<1
7/28/2010			<1	<1	
9/8/2010				<1	<1
9/9/2010	<1	<1	<1		
4/29/2011	<1				<1
4/30/2011		<1	<1	<1	
10/27/2011				<1	<1
10/28/2011	<1				
10/29/2011		<1	0.27		
5/3/2012					<1
5/4/2012	<1	<1	<1	<1	
11/10/2012	<1	<1	<1		
11/11/2012				<1	<1
5/9/2013	<1	<1	<1		<1
5/10/2013				<1	
11/6/2013	<1				<1
11/7/2013		<1	0.26	<1	
5/21/2014		<1	<1	<1	<1
5/22/2014	<1				
11/9/2014	<1	<1			
11/12/2014			<1		<1
11/13/2014				<1	
5/23/2015				<1	<1
5/24/2015	<1	<1	<1		
11/11/2015	<1	<1	<1	<1	
11/12/2015					<1
4/12/2016		<1			
4/13/2016			<1 (D)		<1 (D)
4/19/2016	<1			<1	
6/20/2016		<1	<1		
6/22/2016	<1				<1
8/12/2016		<1			
8/15/2016			<1		<1
8/16/2016	<1				
10/6/2016	<1	<1	<1		<1
10/10/2016				<1	
11/30/2016		<1			
12/1/2016	<1		<1	<1	<1
2/8/2017					<1
2/9/2017	<1	<1	<1	<1	
4/6/2017	<1	<1			<1
4/7/2017			<1	<1	
6/21/2017	<1	<1		<1	<1
6/22/2017			<1		
8/15/2017				<1	
9/1/2017				<1	
10/5/2017	<1				<1

# Time Series

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:13 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<1	<1		
10/9/2017				<1	
3/21/2018		<1			<1
3/22/2018	<1		<1	<1	
10/2/2018					<1
10/3/2018	<1	<1			
10/4/2018			<1	<1	
3/26/2019		<1			
3/27/2019	<1		<1	<1	<1
9/11/2019	<1	<1	<1	<1	<1
3/18/2020	<1	<1		<1	<1
3/19/2020			<1		

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:13 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	<5	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



# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:13 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)	<5 (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	<5	42	46	
10/4/2016				60	
10/5/2016	70	<5			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	<5		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

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:13 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



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:13 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		

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Zinc (mg/L)    Analysis Run 6/19/2020 9:13 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 6/19/2020 9:13 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

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:13 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

# Time Series

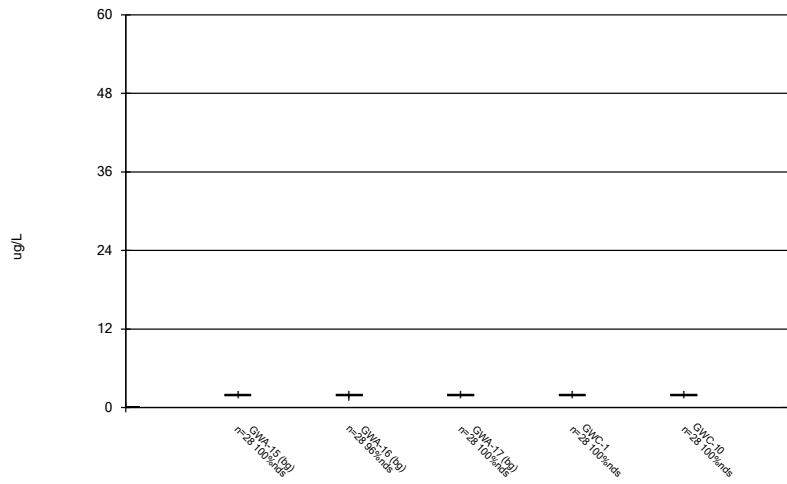
Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	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		

FIGURE B.

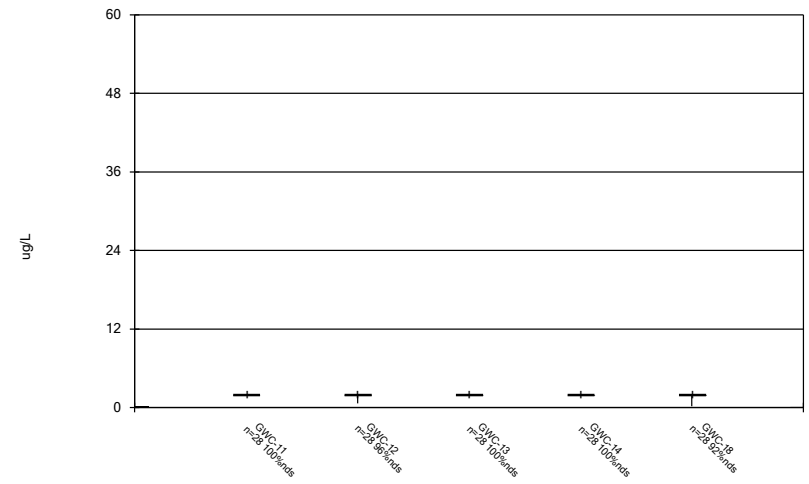


### Box & Whiskers Plot



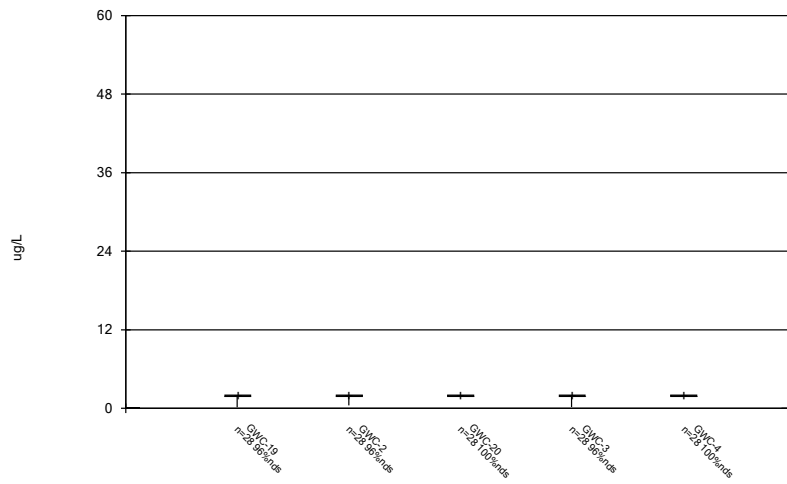
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



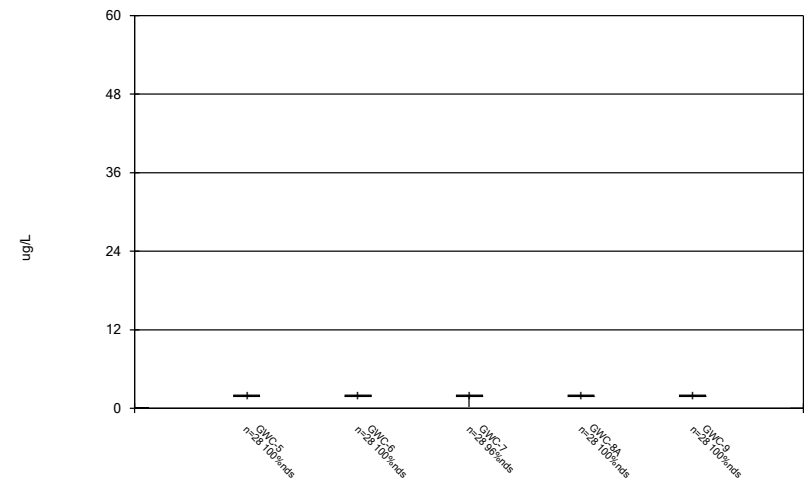
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



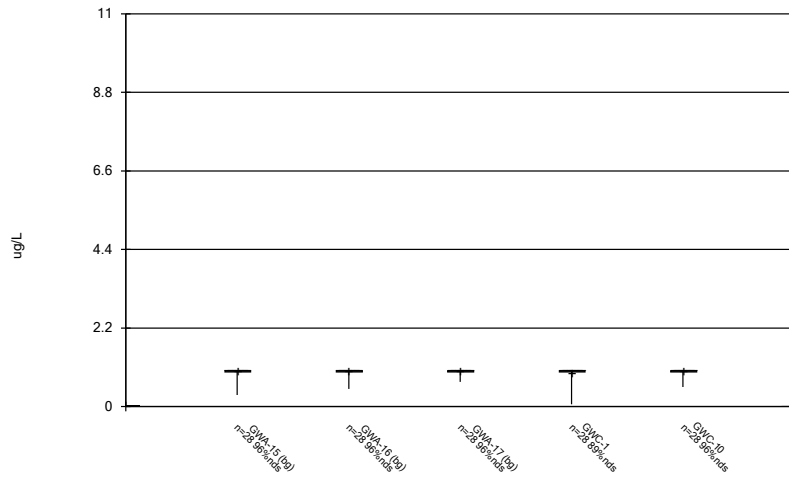
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



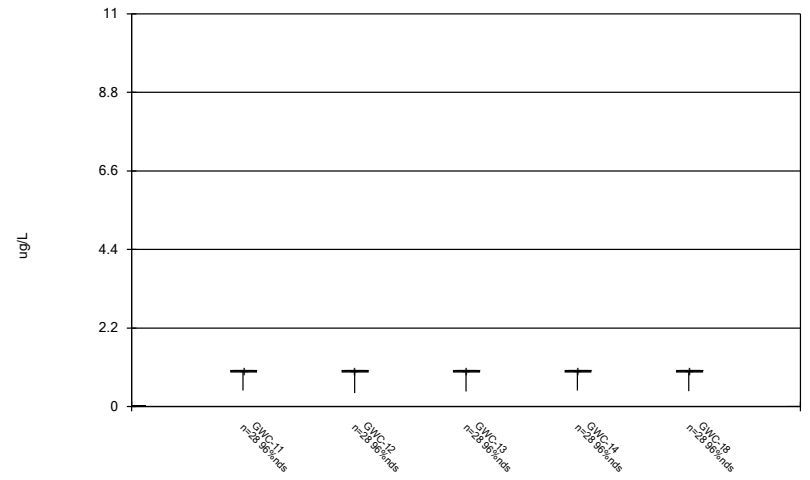
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



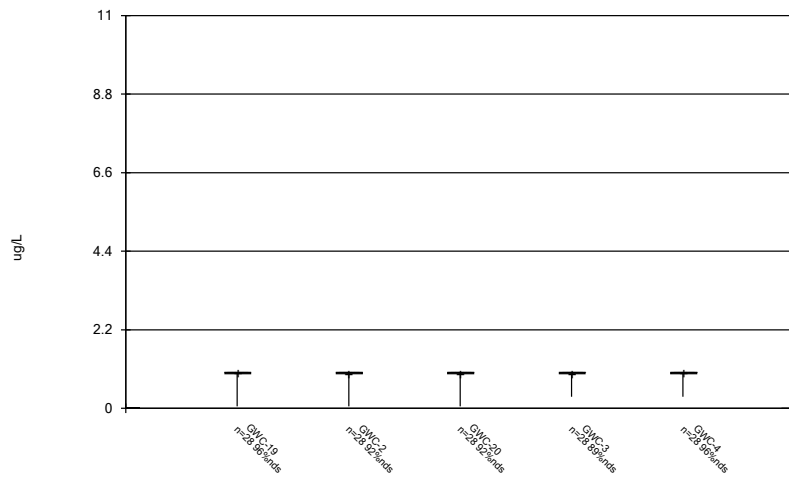
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



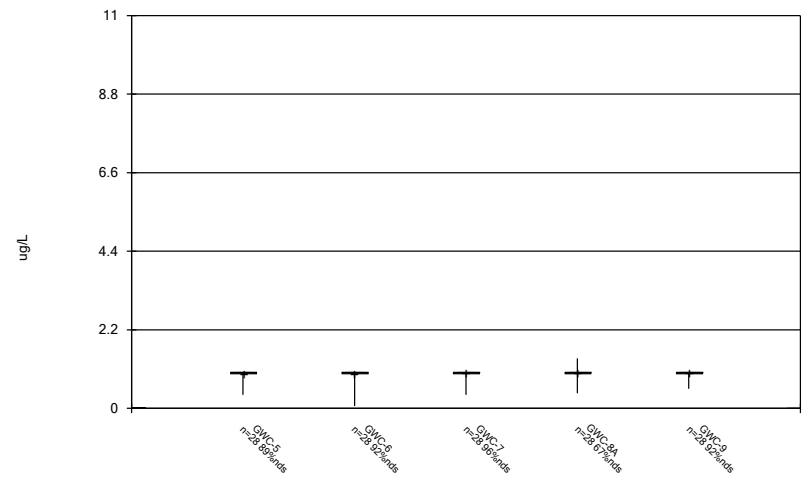
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



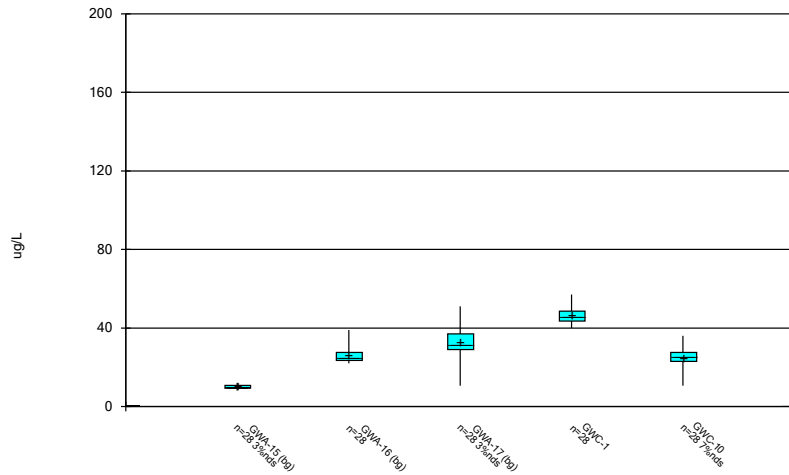
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



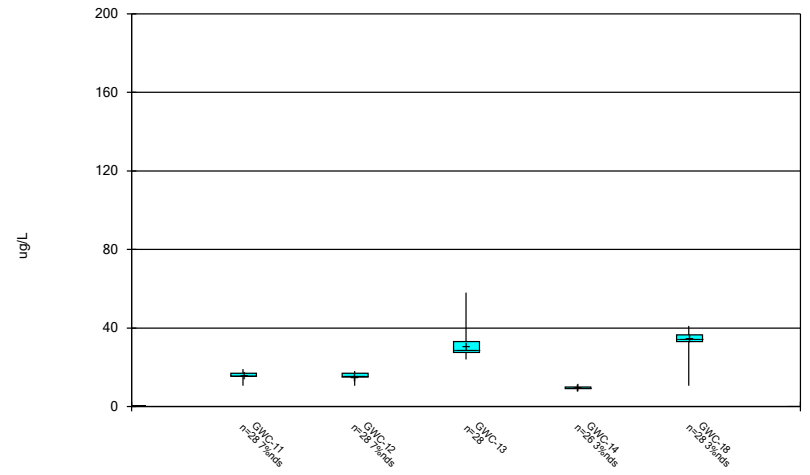
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



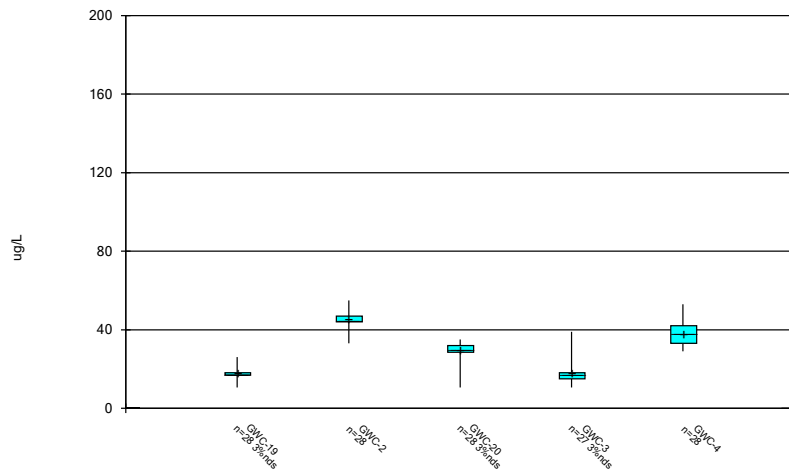
Constituent: Barium, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



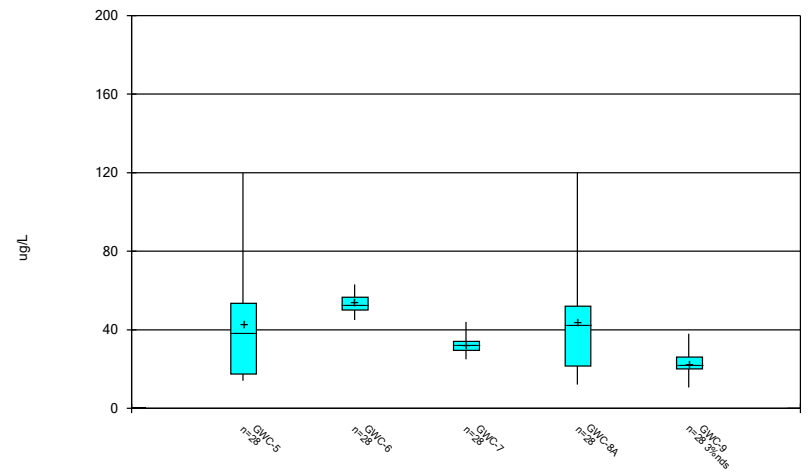
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



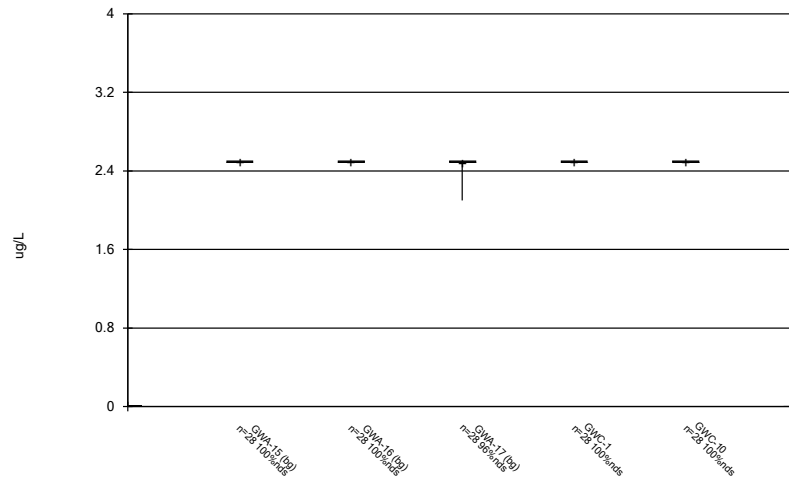
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



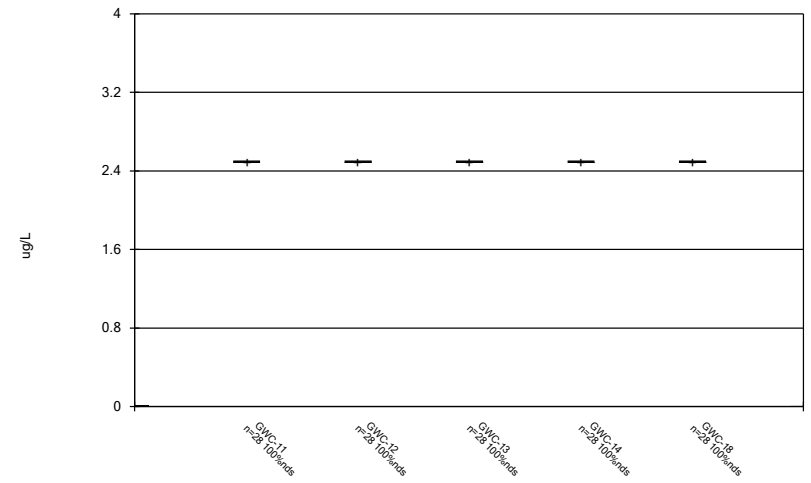
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



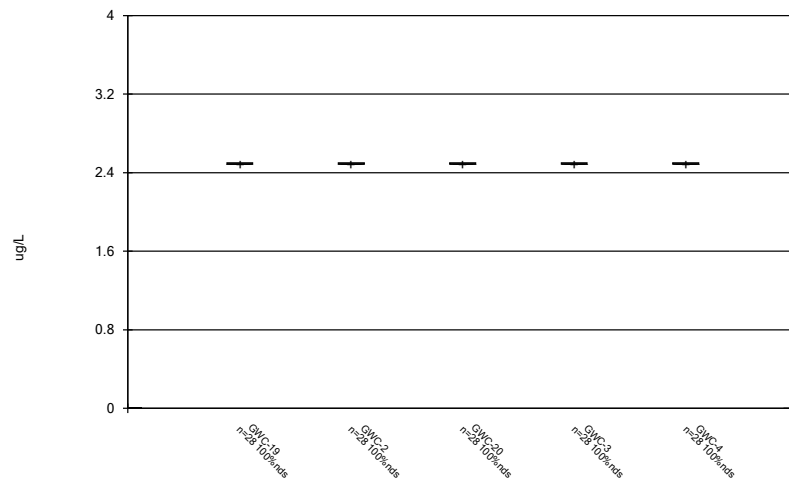
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



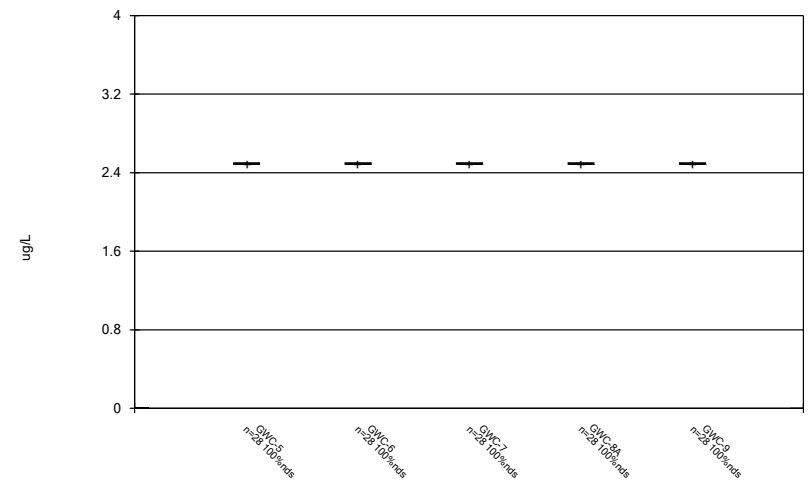
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



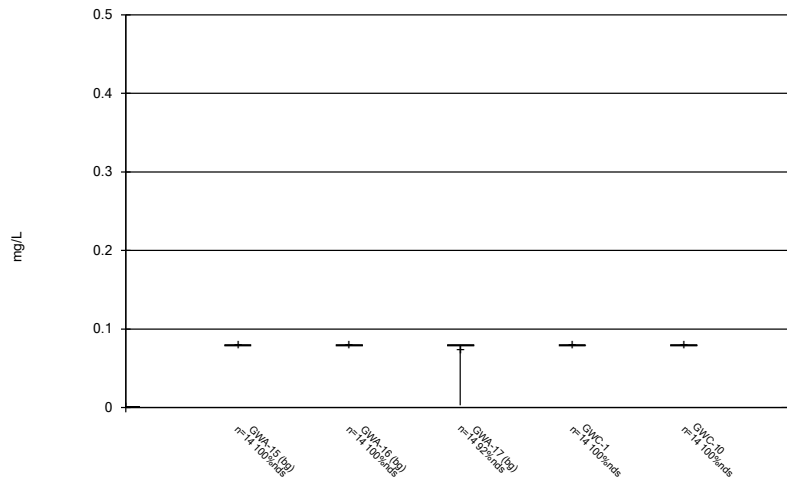
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



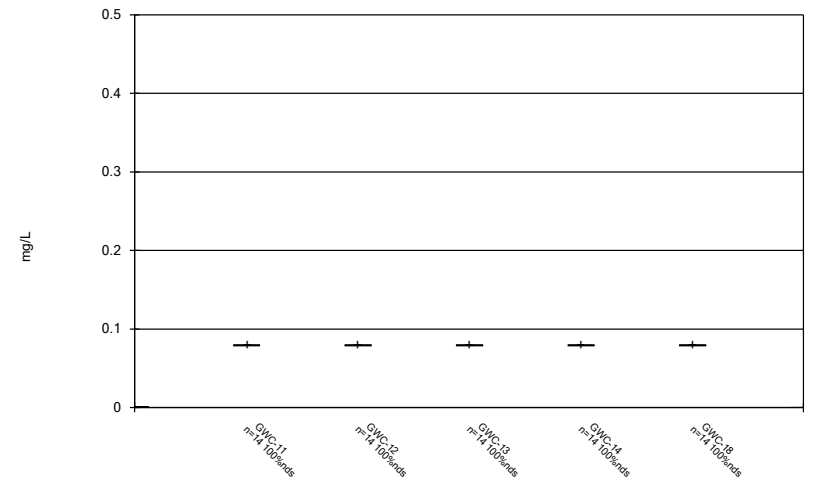
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



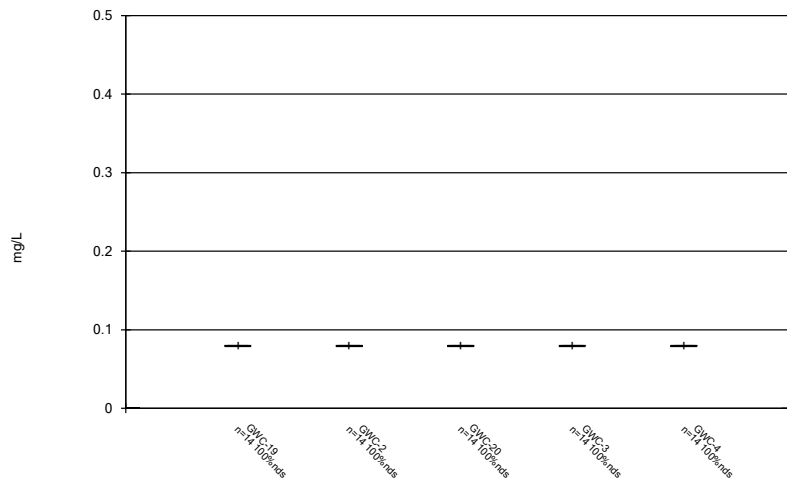
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



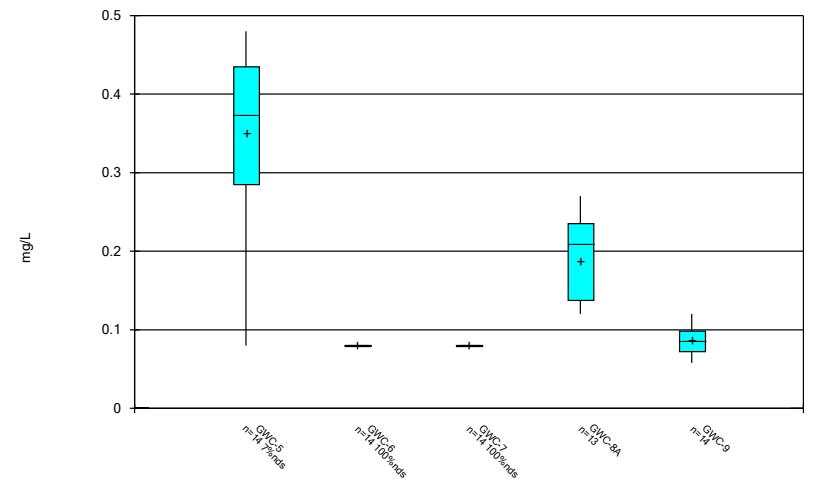
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



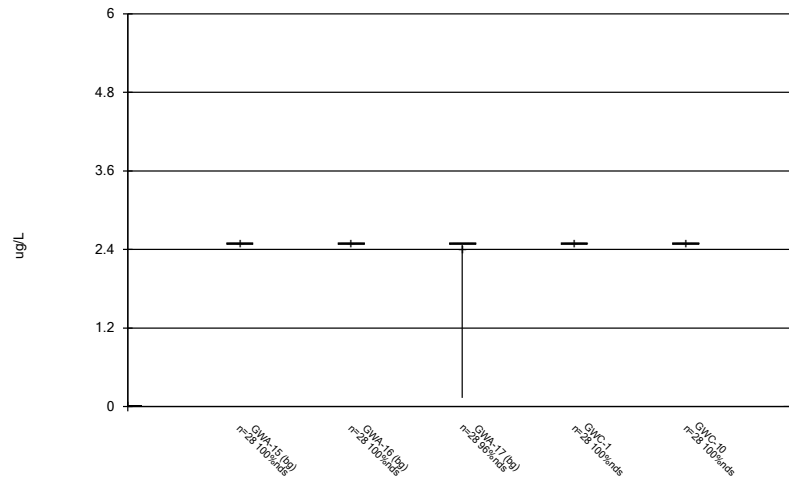
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



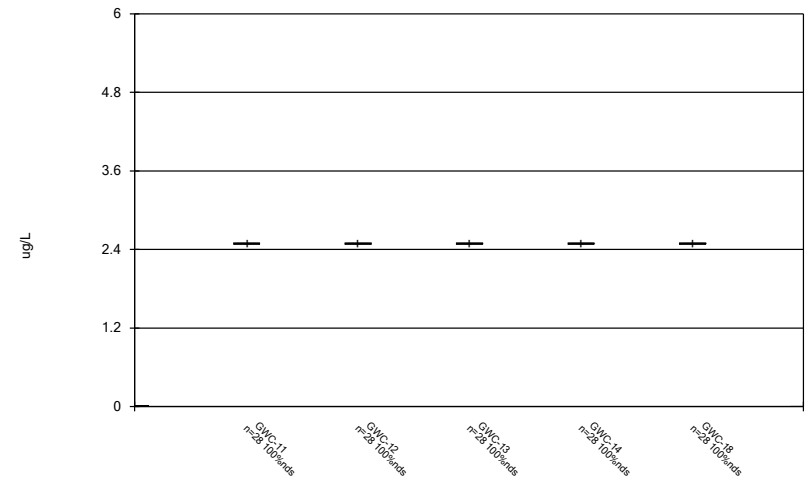
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



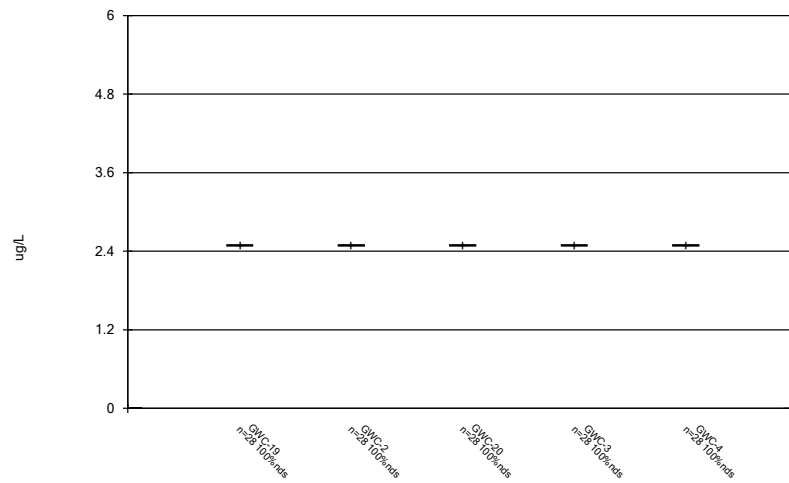
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



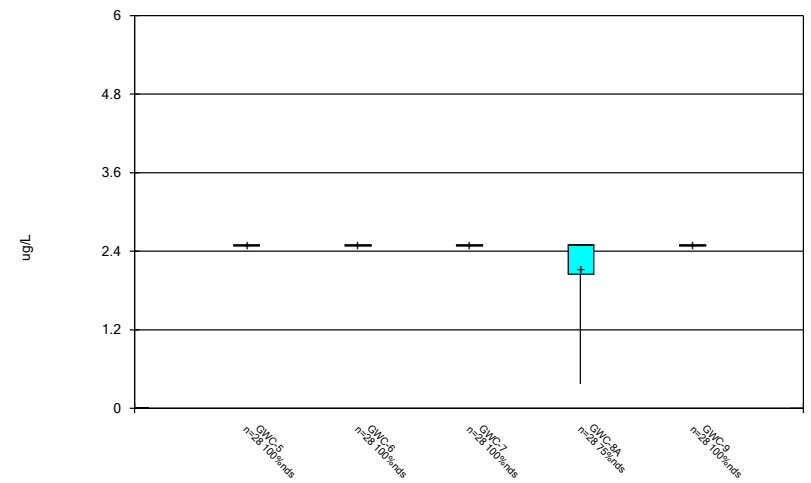
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



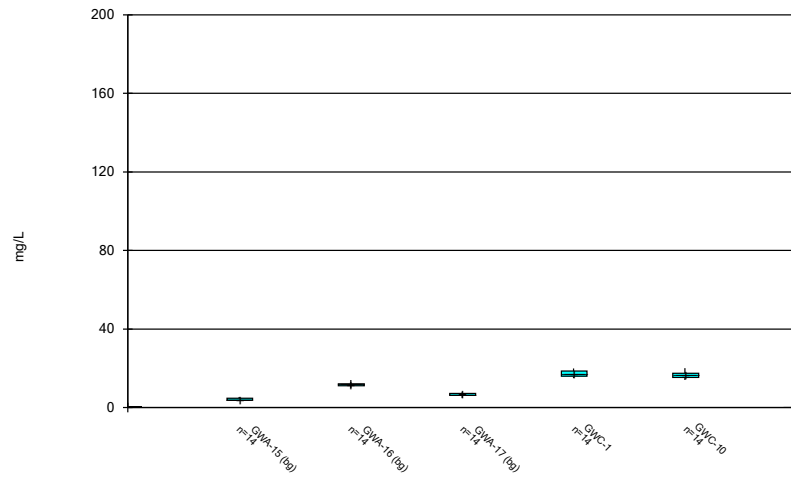
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



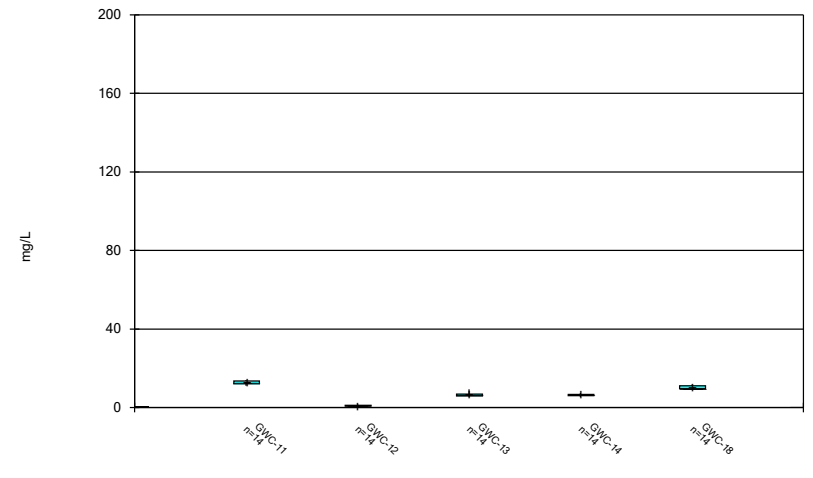
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



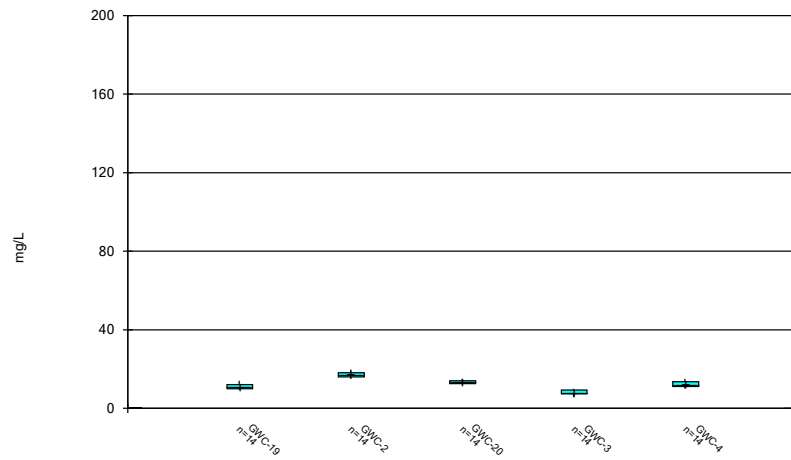
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



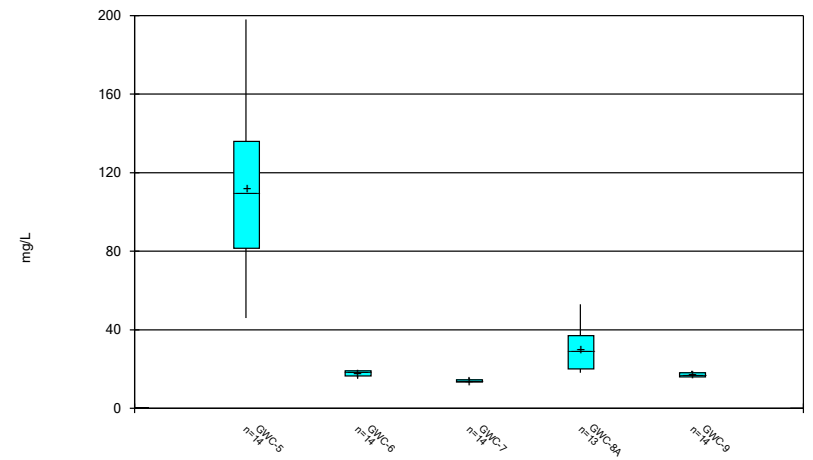
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



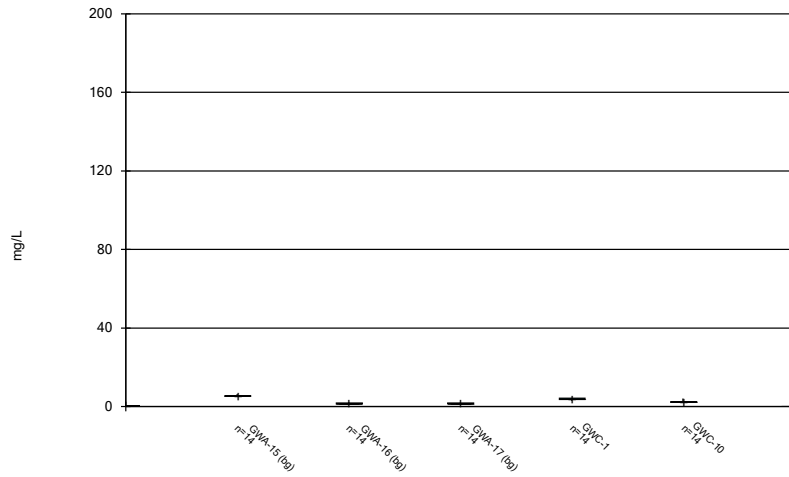
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



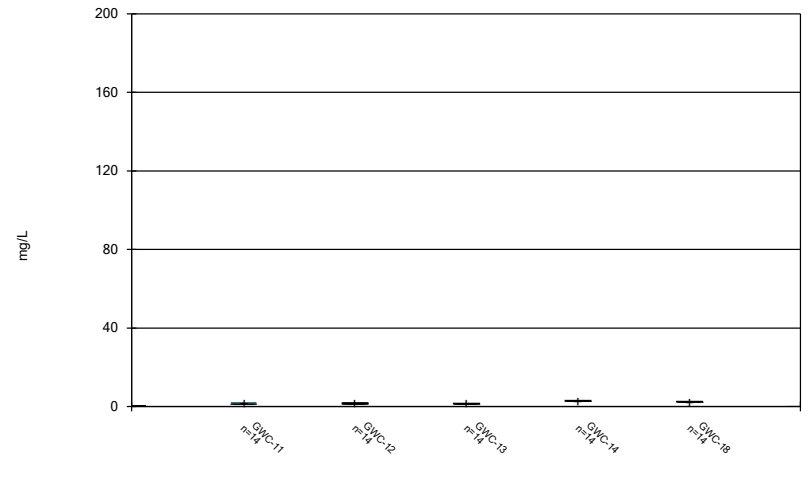
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



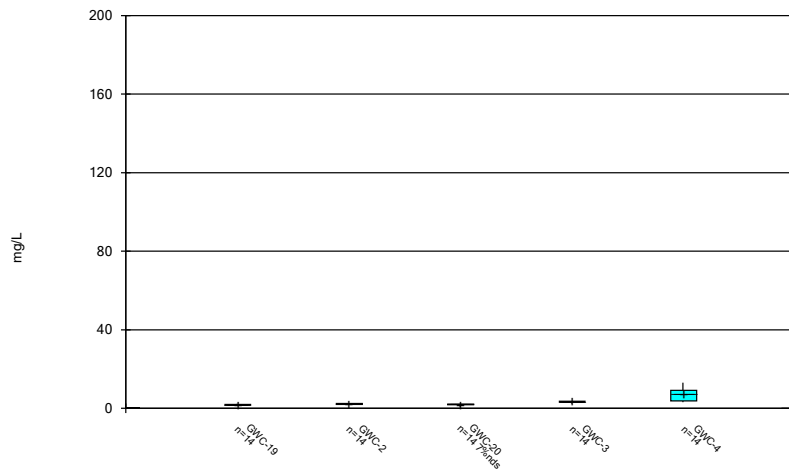
Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



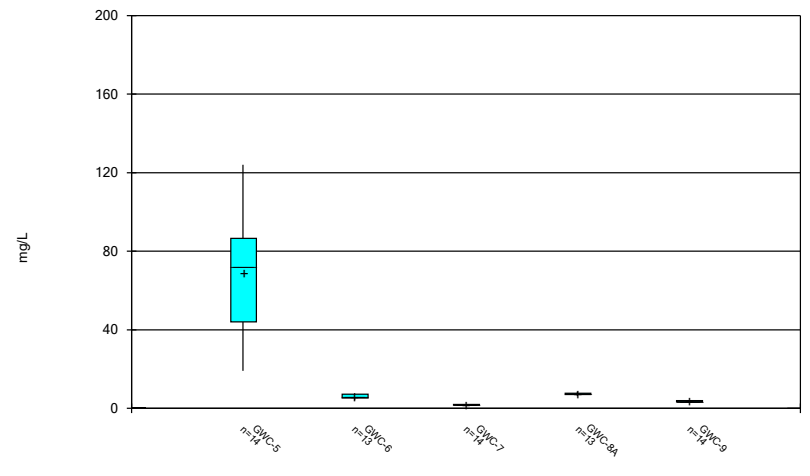
Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

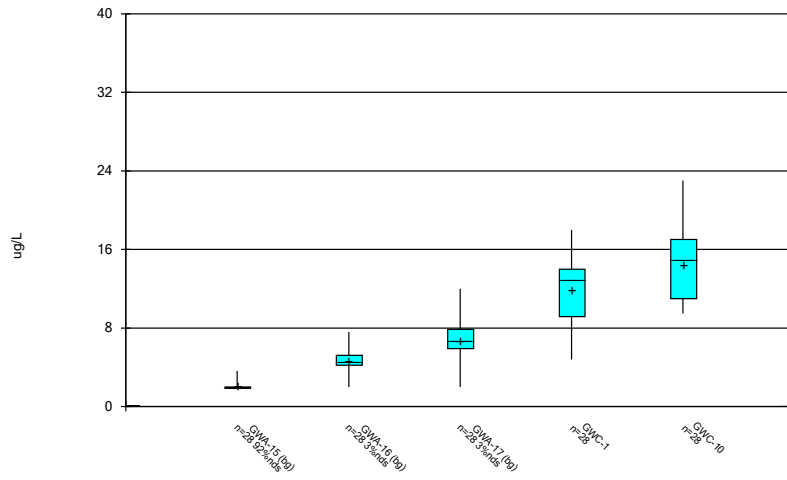
### Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

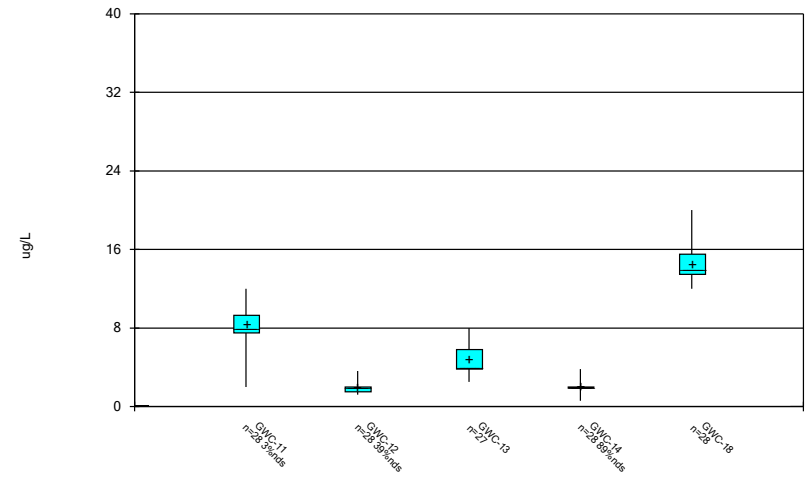


### Box & Whiskers Plot



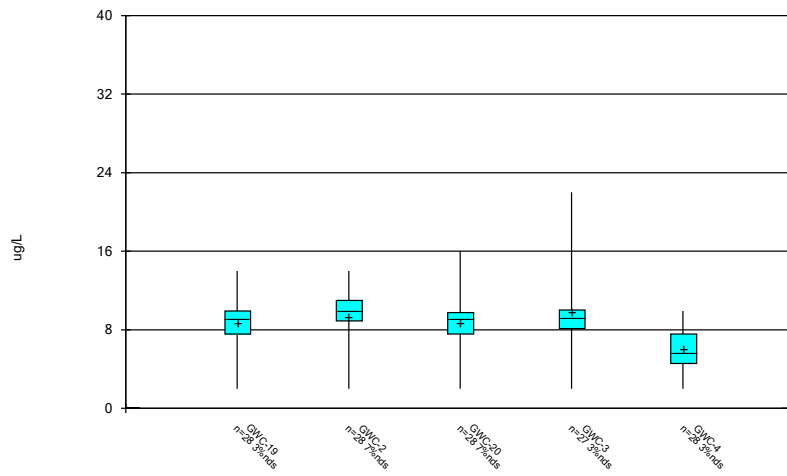
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



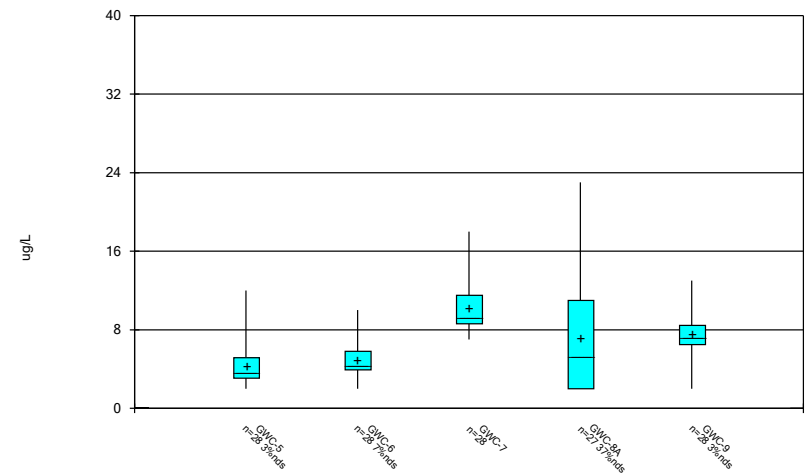
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



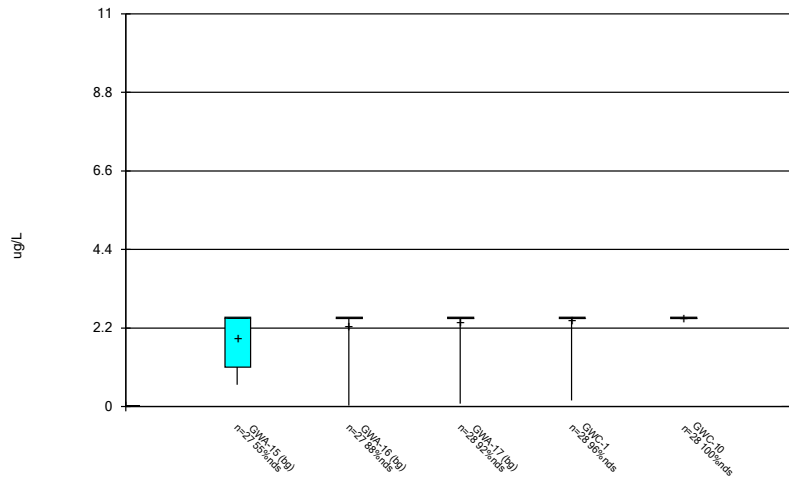
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



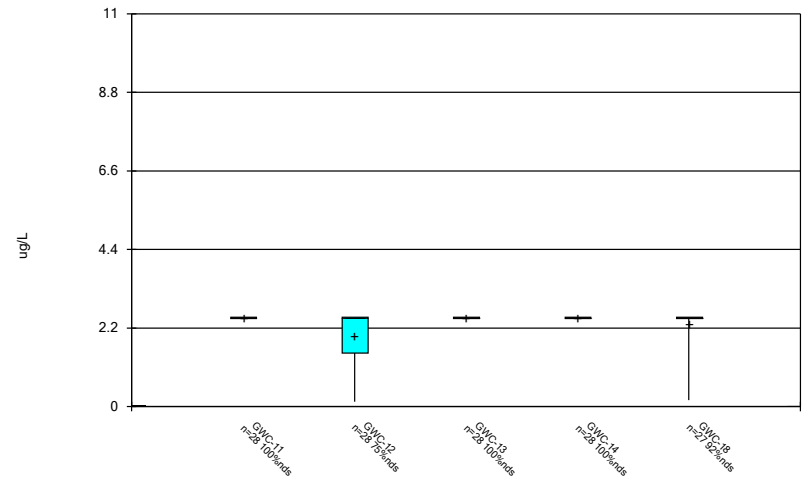
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



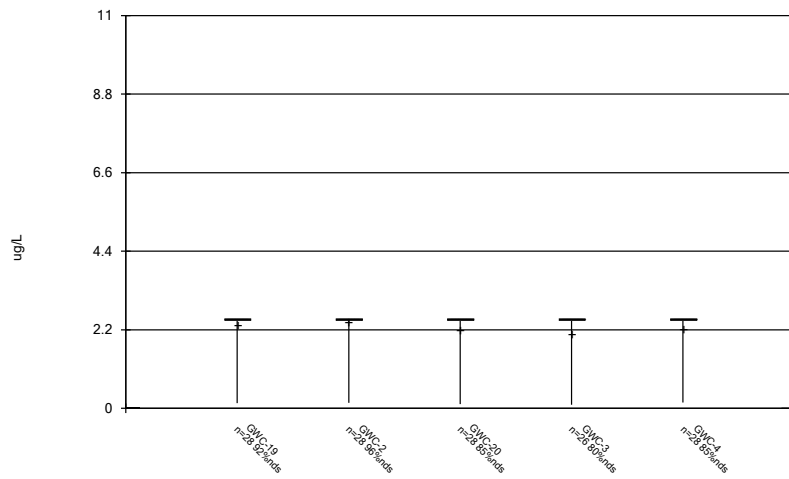
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



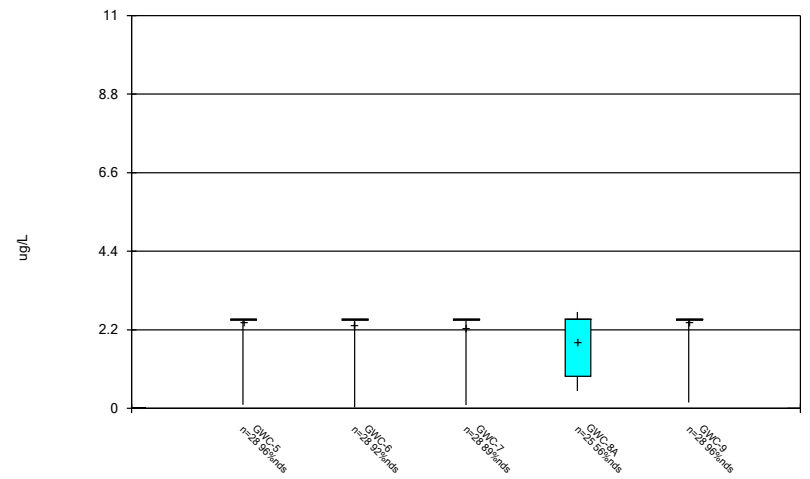
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



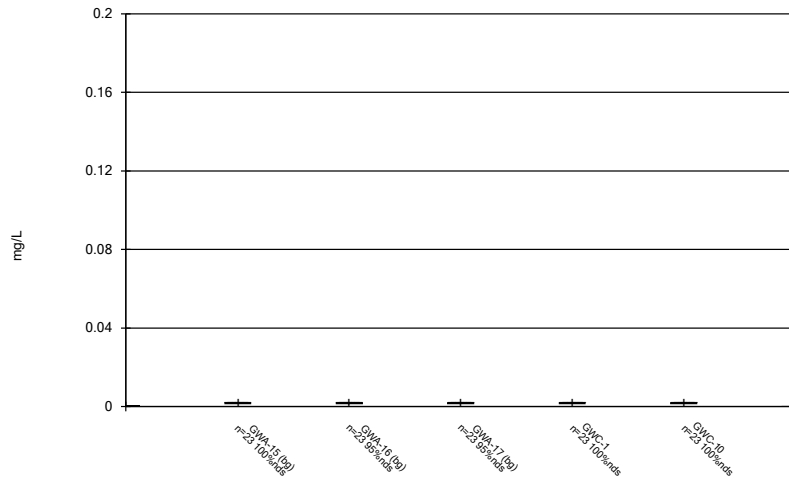
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



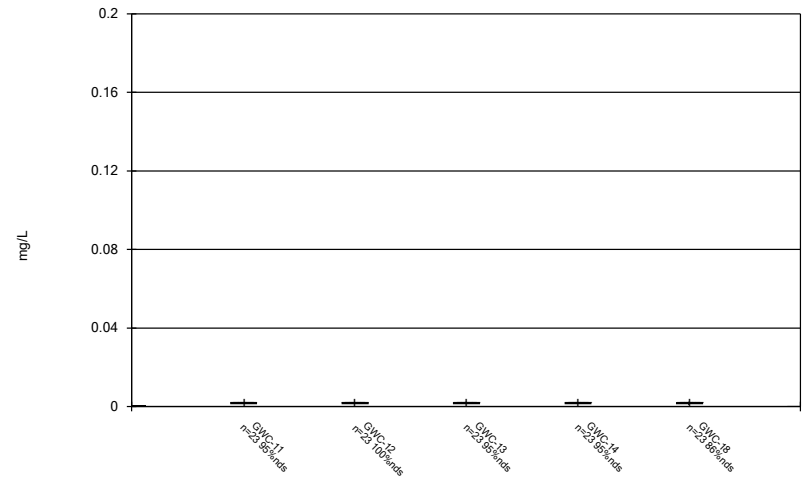
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



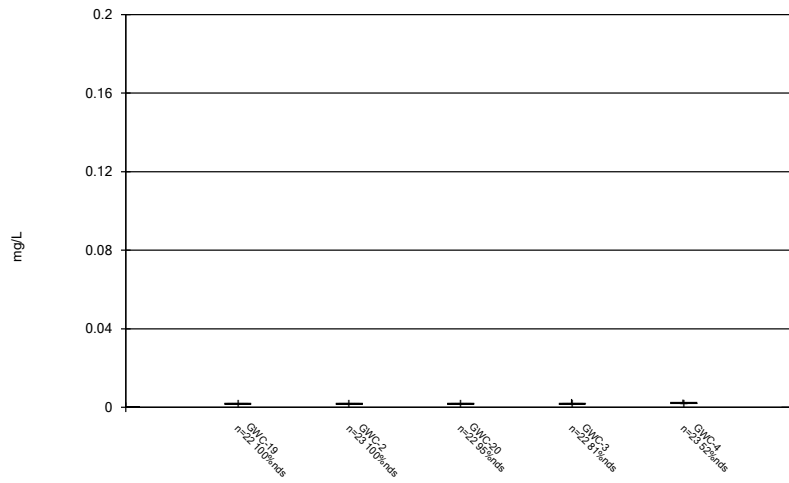
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



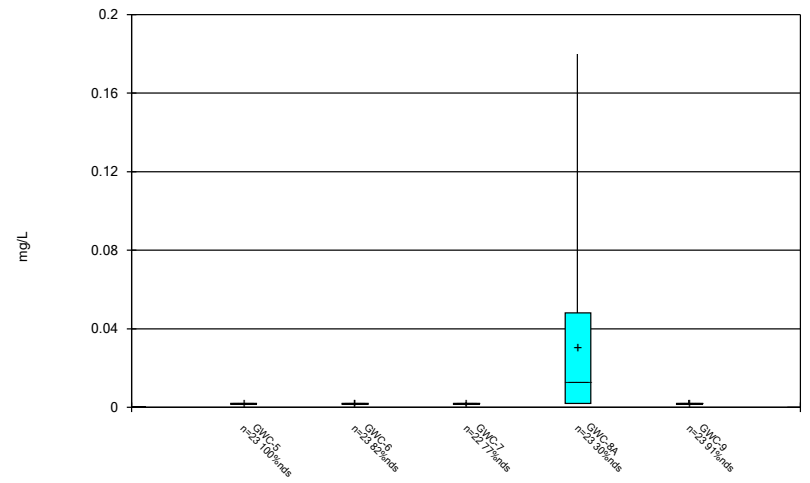
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



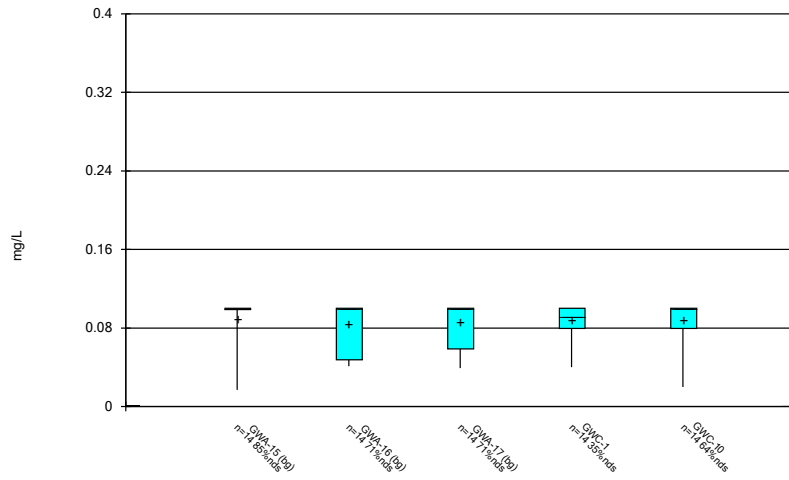
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



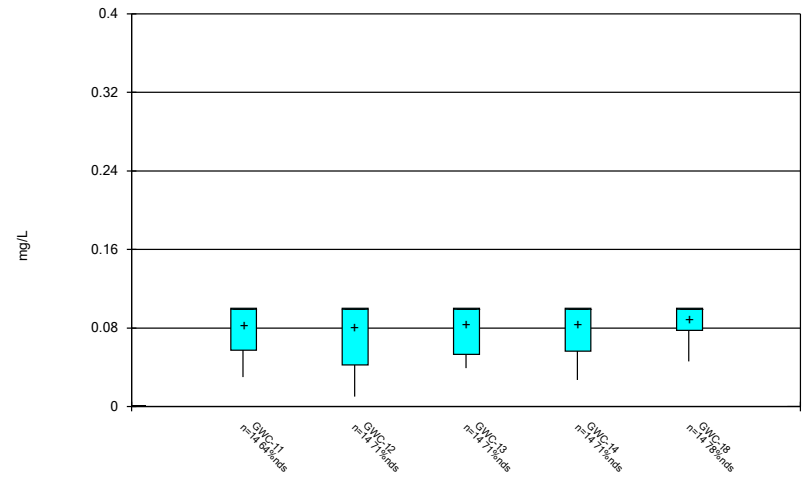
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



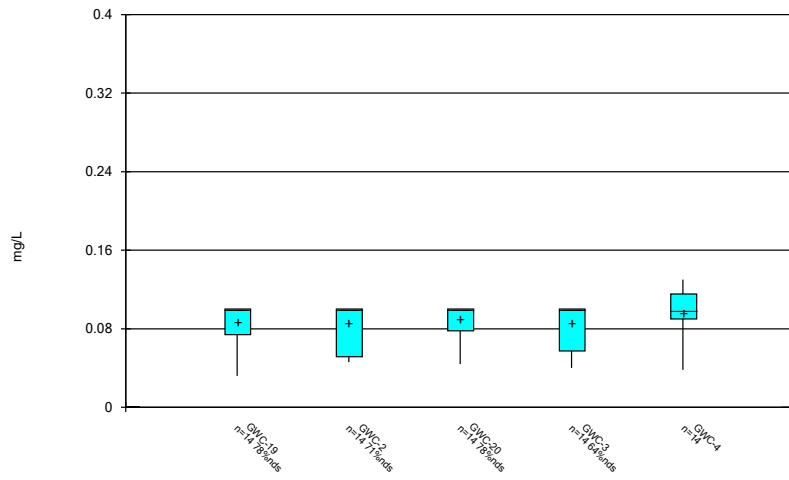
Constituent: Fluoride, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



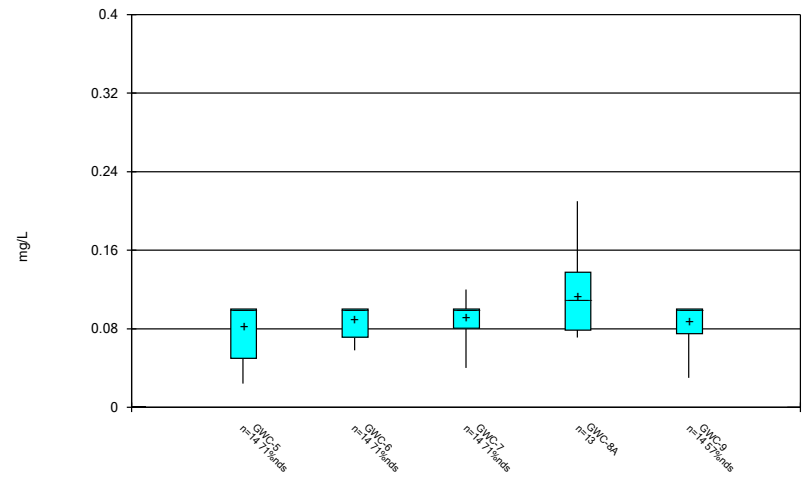
Constituent: Fluoride, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



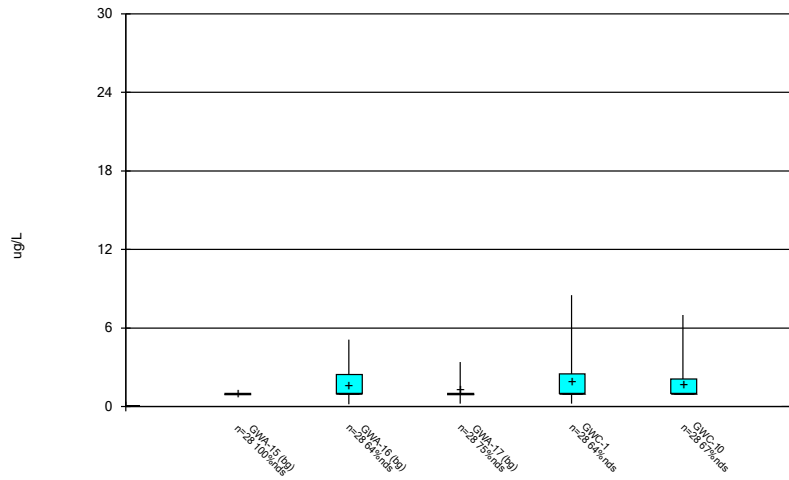
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



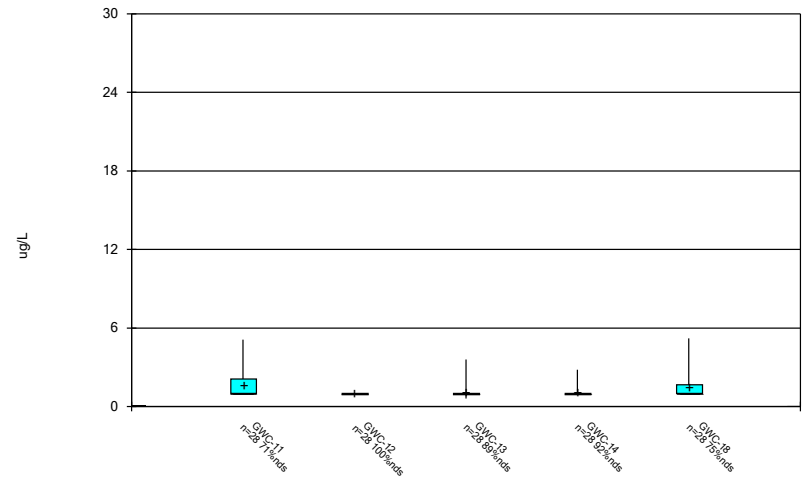
Constituent: Fluoride, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



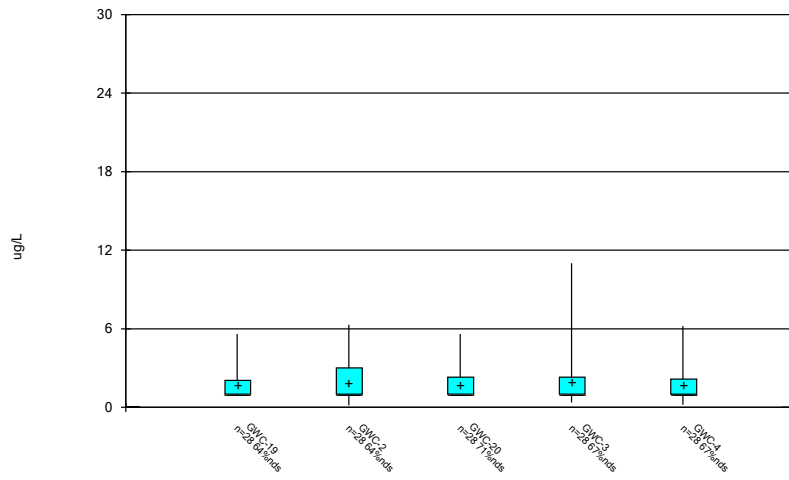
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



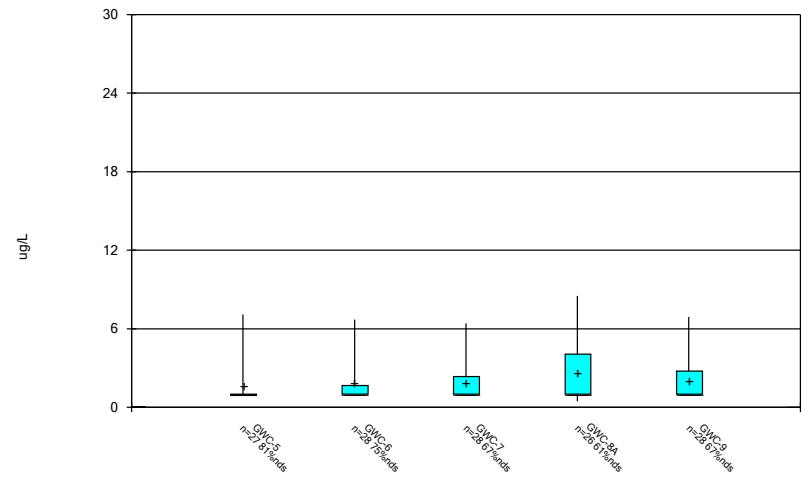
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



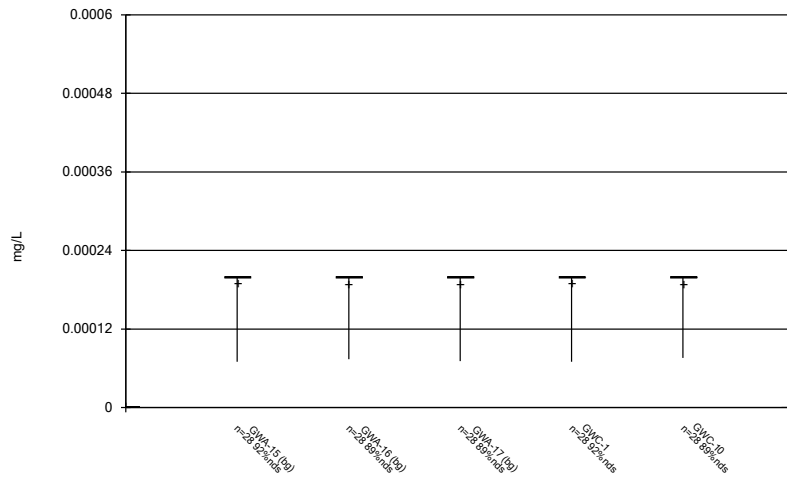
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



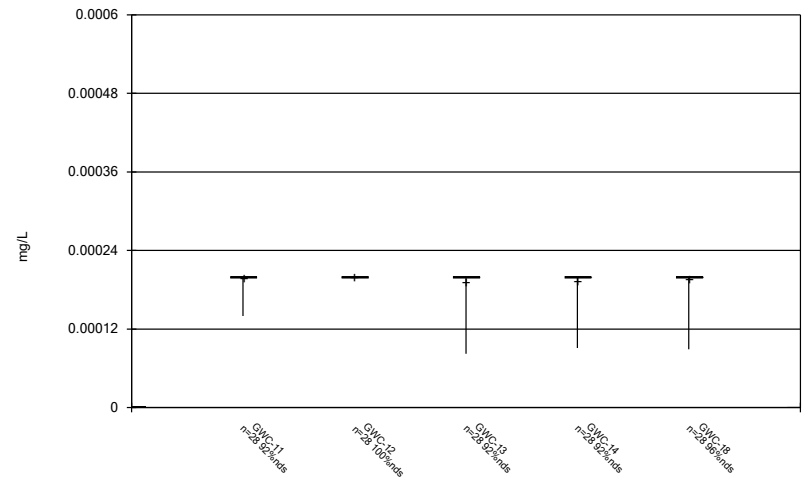
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



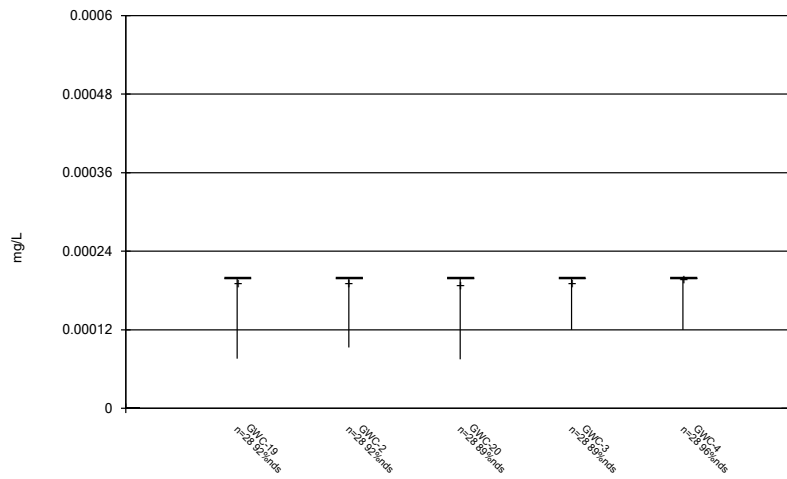
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



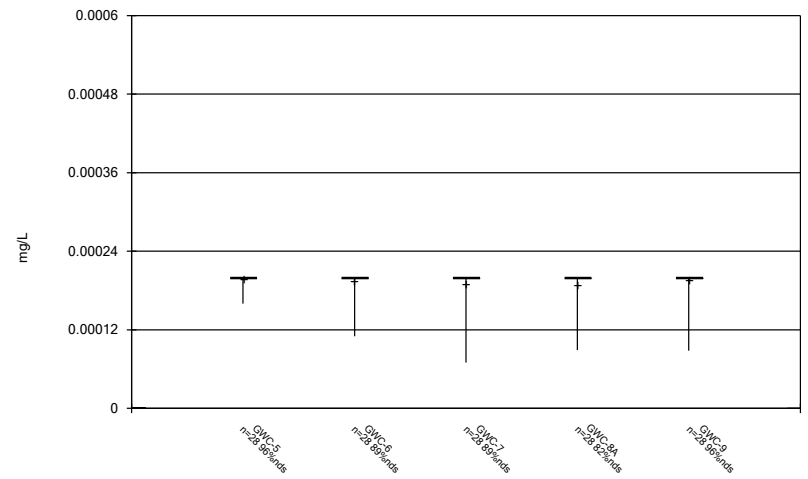
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



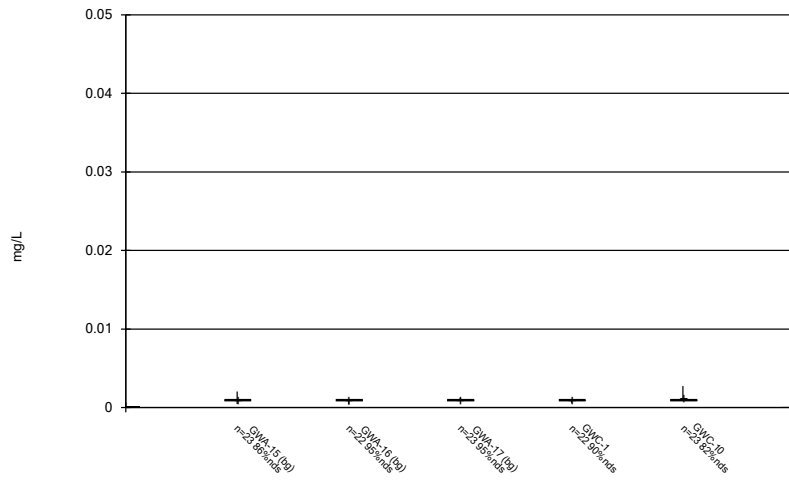
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



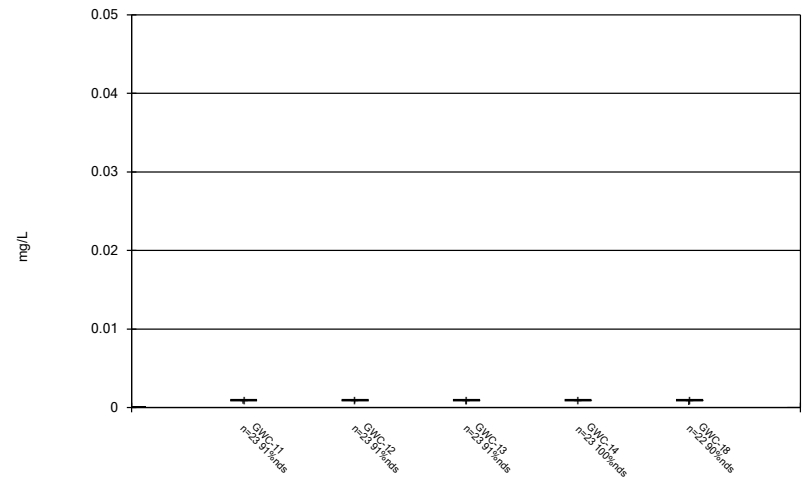
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



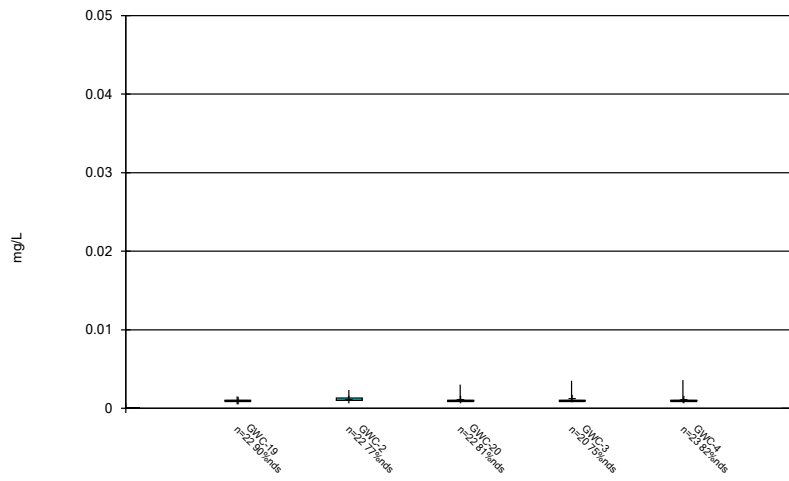
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



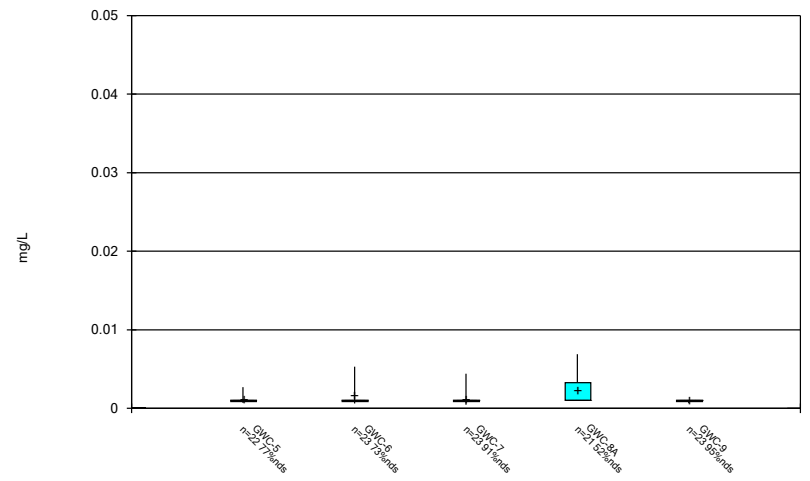
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



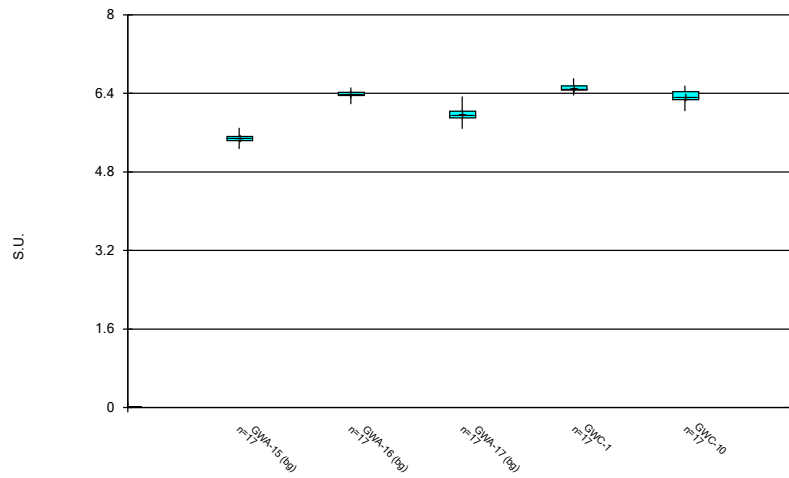
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



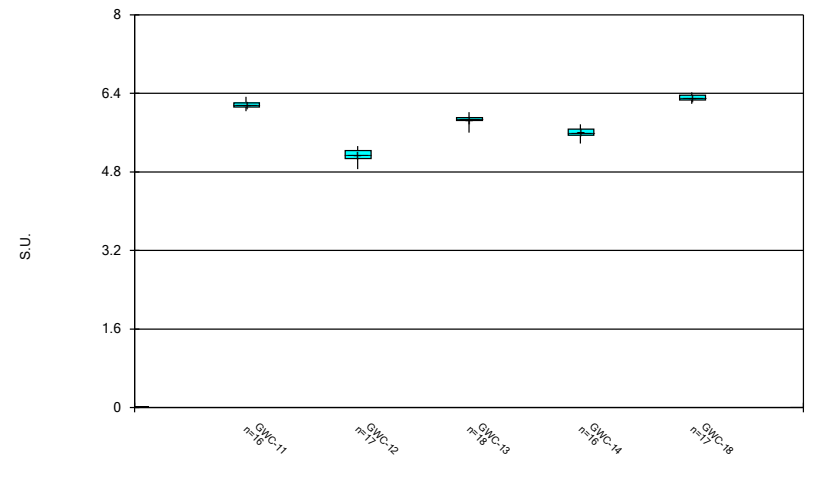
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



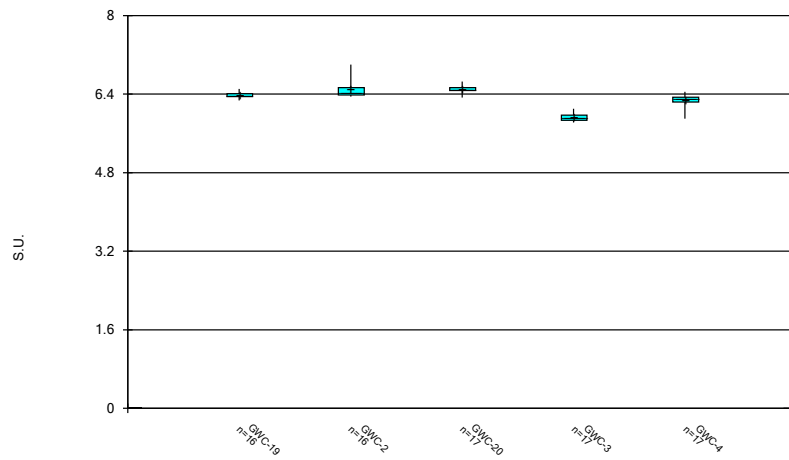
Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



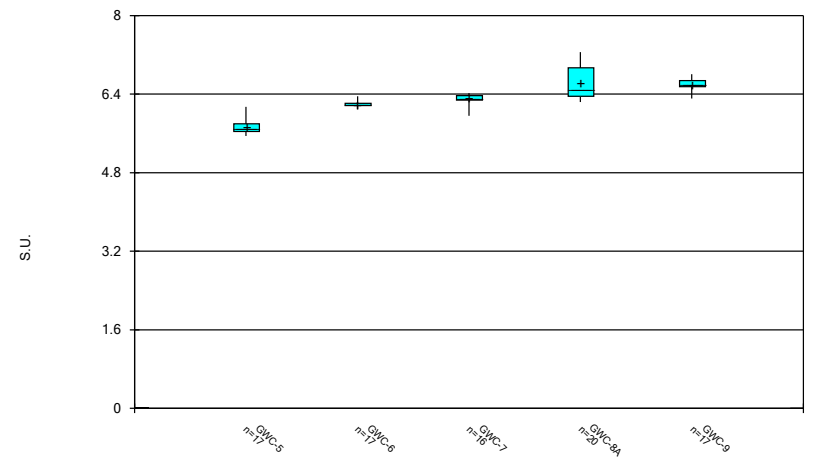
Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

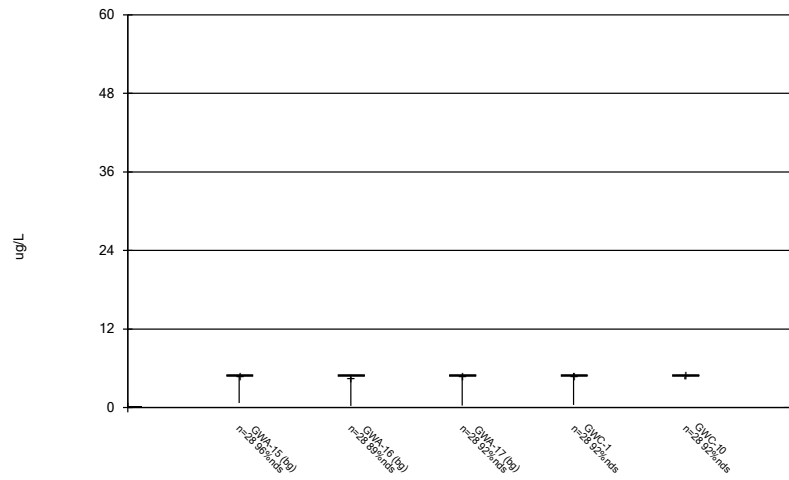
### Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

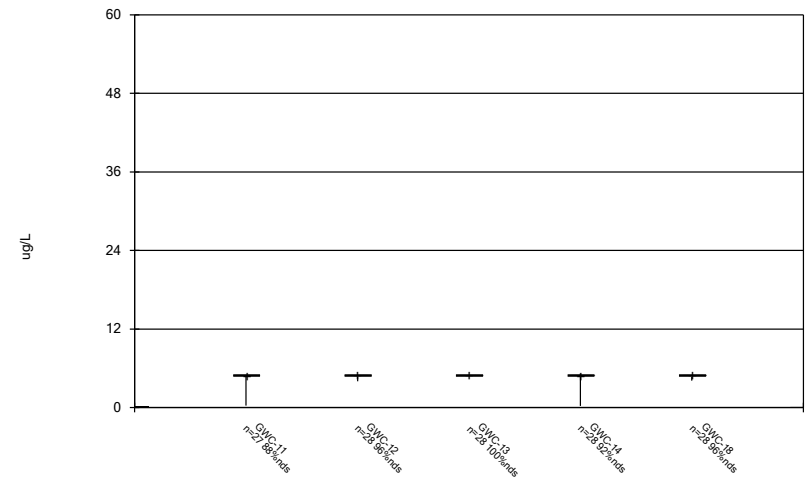


### Box & Whiskers Plot



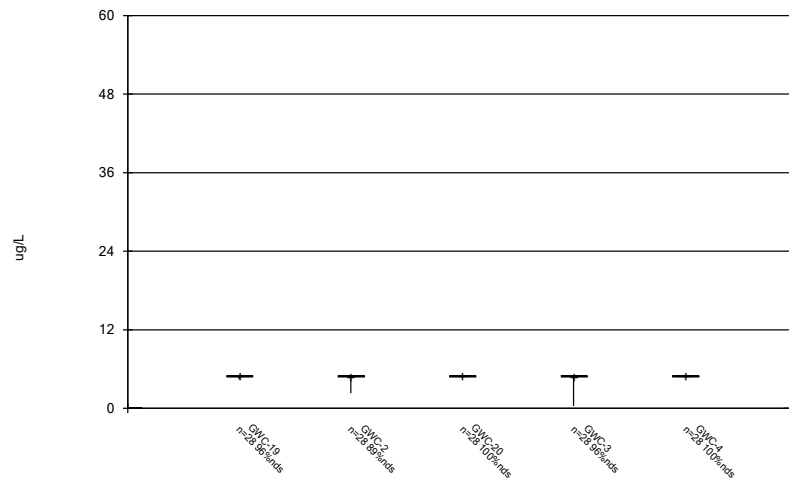
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



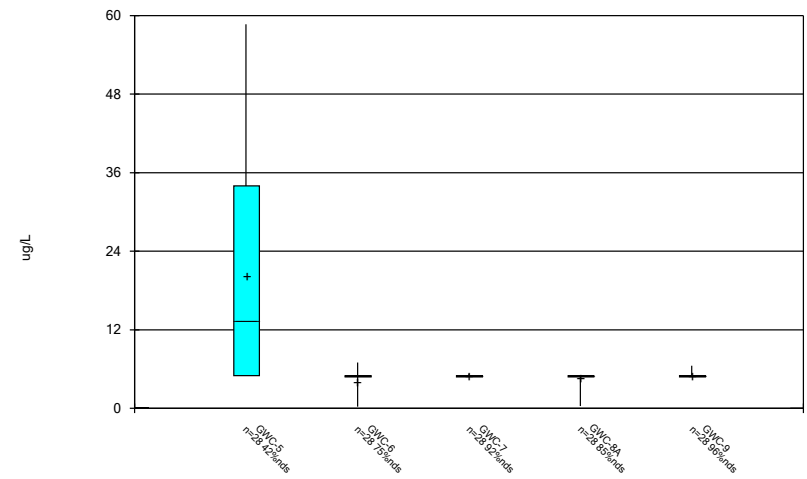
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



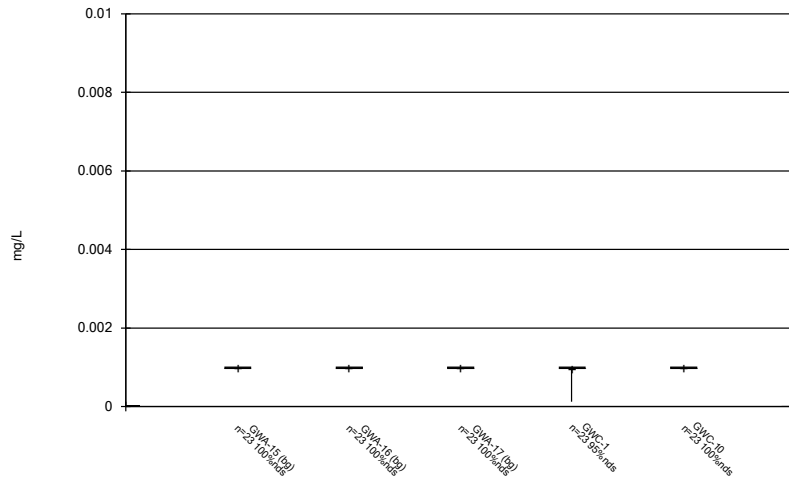
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



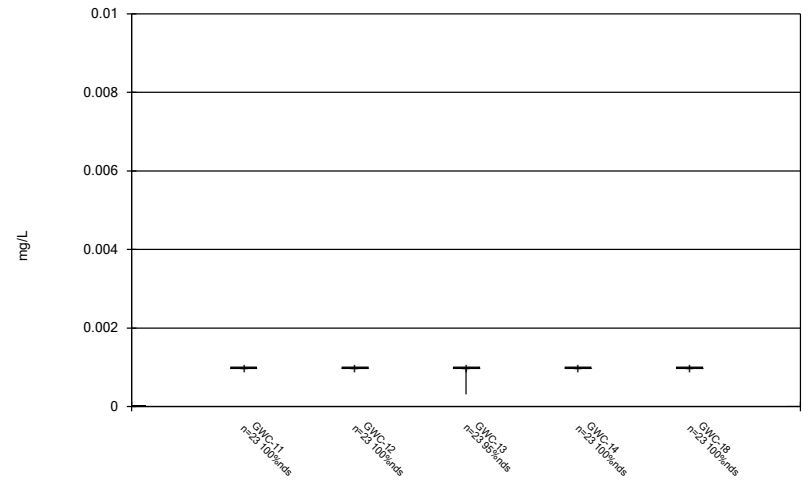
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



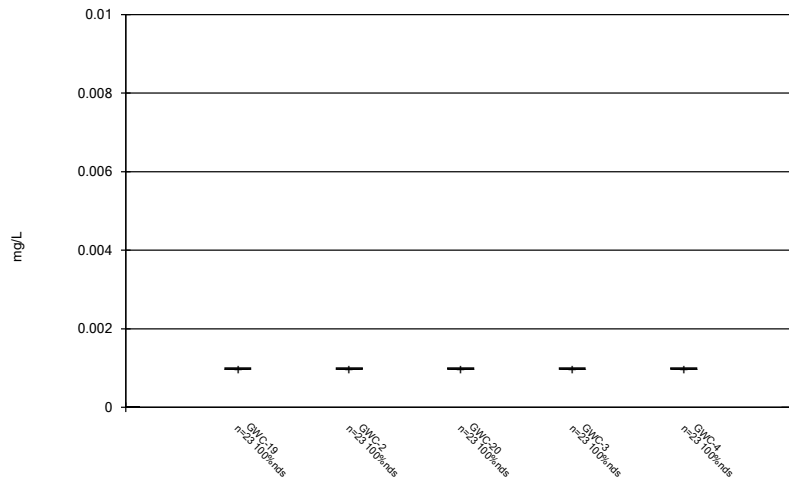
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



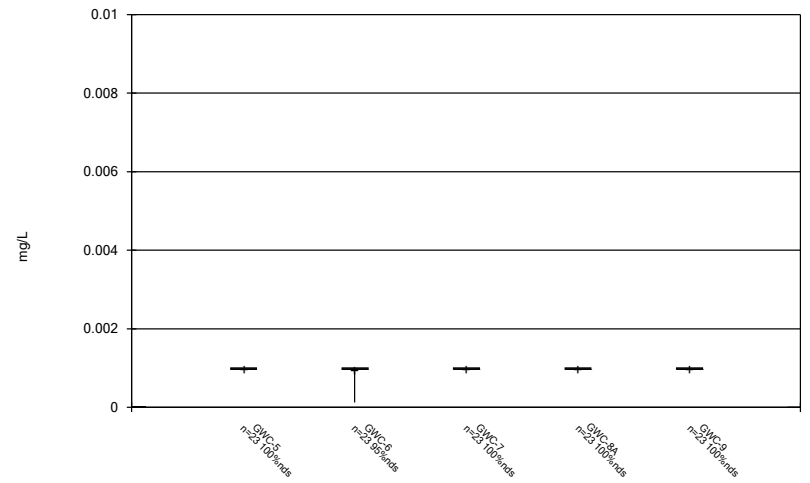
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



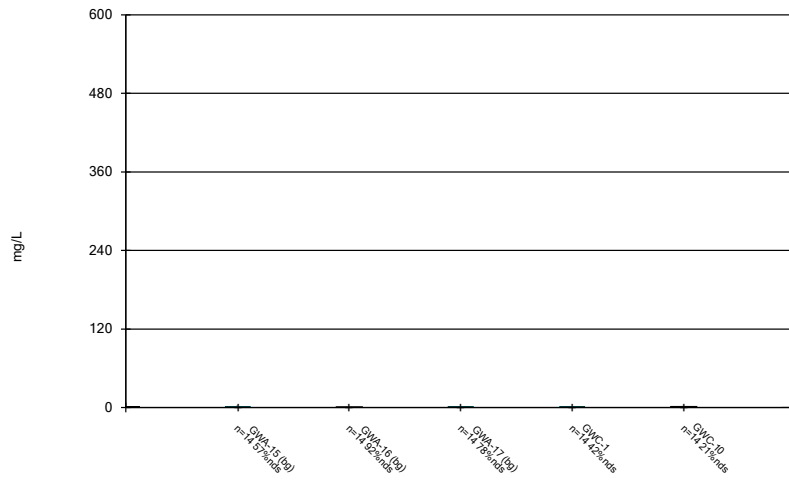
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



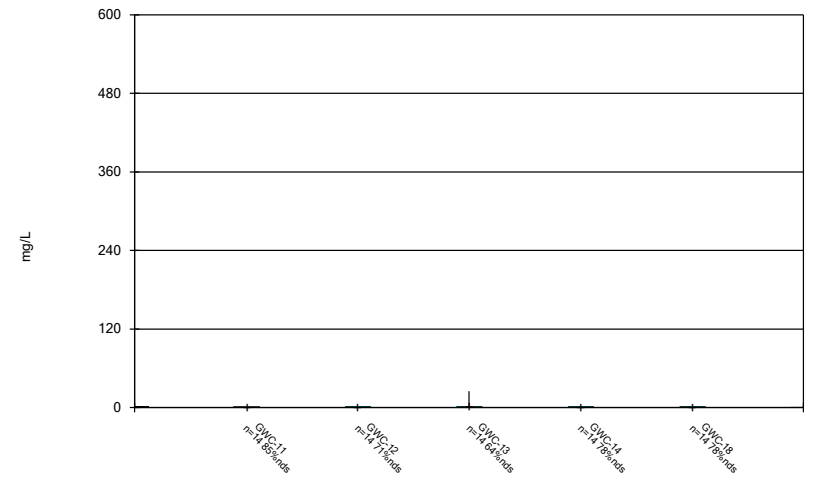
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



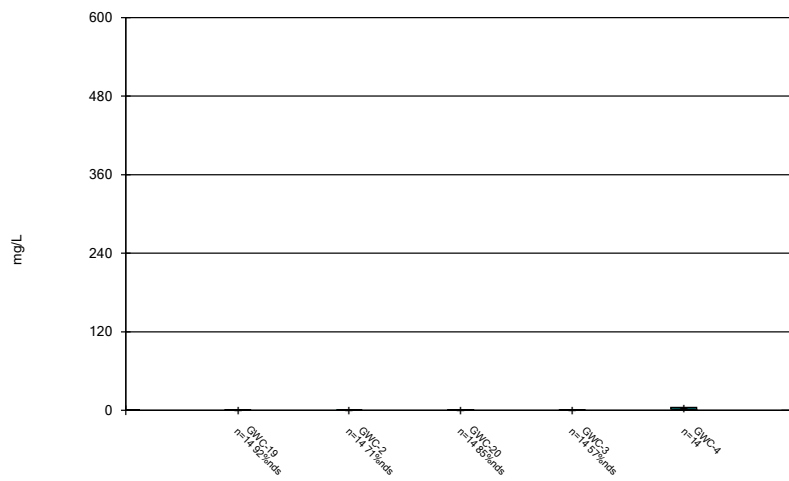
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



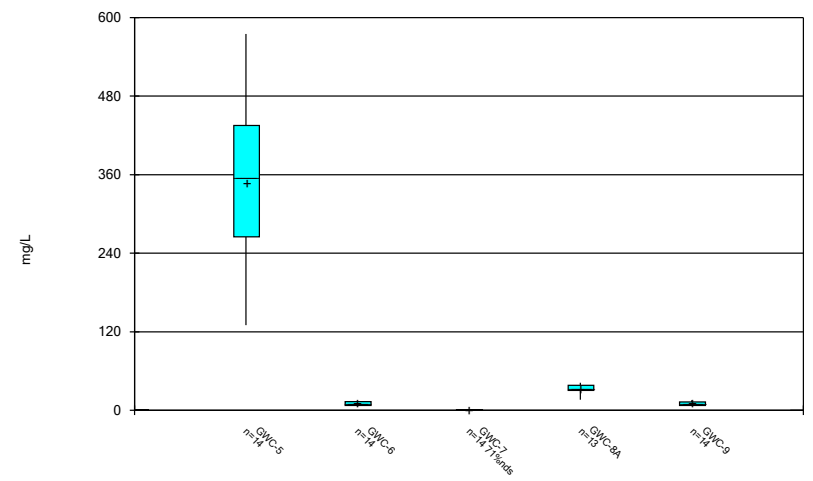
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



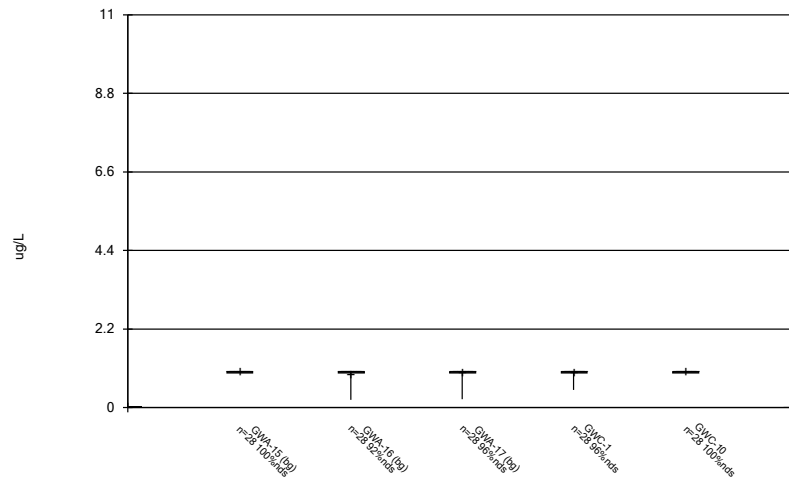
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



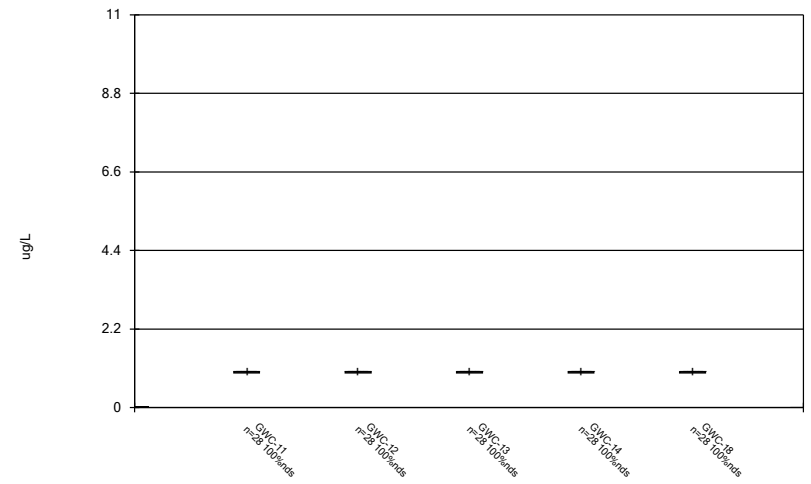
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



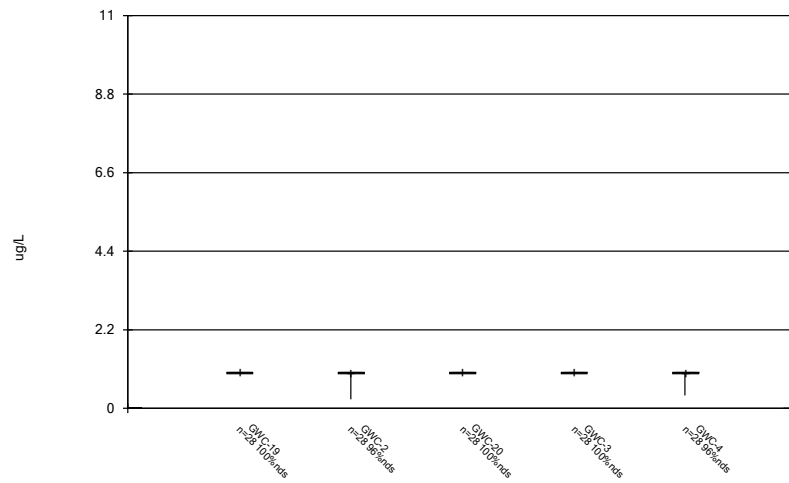
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



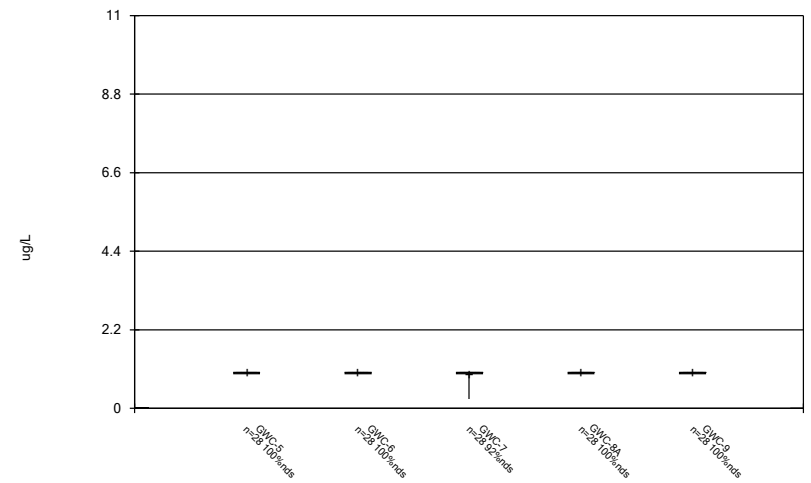
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



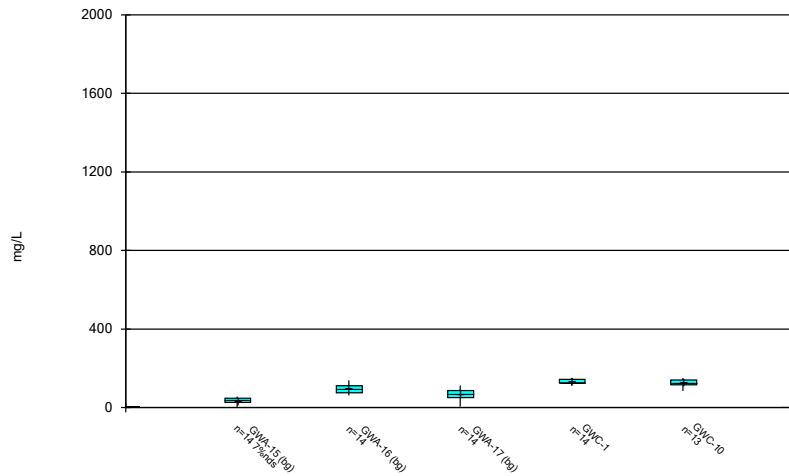
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



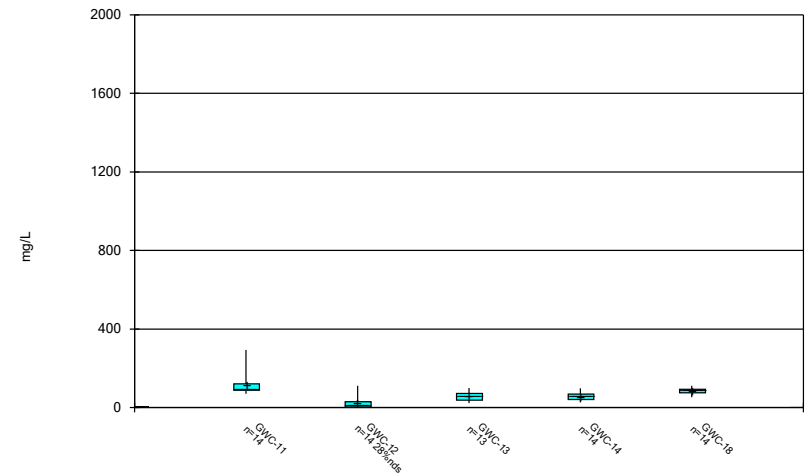
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



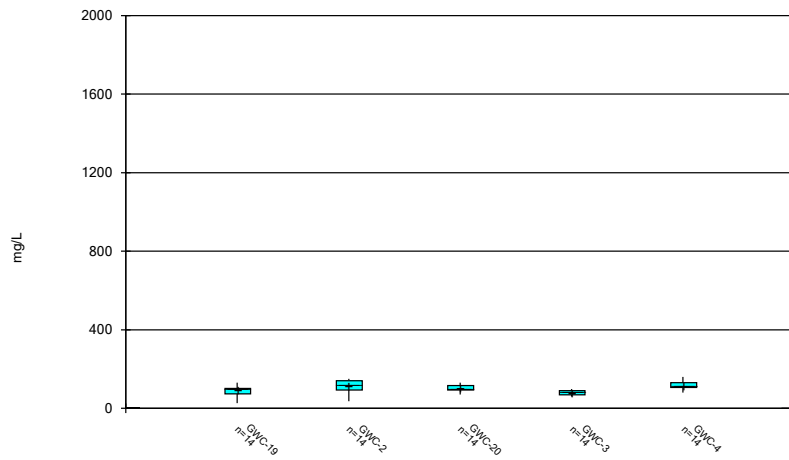
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



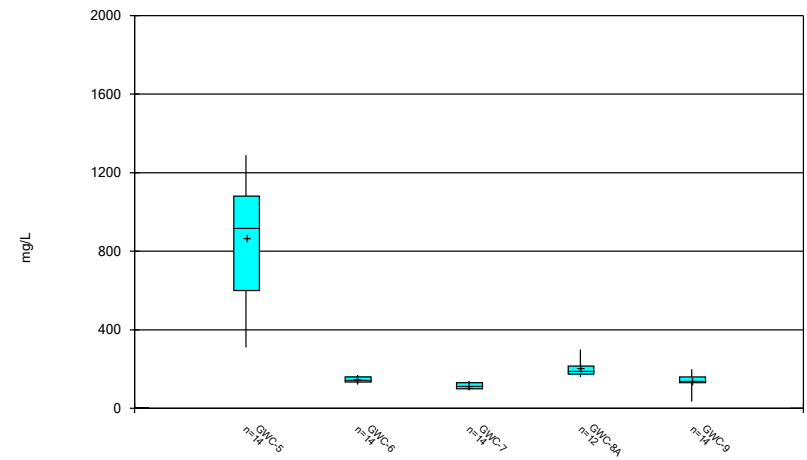
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



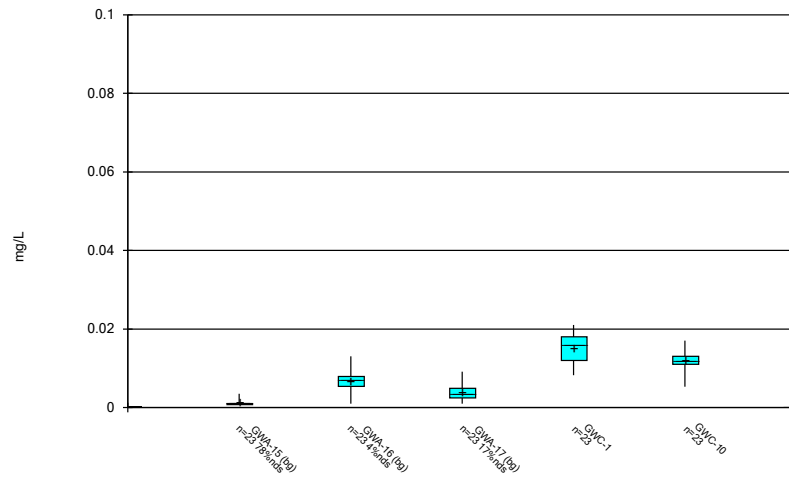
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



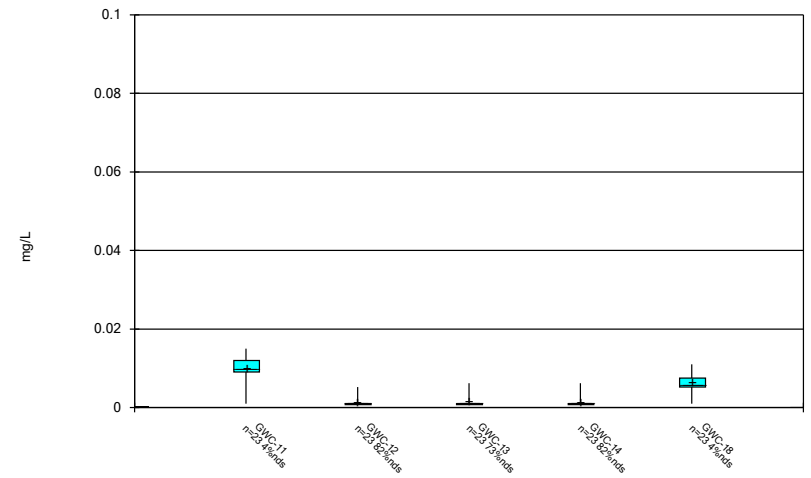
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



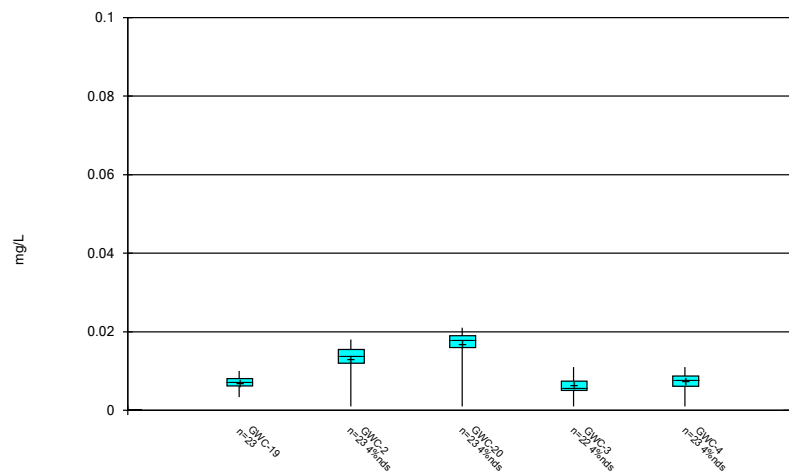
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



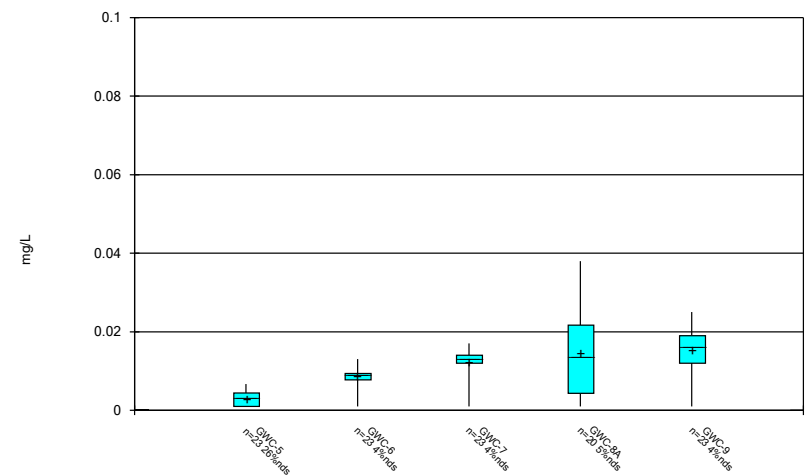
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



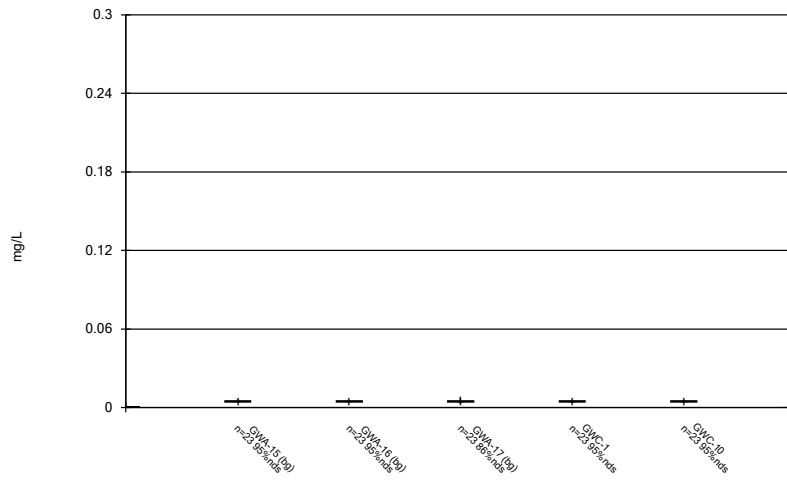
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



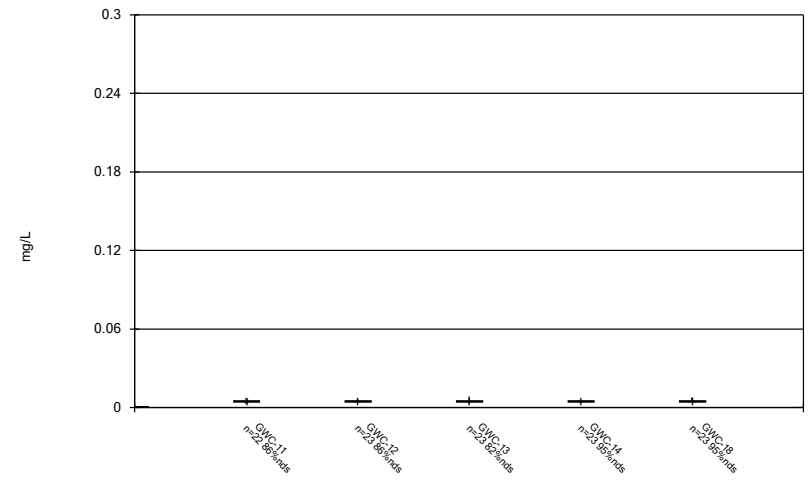
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



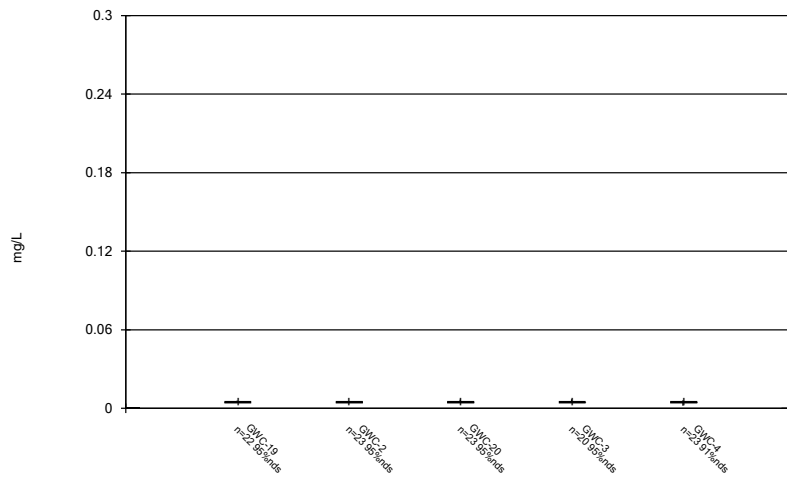
Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



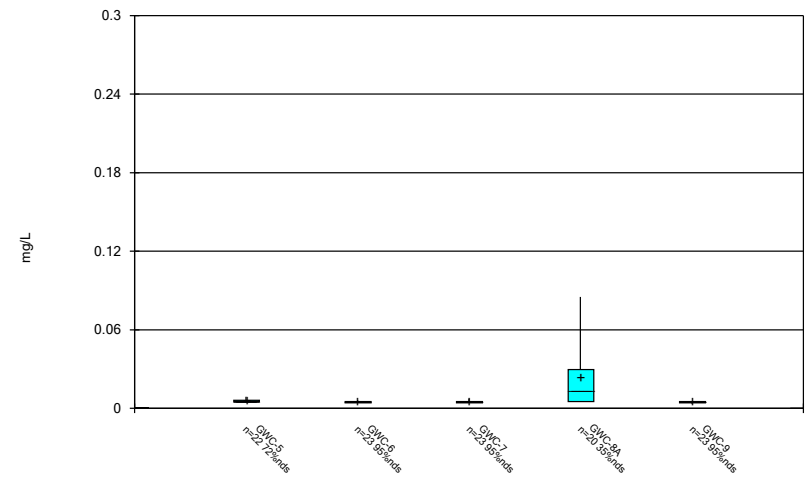
Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
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 6/19/2020, 9:17 AM

	GWC-10 Total Dissolved Solids [TDS] (mg/L)	GWC-13 Total Dissolved Solids [TDS] (mg/L)	GWC-8A Total Dissolved Solids [TDS] (mg/L)	GWC-3 Vanadium (mg/L)	GWC-8A Vanadium (mg/L)	GWC-11 Zinc (mg/L)	GWC-19 Zinc (mg/L)	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			0.019 (O)					0.016 (O)		
9/7/2010										
4/28/2011										
4/29/2011										
4/30/2011				0.053 (O)						0.13 (O)
10/28/2011										
5/3/2012										
5/10/2013				0.09 (O)						0.23 (O)
11/13/2014				0.065 (O)						0.13 (O)
5/22/2015										
5/23/2015										
5/24/2015										
4/6/2016										
4/19/2016									0.0133 (O)	
6/21/2016	214 (O)	195 (O)								
10/5/2016						0.0085 (O)	0.01 (O)			
10/10/2016			110 (O)							
2/7/2017										
2/8/2017										
4/6/2017										
3/20/2018										
3/22/2018										
10/2/2018				0.022 (O)						

FIGURE D.

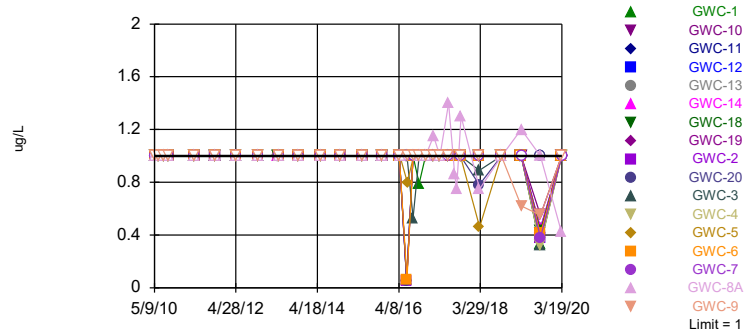
# State Parameters Interwell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:48 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig. Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (ug/L)	GWC-1	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-10	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-11	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-12	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-13	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-14	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-18	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-19	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-2	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-20	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-3	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-4	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-5	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-6	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-7	1	n/a	3/19/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-8A	1	n/a	3/18/2020	0.42J	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-9	1	n/a	3/18/2020	1ND	No 84	n/a	n/a	n/a	96.43	n/a	n/a	0.0002703	NP (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	3/18/2020	0.001ND	No 69	n/a	n/a	n/a	100	n/a	n/a	0.0003928	NP (NDs) 1 of 2

Within Limit

Prediction Limit  
 Interwell Non-parametric

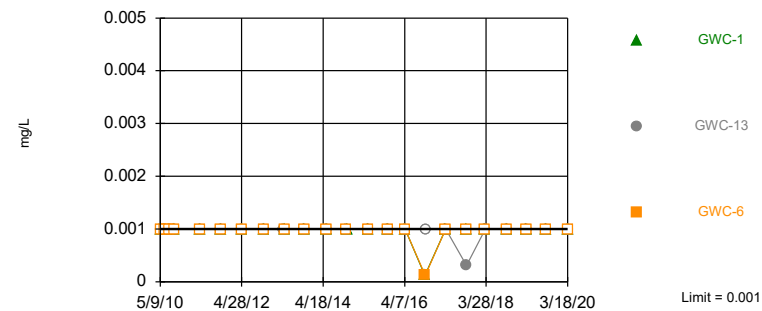


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 84 background values. 96.43% NDs. Annual per-constituent alpha = 0.009151. Individual comparison alpha = 0.0002703 (1 of 2). Comparing 17 points to limit.

Constituent: Arsenic, Total Analysis Run 6/19/2020 9:47 AM View: State Parameters - 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 = 69) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.01327. Individual comparison alpha = 0.0003928 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Silver Analysis Run 6/19/2020 9:47 AM View: State Parameters - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR





# Prediction Limit

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-13	GWC-14	GWA-16 (bg)	GWC-12	GWC-10	GWC-7	GWC-18
4/13/2016			<1 (D)	<1 (D)		<1 (D)	<1 (D)	<1 (D)	
4/19/2016									
6/15/2016	<1	<1			<1				
6/16/2016									<1
6/20/2016								<1	
6/21/2016			<1	<1		<1	<1		
6/22/2016									
8/10/2016	<1	<1			<1				
8/11/2016									<1
8/12/2016									
8/15/2016			<1	<1		<1	<1	<1	
8/16/2016									
10/4/2016		<1		<1	<1				
10/5/2016	<1					<1	<1		<1
10/6/2016								<1	
10/7/2016			<1						
10/10/2016									
11/29/2016	<1				<1				<1
11/30/2016		<1							
12/1/2016			<1	<1		<1	<1	<1	
2/7/2017	<1	<1		<1	<1				
2/8/2017						<1	<1		<1
2/9/2017			<1					<1	
4/4/2017	<1	<1			<1				
4/5/2017						<1			
4/6/2017			<1	<1			<1		<1
4/7/2017								<1	
6/20/2017	<1	<1		<1	<1	<1			
6/21/2017							<1		<1
6/22/2017			<1					<1	
8/15/2017									
9/1/2017									
10/4/2017		<1							
10/5/2017	<1			<1	<1	<1	<1		<1
10/6/2017			<1					<1	
10/9/2017									
3/20/2018	<1	<1 (D)		<1	<1				<1
3/21/2018						<1 (D)	<1		
3/22/2018			<1					<1	
10/2/2018	<1	<1		<1	<1	<1	<1		<1
10/3/2018			<1						
10/4/2018								<1	
3/26/2019	<1	<1	<1	<1	<1	<1			<1
3/27/2019							<1	<1	
9/10/2019	0.69 (J)	0.32 (J)			0.49 (J)				
9/11/2019			0.42 (J)	0.45 (J)		0.38 (J)	0.55 (J)	0.38 (J)	0.43 (J)
9/12/2019									
3/18/2020	<1	<1	<1	<1	<1	<1	<1		<1
3/19/2020								<1	

# Prediction Limit

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9	GWC-11	GWC-19	GWC-2	GWC-1	GWC-5	GWC-6	GWC-20
5/8/2010									
5/9/2010									
5/10/2010	<1	<1	<1						
5/11/2010				<1	<1	<1	<1	<1	<1
6/16/2010		<1	<1	<1					
6/17/2010						<1			<1
6/18/2010							<1	<1	
6/19/2010	<1				<1				
7/26/2010									
7/27/2010		<1	<1	<1	<1	<1	<1	<1	<1
7/28/2010	<1								
7/29/2010									
9/7/2010				<1					<1
9/8/2010	<1	<1	<1						
9/9/2010					<1	<1	<1	<1	
4/26/2011									
4/28/2011					<1	<1			
4/29/2011		<1	<1	<1			<1		<1
4/30/2011	<1							<1	
10/27/2011	<1	<1	<1						
10/28/2011				<1	<1		<1		<1
10/29/2011						<1		<1	
5/2/2012				<1					
5/3/2012		<1			<1	<1			<1
5/4/2012	<1		<1				<1	<1	
11/9/2012				<1	<1	<1			
11/10/2012			<1				<1	<1	<1
11/11/2012	<1	<1							
5/8/2013									
5/9/2013		<1	<1	<1	<1	<1	<1	<1	<1
5/10/2013	<1								
11/5/2013					<1	<1			
11/6/2013		<1	<1	<1			<1		<1
11/7/2013	<1							<1	
5/20/2014			<1						
5/21/2014	<1	<1						<1	
5/22/2014				<1	<1		<1		<1
5/23/2014						<1			
11/8/2014				<1					
11/9/2014							<1	<1	<1
11/12/2014		<1	<1						
11/13/2014	<1				<1	<1			
5/22/2015									
5/23/2015	<1	<1		<1		<1			
5/24/2015			<1		<1		<1	<1	<1
11/9/2015									
11/10/2015				<1					<1
11/11/2015	<1				<1	<1	<1	<1	
11/12/2015		<1	<1						
4/6/2016									
4/11/2016				<1					
4/12/2016					<1	<1		<1	<1

# Prediction Limit

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9	GWC-11	GWC-19	GWC-2	GWC-1	GWC-5	GWC-6	GWC-20
4/13/2016		<1 (D)	<1 (D)						
4/19/2016	<1						<1		
6/15/2016									
6/16/2016				0.051 (J)	0.055 (J)	0.06 (J)			0.054 (J)
6/20/2016								0.063 (J)	
6/21/2016			<1						
6/22/2016		<1					0.8		
8/10/2016									
8/11/2016				<1	<1	<1			<1
8/12/2016								<1	
8/15/2016		<1	<1						
8/16/2016							<1		
10/4/2016					<1	0.79			
10/5/2016			<1	<1					<1
10/6/2016		<1					<1	<1	
10/7/2016									
10/10/2016	<1								
11/29/2016				<1					
11/30/2016					<1	<1		<1	<1
12/1/2016	<1	<1	<1				<1		
2/7/2017					<1	<1			
2/8/2017		<1	<1	<1					<1
2/9/2017	1.15 (D)						<1	<1	
4/4/2017									
4/5/2017				<1		<1			
4/6/2017		<1	<1		<1		<1	<1	<1
4/7/2017	<1								
6/20/2017			<1		<1	<1			
6/21/2017	1.4	<1		<1			<1	<1	<1
6/22/2017									
8/15/2017	0.86								
9/1/2017	0.75								
10/4/2017					<1	<1			
10/5/2017		<1	<1	<1			<1		<1
10/6/2017								<1	
10/9/2017	1.3								
3/20/2018				<1	<1	<1			
3/21/2018		<1	<1					<1	0.78
3/22/2018	0.75						0.46 (J)		
10/2/2018		<1	<1	<1	<1	<1			
10/3/2018							<1	<1	<1
10/4/2018	<1								
3/26/2019				<1	<1	<1		<1	<1
3/27/2019	1.2	0.62	<1				<1		
9/10/2019					0.38 (J)	0.33 (J)			
9/11/2019	1 (J)	0.55 (J)	0.45 (J)				0.38 (J)	0.41 (J)	
9/12/2019				<1					<1
3/18/2020	0.42 (J)	<1	<1		<1	<1	<1	<1	
3/19/2020				<1					<1

# Prediction Limit

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-3
5/8/2010		
5/9/2010		
5/10/2010		
5/11/2010	<1	<1
6/16/2010		
6/17/2010	<1	<1
6/18/2010		
6/19/2010		
7/26/2010		
7/27/2010		
7/28/2010	<1	<1
7/29/2010		
9/7/2010		<1
9/8/2010	<1	
9/9/2010		
4/26/2011		
4/28/2011	<1	
4/29/2011		<1
4/30/2011		
10/27/2011		
10/28/2011		<1
10/29/2011	<1	
5/2/2012		
5/3/2012	<1	<1
5/4/2012		
11/9/2012		<1
11/10/2012	<1	
11/11/2012		
5/8/2013		
5/9/2013		
5/10/2013	<1	<1
11/5/2013		
11/6/2013	<1	<1
11/7/2013		
5/20/2014		
5/21/2014		
5/22/2014	<1	<1
5/23/2014		
11/8/2014		
11/9/2014	<1	<1
11/12/2014		
11/13/2014		
5/22/2015	<1	<1
5/23/2015		
5/24/2015		
11/9/2015		
11/10/2015		<1
11/11/2015	<1	
11/12/2015		
4/6/2016		
4/11/2016		
4/12/2016	<1	<1 (D)

# Prediction Limit

Constituent: Arsenic, Total (ug/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-3
4/13/2016		
4/19/2016		
6/15/2016		
6/16/2016		
6/20/2016	<1	<1
6/21/2016		
6/22/2016		
8/10/2016		
8/11/2016		
8/12/2016	<1	0.53 (J)
8/15/2016		
8/16/2016		
10/4/2016		
10/5/2016		<1
10/6/2016	<1	
10/7/2016		
10/10/2016		
11/29/2016		
11/30/2016	<1	<1
12/1/2016		
2/7/2017		
2/8/2017	<1	<1
2/9/2017		
4/4/2017		
4/5/2017		
4/6/2017	<1	<1
4/7/2017		
6/20/2017		
6/21/2017		<1
6/22/2017	<1	
8/15/2017		
9/1/2017		
10/4/2017		
10/5/2017		<1
10/6/2017	<1	
10/9/2017		
3/20/2018		
3/21/2018	<1	0.89
3/22/2018		
10/2/2018		
10/3/2018	<1	<1
10/4/2018		
3/26/2019	<1	<1
3/27/2019		
9/10/2019	0.32 (J)	0.32 (J)
9/11/2019		
9/12/2019		
3/18/2020		<1
3/19/2020	<1	

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/19/2020 9:48 AM View: State Parameters - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-13	GWC-6	GWC-1
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	



FIGURE E.



# State Parameters Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Lim Date	Observ.	Sig. Bg	N Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (ug/L)	GWC-10	34.91	n/a	3/18/2020	36	Yes25	24.34	4.121	8	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-11	18	n/a	3/18/2020	19	Yes25	n/a	n/a	8	n/a	n/a	0.002832	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-13	41.77	n/a	3/18/2020	58	Yes25	3.096	0.1457	0	None	x^(1/3)	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-19	19.97	n/a	3/19/2020	25	Yes25	89561	27067	4	None	x^4	0.0002066	Param 1 of 2
Cobalt, Total (ug/L)	GWC-8A	1.1	n/a	3/18/2020	2.7	Yes22	n/a	n/a	63.64	n/a	n/a	0.003707	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (ug/L)	GWA-16	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-12	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-18	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-19	2	n/a	3/19/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-2	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-3	2	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-7	2	n/a	3/19/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Barium, Total (ug/L)	GWA-15	12.69	n/a	3/18/2020	10	No	25	97.35	24.78	4	None	x^2	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWA-16	31.68	n/a	3/18/2020	27	No	25	25.4	2.449	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWA-17	50.54	n/a	3/18/2020	31	No	25	32.57	7.007	4	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-1	58.31	n/a	3/18/2020	49	No	25	46.62	4.557	0	None	No	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>34.91</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>36</b>	<b>Yes</b>	<b>25</b>	<b>24.34</b>	<b>4.121</b>	<b>8</b>	<b>None</b>	<b>No</b>	<b>0.0002066</b>	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-11</b>	<b>18</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>19</b>	<b>Yes</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002832</b>	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-12	19.05	n/a	3/18/2020	18	No	25	3545	1313	8	None	x^3	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-13</b>	<b>41.77</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>58</b>	<b>Yes</b>	<b>25</b>	<b>3.096</b>	<b>0.1457</b>	<b>0</b>	<b>None</b>	<b>x^(1/3)</b>	<b>0.0002066</b>	Param 1 of 2
Barium, Total (ug/L)	GWC-14	10.84	n/a	3/18/2020	9.9J	No	23	7548	2400	4.348	None	x^4	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-18	42.44	n/a	3/18/2020	36	No	25	43231	12957	4	None	x^3	0.0002066	Param 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-19</b>	<b>19.97</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>25</b>	<b>Yes</b>	<b>25</b>	<b>89561</b>	<b>27067</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0002066</b>	Param 1 of 2
Barium, Total (ug/L)	GWC-2	55.66	n/a	3/18/2020	48	No	25	45.08	4.125	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-20	36.17	n/a	3/19/2020	32	No	25	27034	7901	4	None	x^3	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-3	39	n/a	3/18/2020	13	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP (normality) 1 of 2
Barium, Total (ug/L)	GWC-4	50.44	n/a	3/19/2020	45	No	25	37.22	5.153	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-5	139.7	n/a	3/18/2020	40	No	25	6.24	2.174	0	None	sqrt(x)	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-6	66.69	n/a	3/18/2020	50	No	25	53.82	5.017	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-7	41.85	n/a	3/19/2020	36	No	25	31.71	3.951	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-8A	113	n/a	3/18/2020	43	No	25	45.78	26.22	0	None	No	0.0002066	Param 1 of 2
Barium, Total (ug/L)	GWC-9	36.36	n/a	3/18/2020	13	No	25	22.99	5.214	4	None	No	0.0002066	Param 1 of 2
Cadmium, Total (ug/L)	GWA-17	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-8A	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-15	3.6	n/a	3/18/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-16	8.848	n/a	3/18/2020	4.4	No	25	2.184	0.3081	4	None	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWA-17	10.91	n/a	3/18/2020	8.3	No	25	6.728	1.632	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-1	17.76	n/a	3/18/2020	14	No	19	12.68	1.865	0	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-10	20.49	n/a	3/18/2020	20	No	11	16.56	1.189	0	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-11	12	n/a	3/18/2020	8.6	No	25	n/a	n/a	4	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-12	3.1	n/a	3/18/2020	1.6J	No	25	n/a	n/a	44	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-13	8.343	n/a	3/18/2020	8	No	24	2.116	0.2984	0	None	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-14	3.6	n/a	3/18/2020	2ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Chromium, Total (ug/L)	GWC-18	20	n/a	3/18/2020	14	No	25	n/a	n/a	0	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-19	14.93	n/a	3/19/2020	12	No	25	8.719	2.422	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-2	12.92	n/a	3/18/2020	11	No	25	98.38	26.78	8	None	x^2	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-20	14.58	n/a	3/19/2020	9.4	No	25	9.018	2.168	8	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-3	22	n/a	3/18/2020	4.9	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-4	10.56	n/a	3/19/2020	4.5	No	25	6.12	1.731	4	None	No	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-5	10.96	n/a	3/18/2020	5.2	No	25	1.377	0.3969	4	None	ln(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-6	12	n/a	3/18/2020	4.6	No	25	n/a	n/a	8	n/a	n/a	0.002832	NP (normality) 1 of 2
Chromium, Total (ug/L)	GWC-7	16.72	n/a	3/19/2020	11	No	25	2.284	0.2076	0	None	ln(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-8A	28.69	n/a	3/18/2020	2ND	No	24	2.572	1.076	33.33	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Chromium, Total (ug/L)	GWC-9	12.37	n/a	3/18/2020	6.6	No	25	7.579	1.867	4	None	No	0.0002066	Param 1 of 2
Cobalt, Total (ug/L)	GWA-15	2.5	n/a	3/18/2020	1.7J	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-16	0.4	n/a	3/18/2020	0.34J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-17	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-1	2.5	n/a	3/18/2020	0.17J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-12	0.49	n/a	3/18/2020	0.13J	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-18	0.4	n/a	3/18/2020	0.18J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-19	0.4	n/a	3/19/2020	0.14J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (ug/L)	GWC-2	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-20	0.5	n/a	3/19/2020	0.26J	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-3	0.42	n/a	3/18/2020	0.14J	No	23	n/a	n/a	n/a	86.96	n/a	n/a	0.003415	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-4	2.5	n/a	3/19/2020	0.21J	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-5	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-6	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-7	0.4	n/a	3/19/2020	0.13J	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
<b>Cobalt, Total (ug/L)</b>	<b>GWC-8A</b>	<b>1.1</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>2.7</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>63.64</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	NP (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-9	2.5	n/a	3/18/2020	2.5ND	No	25	n/a	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	3/19/2020	0.002ND	No	20	n/a	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	3/18/2020	0.002ND	No	19	n/a	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0037	n/a	3/19/2020	0.002ND	No	20	n/a	n/a	n/a	55	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	3/19/2020	0.002ND	No	19	n/a	n/a	n/a	78.95	n/a	n/a	0.004832	NP (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.1944	n/a	3/18/2020	0.002ND	No	20	0.1545	0.1068	20	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2	
Copper (mg/L)	GWC-9	0.0038	n/a	3/18/2020	0.002ND	No	20	n/a	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWA-16	5.1	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWA-17	3.4	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	76	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-1	8.5	n/a	3/18/2020	0.23J	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-10	7	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-11	5.1	n/a	3/18/2020	1.7	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-13	3.6	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-14	2.8	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-18	5.2	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-19	5.6	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	60	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-2	6.3	n/a	3/18/2020	0.14J	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-20	5.6	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	68	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-3	11	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-4	6.2	n/a	3/19/2020	0.19J	No	25	n/a	n/a	n/a	68	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-5	7.1	n/a	3/18/2020	1ND	No	24	n/a	n/a	n/a	79.17	n/a	n/a	0.003124	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-6	6.7	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-7	6.4	n/a	3/19/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-8A	8.5	n/a	3/18/2020	1ND	No	23	n/a	n/a	n/a	56.52	n/a	n/a	0.003415	NP (NDs) 1 of 2
Lead, Total (ug/L)	GWC-9	6.9	n/a	3/18/2020	1ND	No	25	n/a	n/a	n/a	64	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	3/19/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2

# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig. Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-7	0.0002	n/a	3/19/2020	0.00011J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	3/18/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	3/18/2020	0.00043J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	3/18/2020	0.001ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.001	n/a	3/18/2020	0.001ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	3/18/2020	0.00056J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	3/18/2020	0.0016	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	3/18/2020	0.0005J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	3/18/2020	0.0006J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	3/18/2020	0.00061J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0018	n/a	3/18/2020	0.00034J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	3/19/2020	0.00047J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	3/18/2020	0.0016	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	3/19/2020	0.00098J	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	3/18/2020	0.00091J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0021	n/a	3/19/2020	0.00073J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	3/18/2020	0.00068J	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	3/18/2020	0.00062J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	3/19/2020	0.001ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	3/18/2020	0.0044	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	3/18/2020	0.001ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-15	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-16	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-17	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-1	5.3	n/a	3/18/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-10	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-11	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-12	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-14	5.2	n/a	3/18/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-18	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-19	5	n/a	3/19/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-2	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-3	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-6	7	n/a	3/18/2020	5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-7	5.3	n/a	3/19/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-8A	5	n/a	3/18/2020	5ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-9	6.5	n/a	3/18/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-16	1	n/a	3/18/2020	1ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-17	1	n/a	3/18/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-1	0.5	n/a	3/18/2020	0.49J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-2	0.5	n/a	3/18/2020	0.25J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-4	0.5	n/a	3/19/2020	0.36J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-7	1	n/a	3/19/2020	1ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	3/18/2020	0.0011	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01265	n/a	3/18/2020	0.0078	No	20	0.007093	0.002072	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWA-17	0.00892	n/a	3/18/2020	0.0051	No	20	0.06136	0.01234	20	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-1	0.0249	n/a	3/18/2020	0.02	No	14	0.01659	0.00277	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-10	0.01765	n/a	3/18/2020	0.013	No	20	0.01167	0.002231	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-11	0.01392	n/a	3/18/2020	0.011	No	20	0.01016	0.001399	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-12	0.0032	n/a	3/18/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.004	n/a	3/18/2020	0.001	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0026	n/a	3/18/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	3/18/2020	0.0075	No	20	n/a	n/a	5	n/a	n/a	0.004291	NP (normality) 1 of 2
Vanadium (mg/L)	GWC-19	0.01064	n/a	3/19/2020	0.008	No	20	0.006973	0.001367	0	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-2	0.01974	n/a	3/18/2020	0.016	No	20	0.01302	0.002504	5	None	No	0.0002066	Param 1 of 2

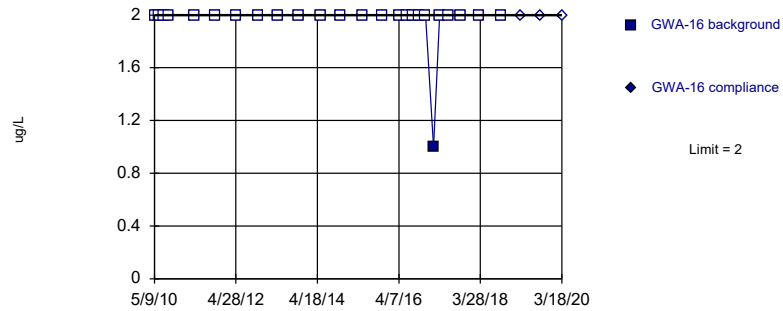
# State Parameters Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:43 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-20	0.02415	n/a	3/19/2020	0.019	No	20	0.01705	0.002645	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-3	0.01177	n/a	3/18/2020	0.0051	No	19	0.07988	0.01051	5.263	None	sqrt(x)	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-4	0.01212	n/a	3/19/2020	0.0065	No	20	0.007587	0.001689	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-5	0.007229	n/a	3/18/2020	0.002	No	20	0.00323	0.001491	30	Kaplan-Meier	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-6	0.01309	n/a	3/18/2020	0.0099	No	20	0.008558	0.001688	5	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-7	0.01745	n/a	3/19/2020	0.014	No	20	0.0001663	0.00005149	5	None	x^2	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-8A	0.04745	n/a	3/18/2020	0.0031	No	17	0.0168	0.01093	5.882	None	No	0.0002066	Param 1 of 2
Vanadium (mg/L)	GWC-9	0.02669	n/a	3/18/2020	0.012	No	20	0.01594	0.004006	5	None	No	0.0002066	Param 1 of 2
Zinc (mg/L)	GWA-15	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0073	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.007	n/a	3/18/2020	0.005ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	3/18/2020	0.005	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0071	n/a	3/18/2020	0.0052	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.005	n/a	3/18/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	3/18/2020	0.0045J	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.005	n/a	3/19/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.1221	n/a	3/18/2020	0.005ND	No	17	0.147	0.07218	29.41	Kaplan-Meier	sqrt(x)	0.0002066	Param 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	3/18/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP (NDs) 1 of 2

Within Limit

### Prediction Limit Intrawell Non-parametric

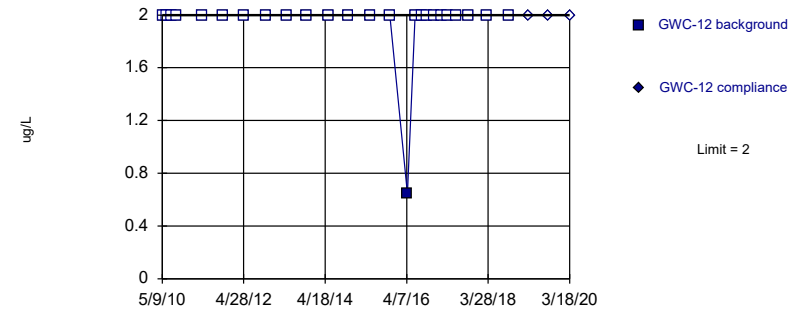


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

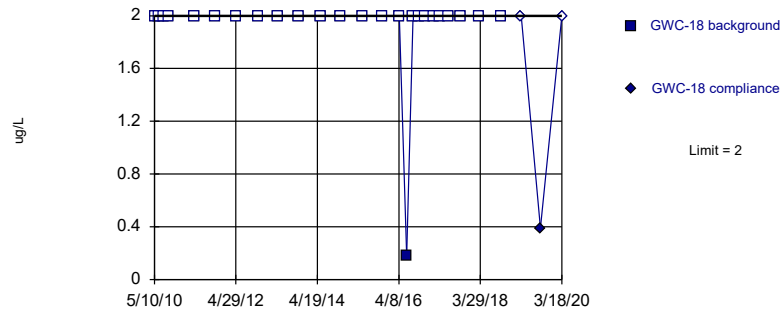


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

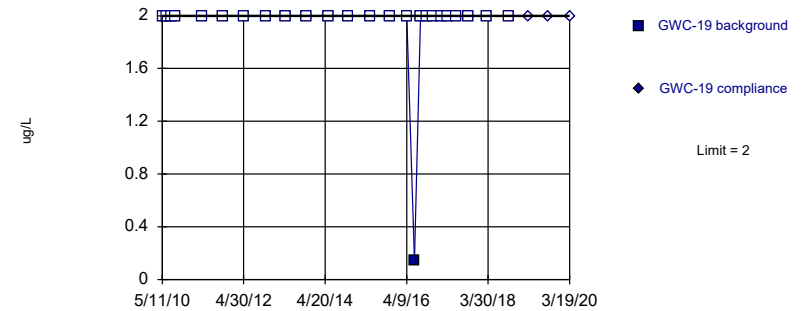


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

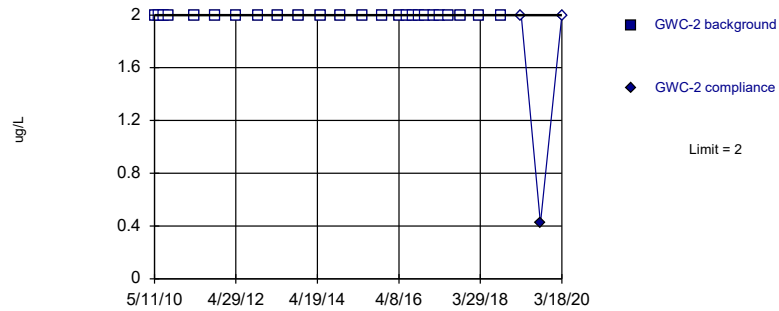


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

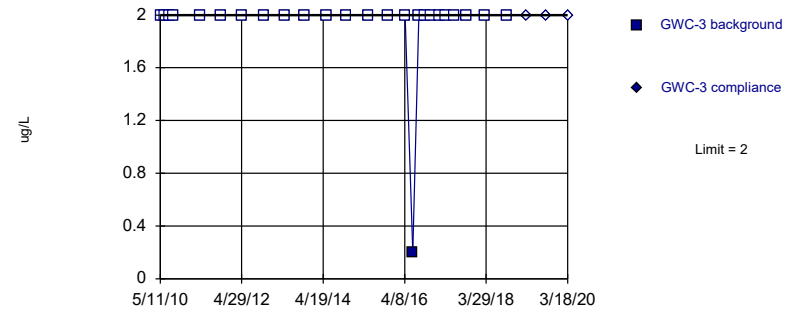


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

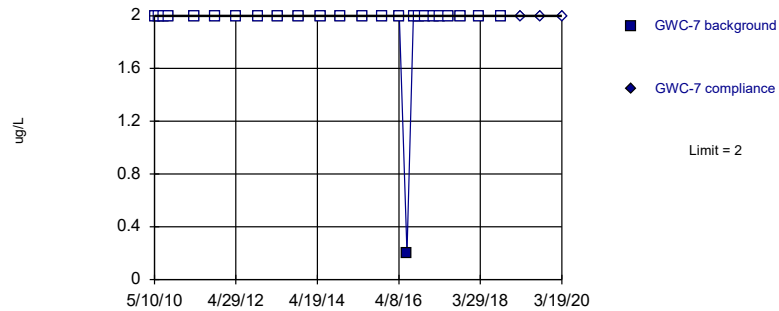


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

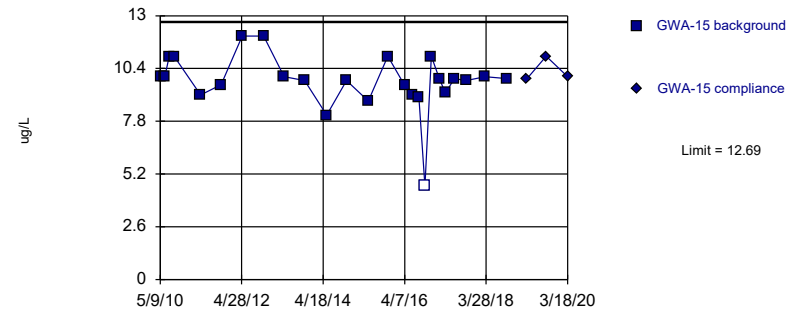


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

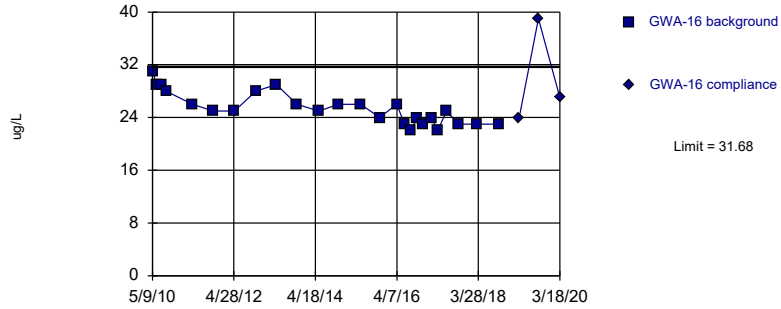


Background Data Summary (based on square transformation): Mean=97.35, Std. Dev.=24.78, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

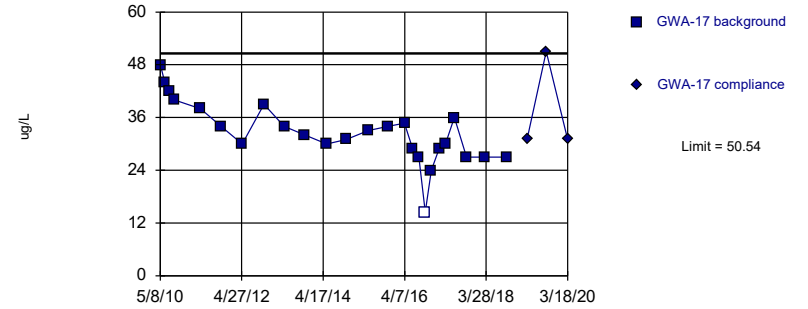


Background Data Summary: Mean=25.4, Std. Dev.=2.449, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9295, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

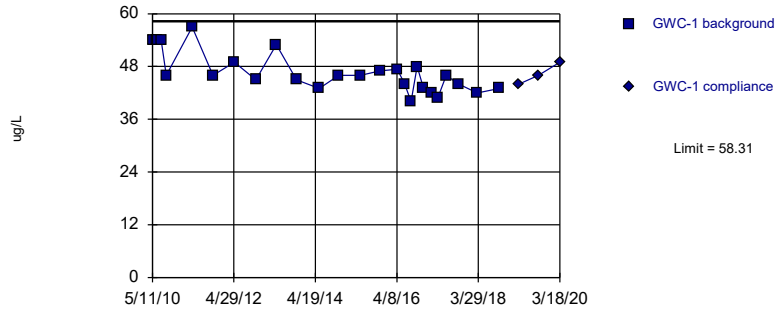


Background Data Summary: Mean=32.57, Std. Dev.=7.007, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9694, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

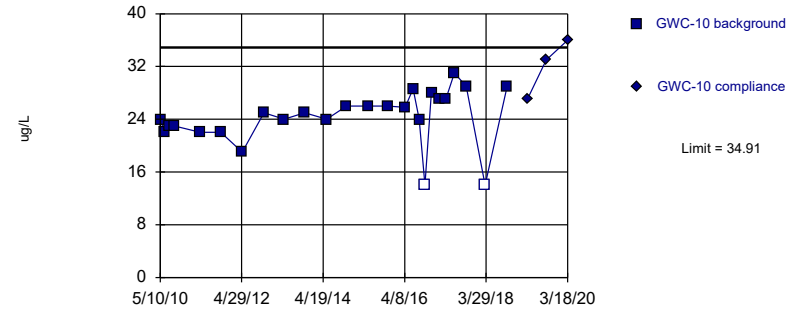


Background Data Summary: Mean=46.62, Std. Dev.=4.557, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



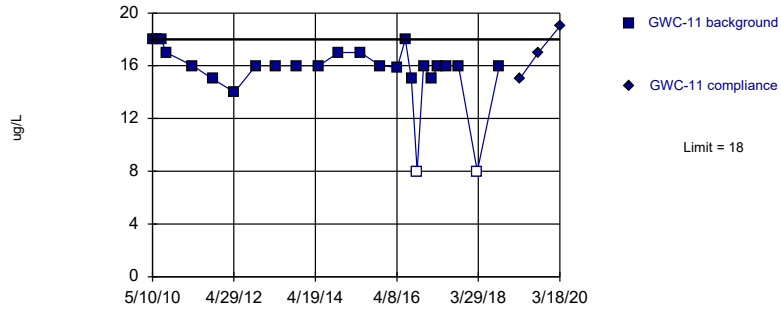
Background Data Summary: Mean=24.34, Std. Dev.=4.121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

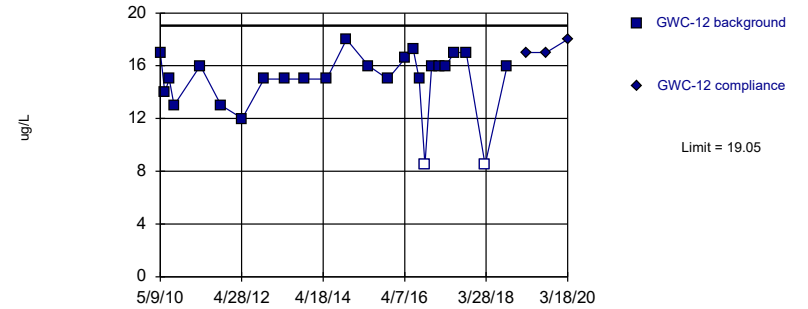


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 8% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

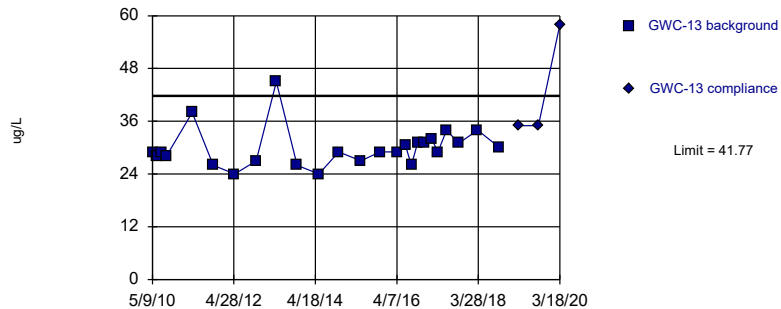


Background Data Summary (based on cube transformation): Mean=3545, Std. Dev.=1313, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

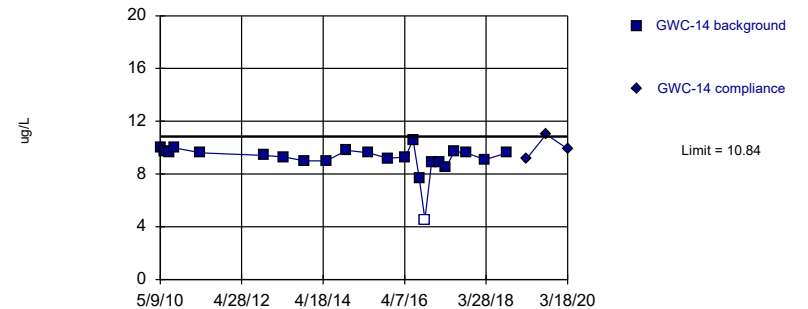


Background Data Summary (based on cube root transformation): Mean=3.096, Std. Dev.=0.1457, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

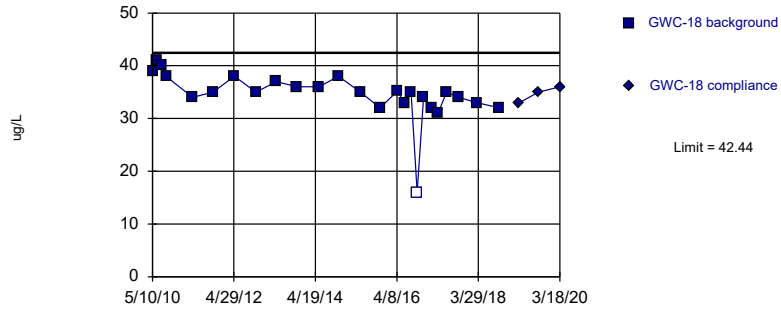


Background Data Summary (based on x^4 transformation): Mean=7548, Std. Dev.=2400, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9155, critical = 0.881. Kappa = 2.612 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

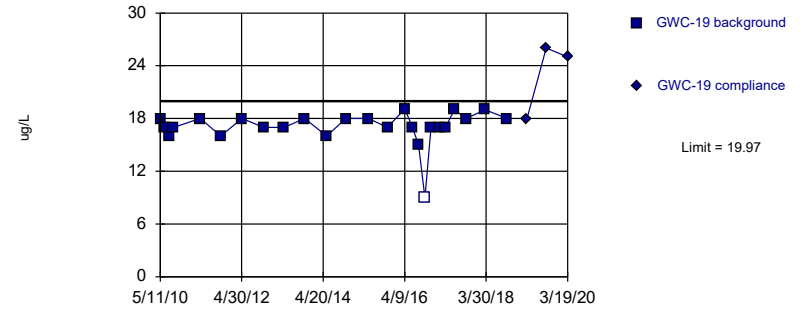


Background Data Summary (based on cube transformation): Mean=43231, Std. Dev.=12957, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

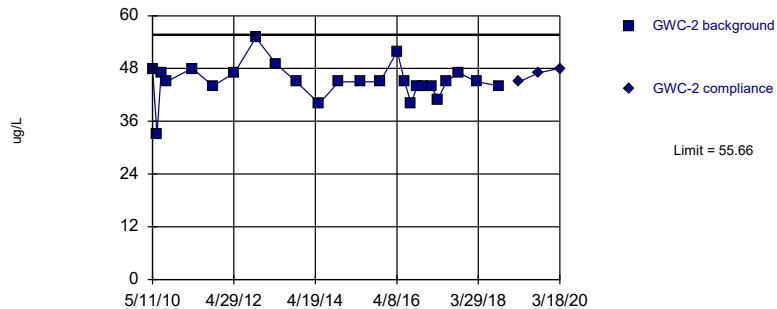


Background Data Summary (based on x^4 transformation): Mean=89561, Std. Dev.=27067, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

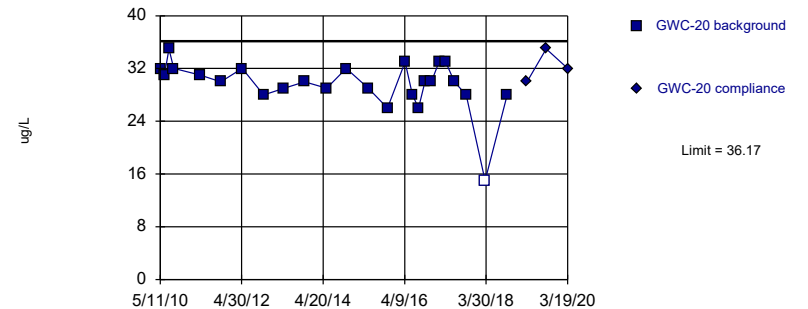


Background Data Summary: Mean=45.08, Std. Dev.=4.125, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9031, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

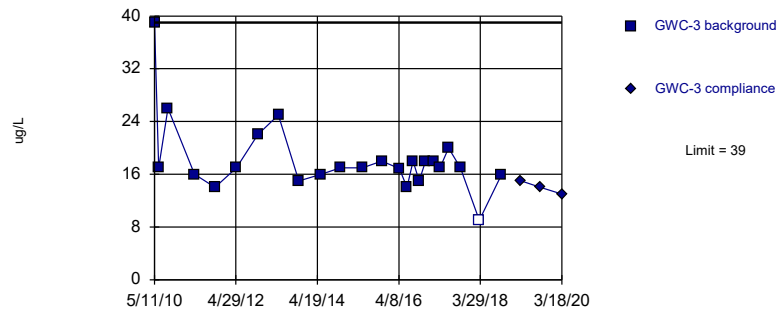


Background Data Summary (based on cube transformation): Mean=27034, Std. Dev.=7901, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

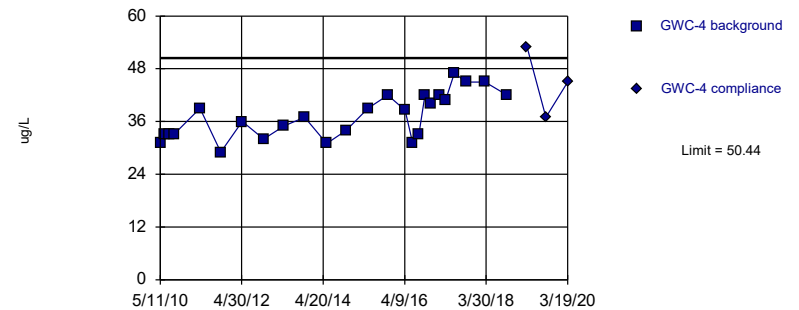


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

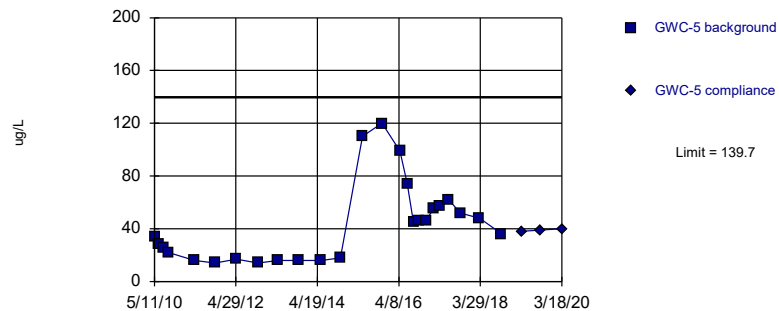


Background Data Summary: Mean=37.22, Std. Dev.=5.153, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

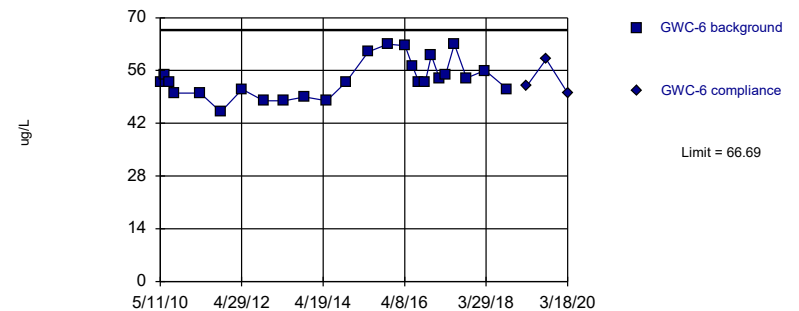


Background Data Summary (based on square root transformation): Mean=6.24, Std. Dev.=2.174, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9047, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

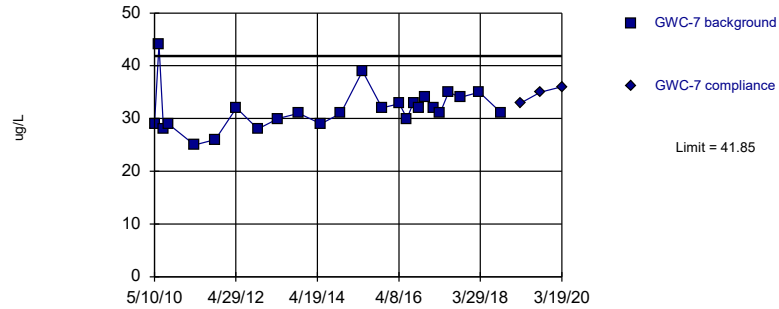


Background Data Summary: Mean=53.82, Std. Dev.=5.017, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

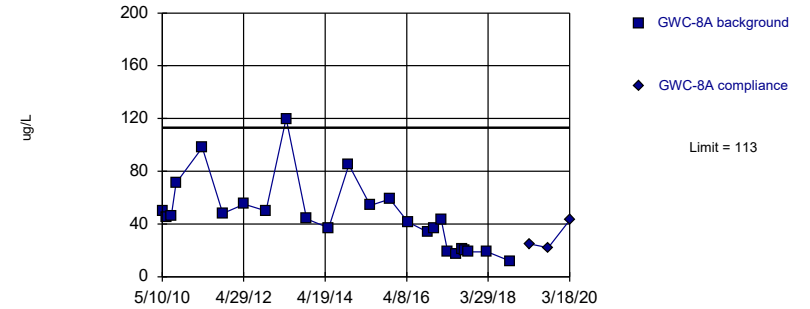


Background Data Summary: Mean=31.71, Std. Dev.=3.951, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9138, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

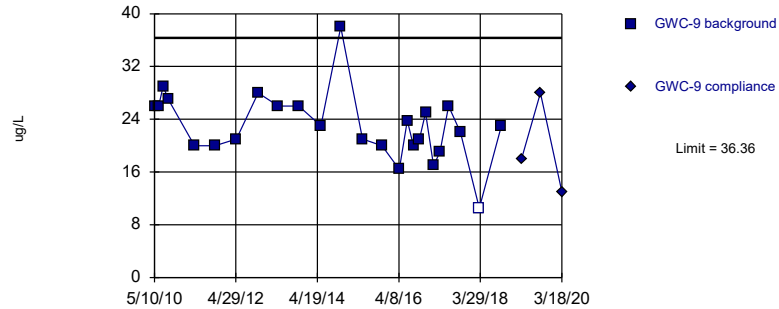


Background Data Summary: Mean=45.78, Std. Dev.=26.22, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:34 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

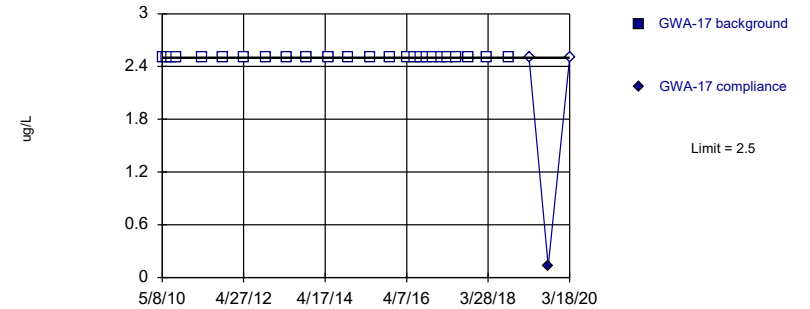


Background Data Summary: Mean=22.99, Std. Dev.=5.214, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

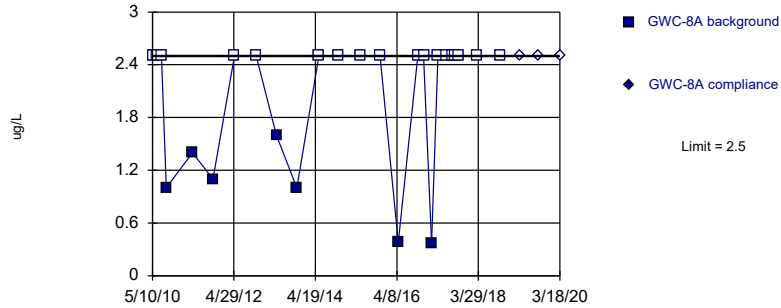


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

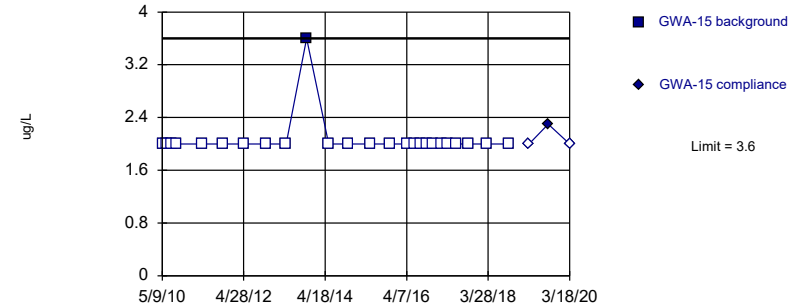


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

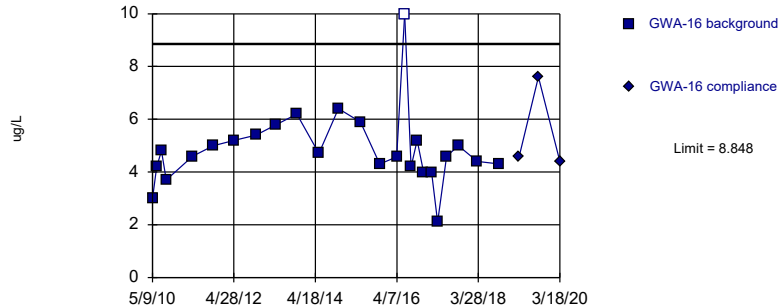


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

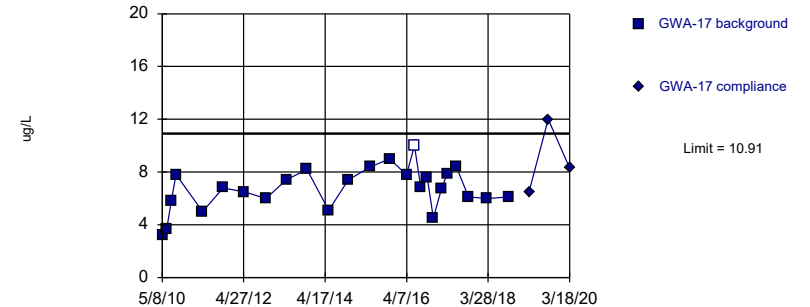


Background Data Summary (based on square root transformation): Mean=2.184, Std. Dev.=0.3081, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

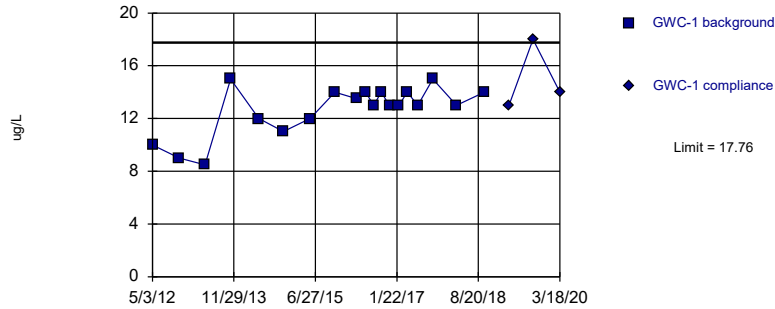


Background Data Summary: Mean=6.728, Std. Dev.=1.632, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

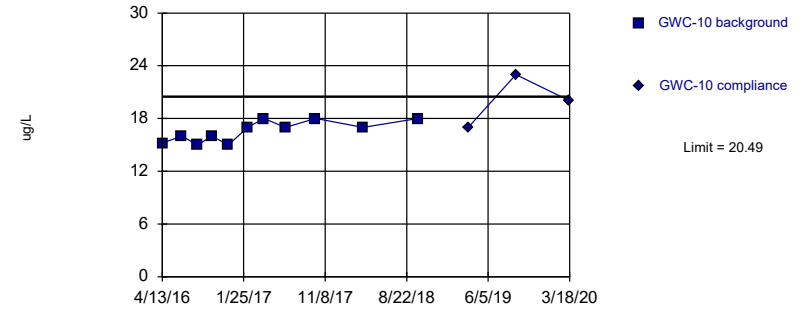


Background Data Summary: Mean=12.68, Std. Dev.=1.865, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.863. Kappa = 2.723 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

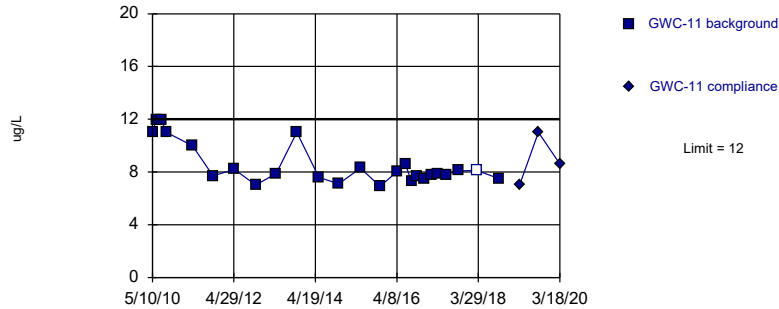


Background Data Summary: Mean=16.56, Std. Dev.=1.189, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8759, critical = 0.792. Kappa = 3.301 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

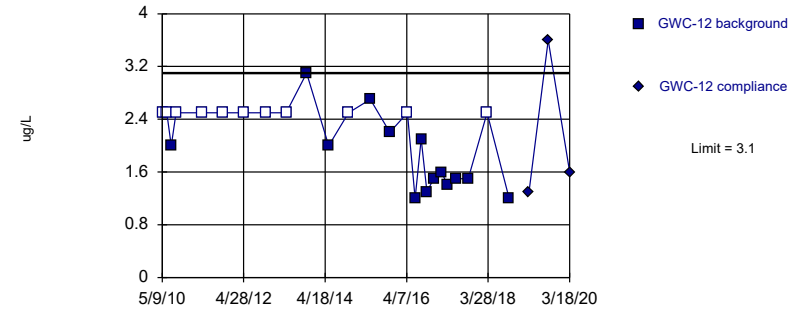


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 4% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

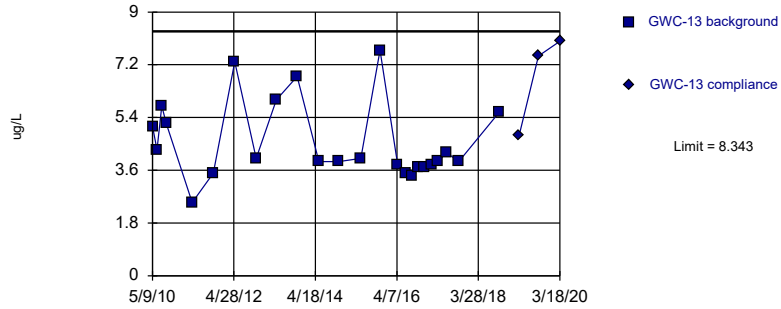


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 44% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

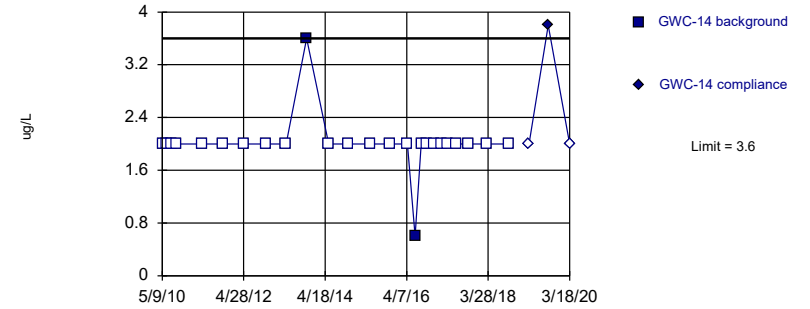


Background Data Summary (based on square root transformation): Mean=2.116, Std. Dev.=0.2984, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.589 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

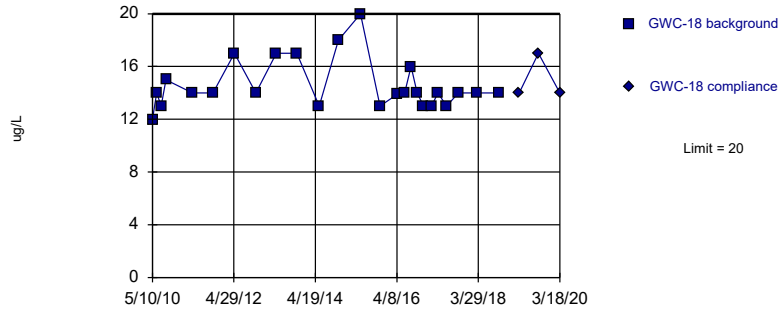


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

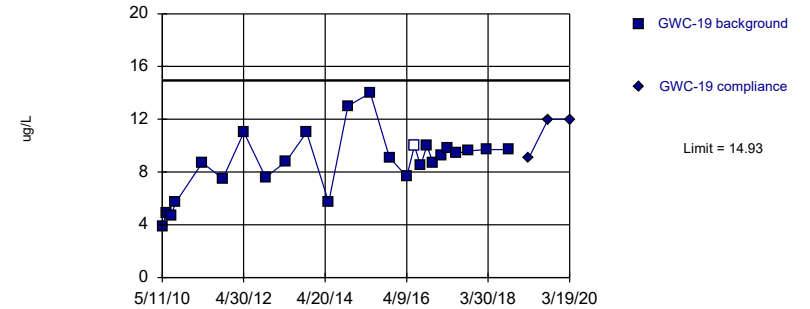


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



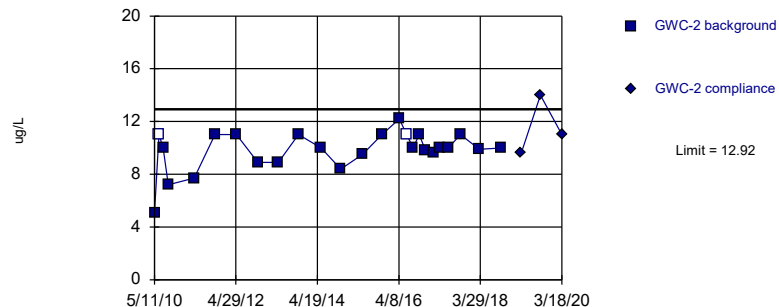
Background Data Summary: Mean=8.719, Std. Dev.=2.422, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9534, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Parametric



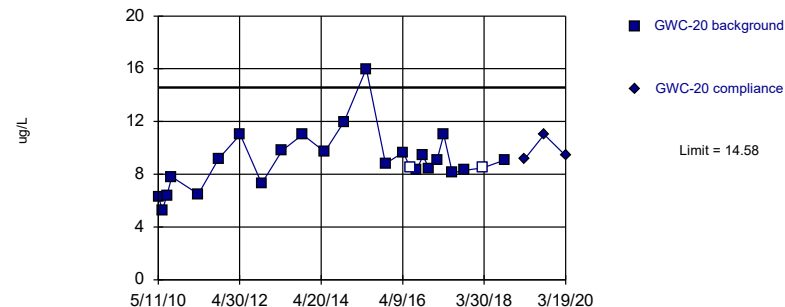
Background Data Summary (based on square transformation): Mean=98.38, Std. Dev.=26.78, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Parametric



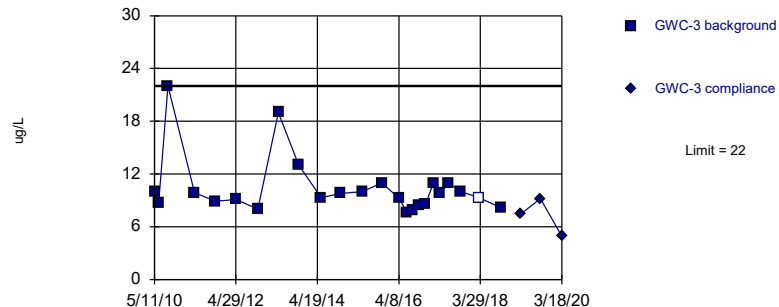
Background Data Summary: Mean=9.018, Std. Dev.=2.168, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Non-parametric



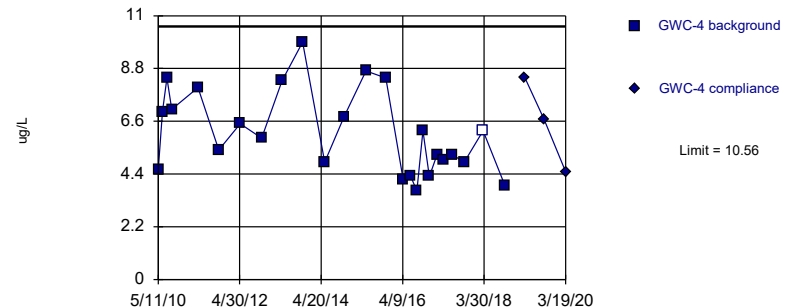
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Parametric



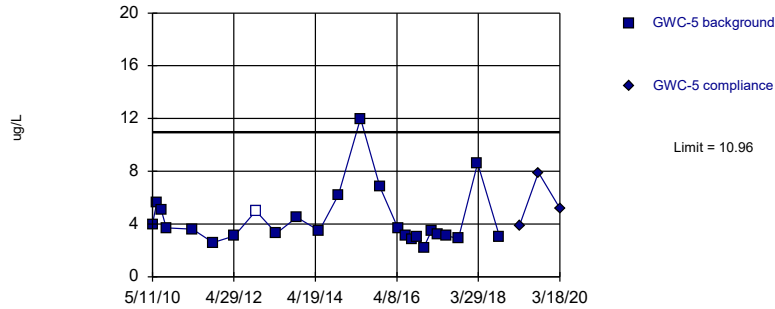
Background Data Summary: Mean=6.12, Std. Dev.=1.731, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

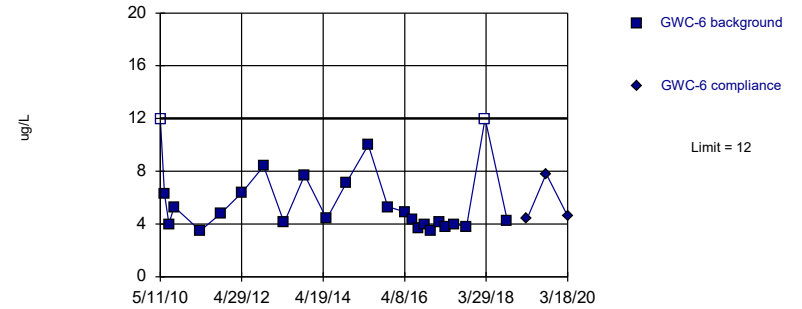


Background Data Summary (based on natural log transformation): Mean=1.377, Std. Dev.=0.3969, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8968, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

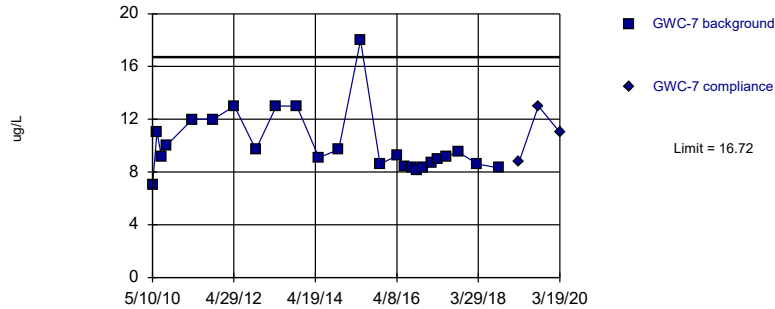


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 8% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

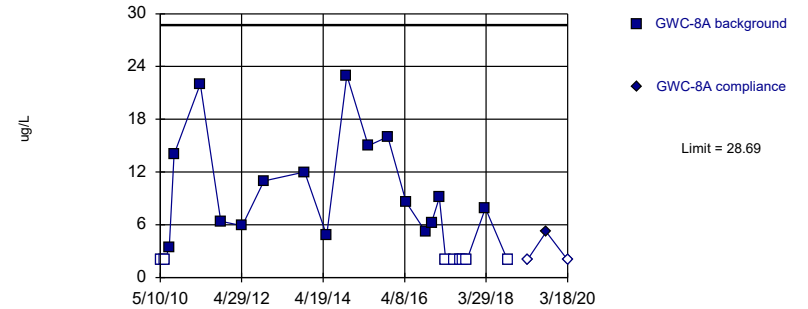


Background Data Summary (based on natural log transformation): Mean=2.284, Std. Dev.=0.2076, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

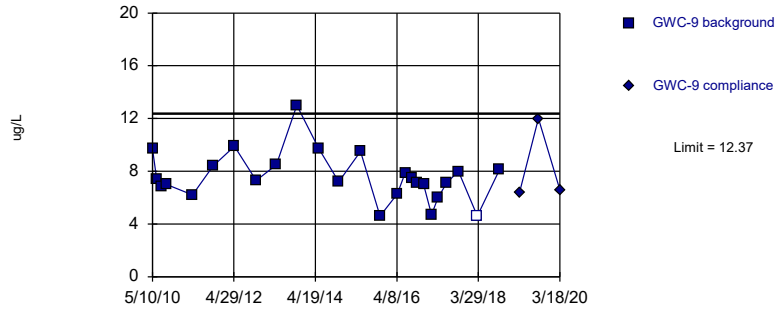


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=2.572, Std. Dev.=1.076, n=24, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8907, critical = 0.884. Kappa = 2.589 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

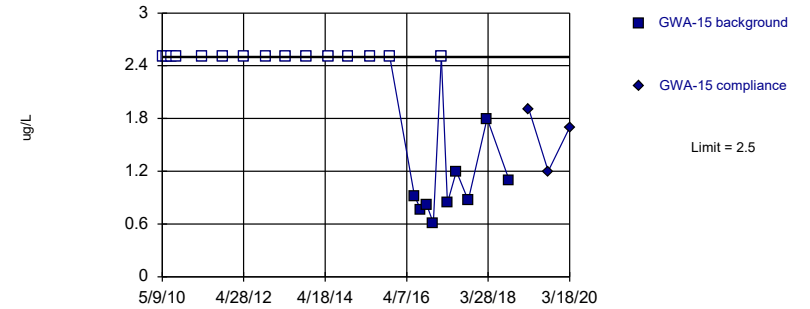


Background Data Summary: Mean=7.579, Std. Dev.=1.867, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

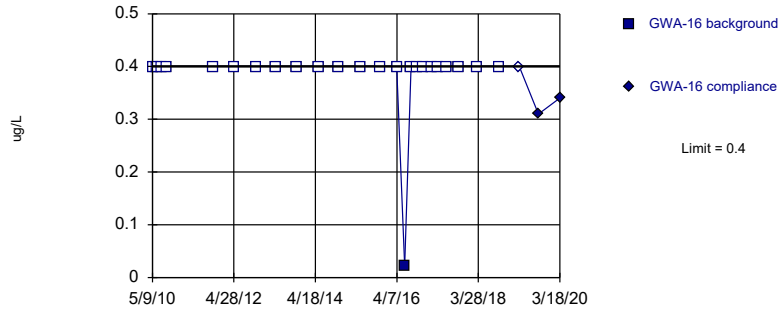


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

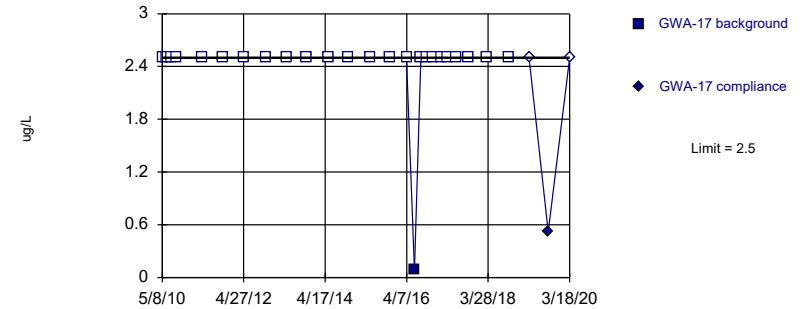


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

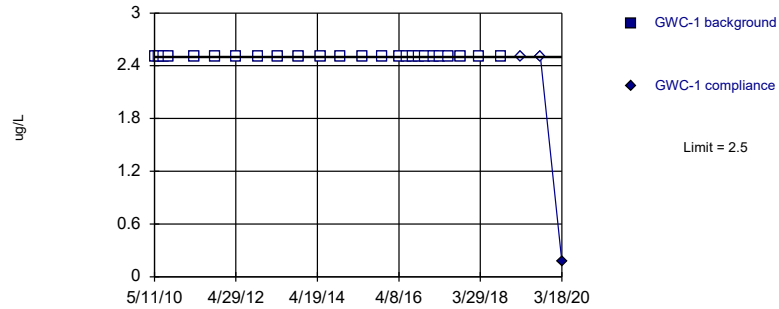


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

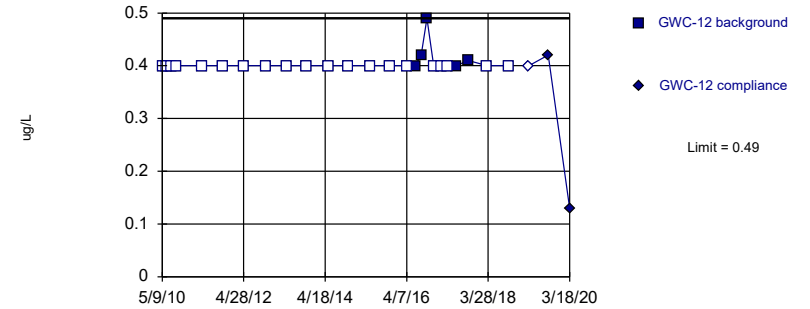


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

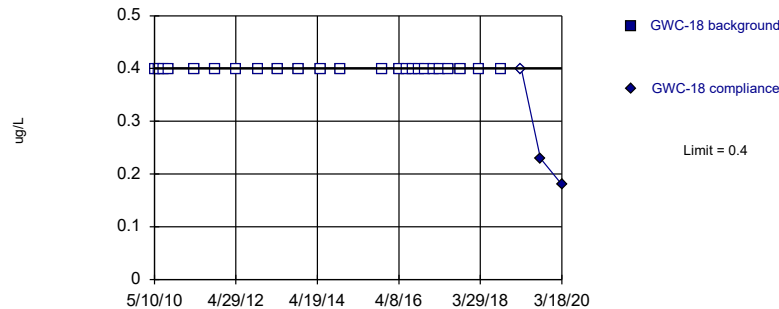


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

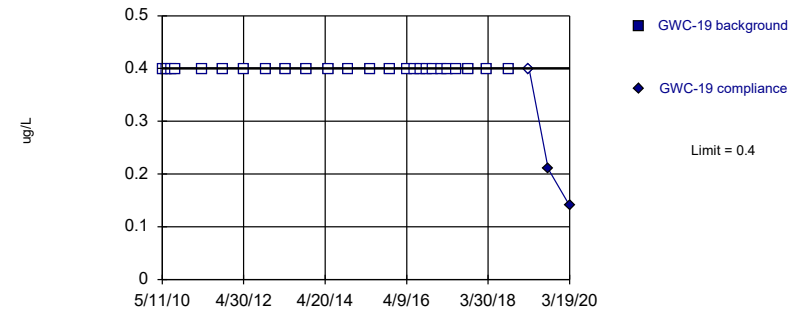


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

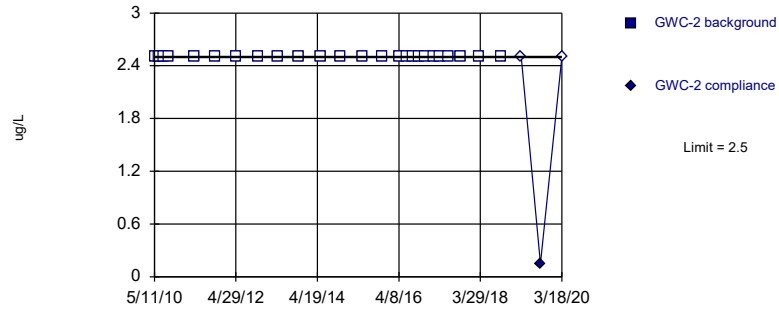


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

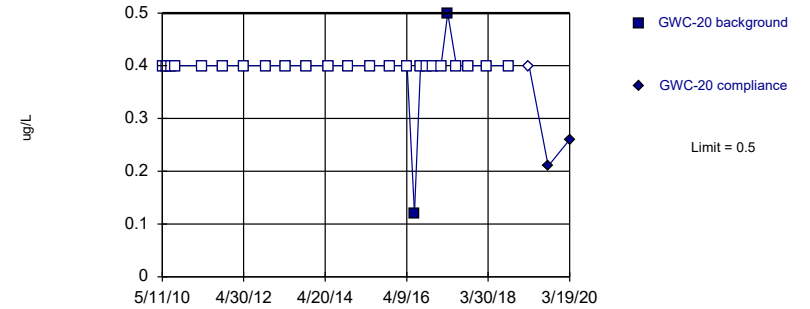


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

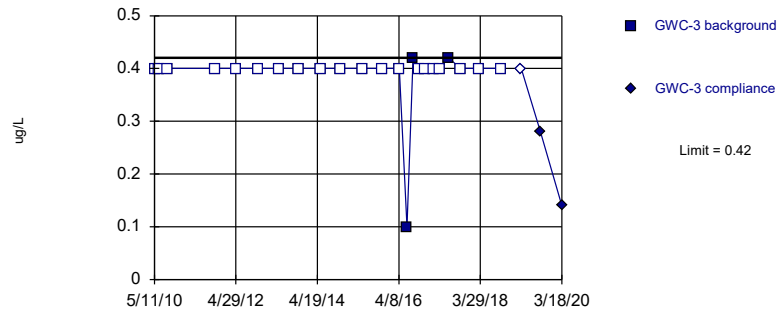


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

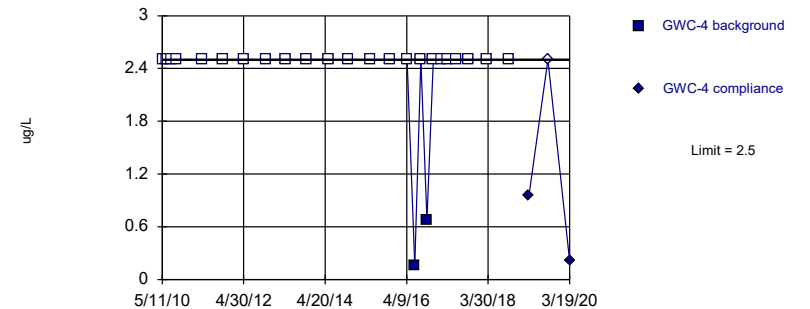


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

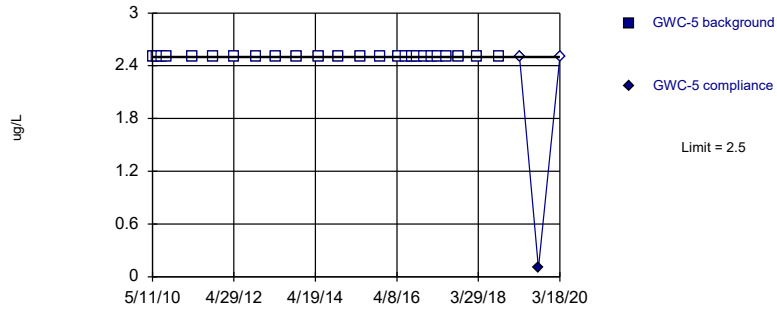


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

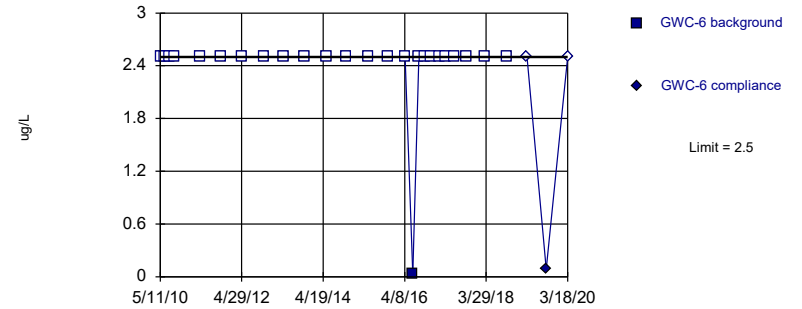


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

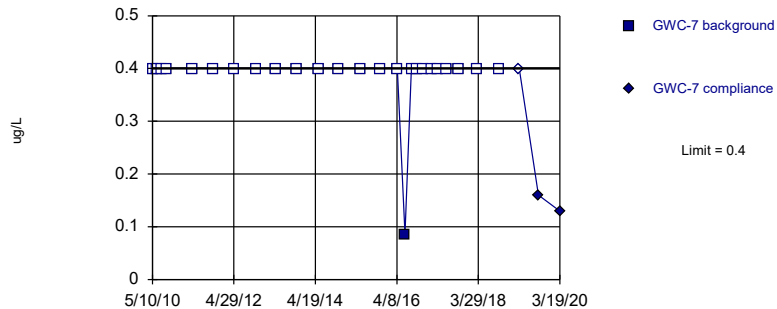


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

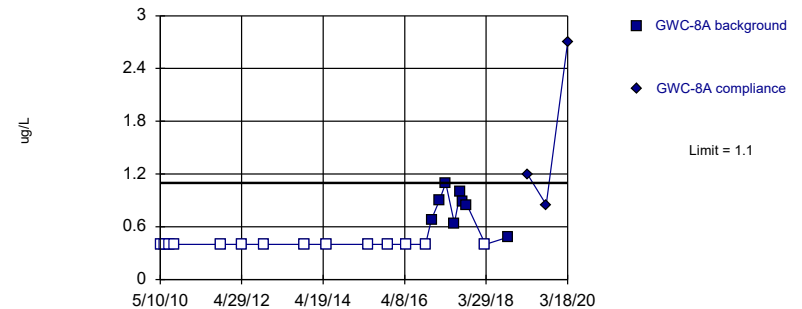


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
 Intrawell Non-parametric

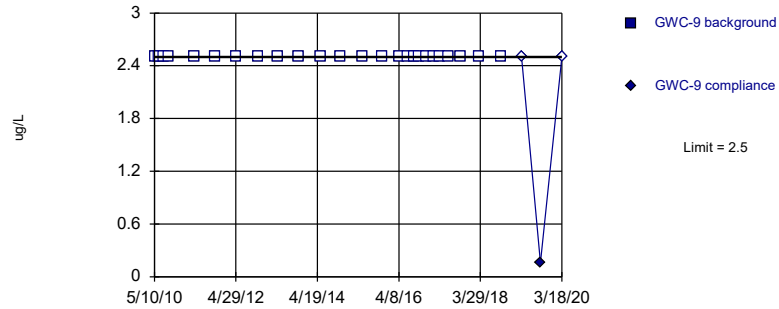


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

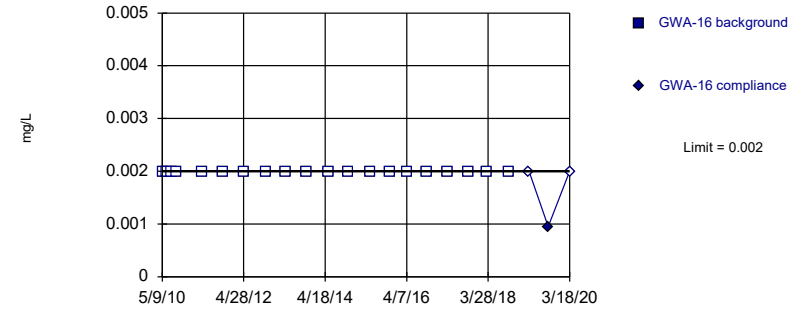


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

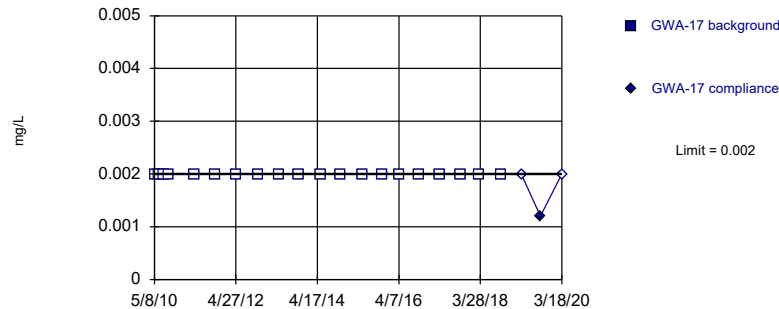


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

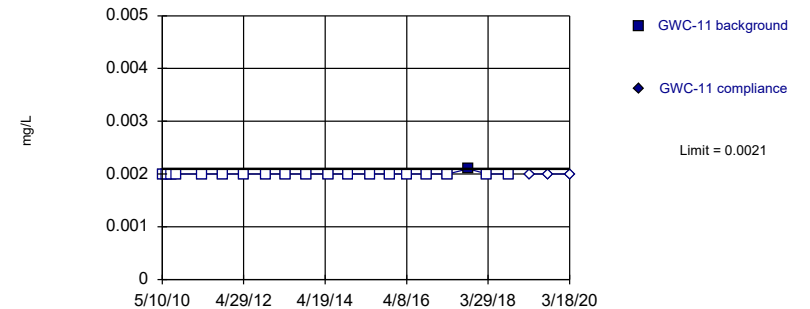


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

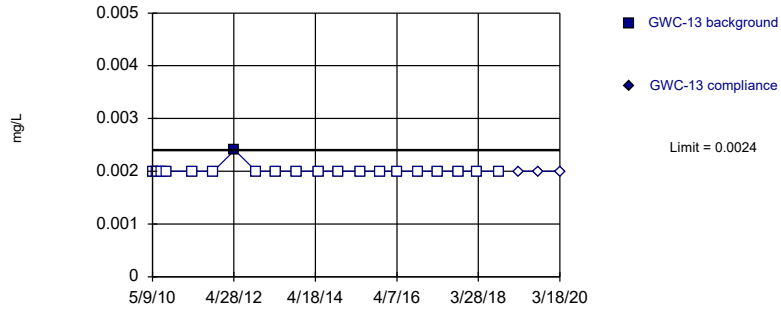


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

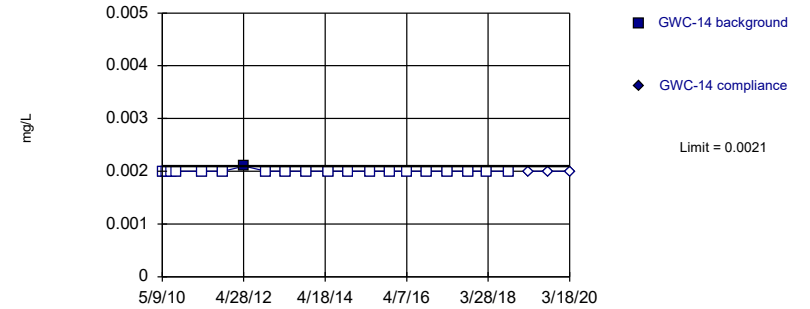


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

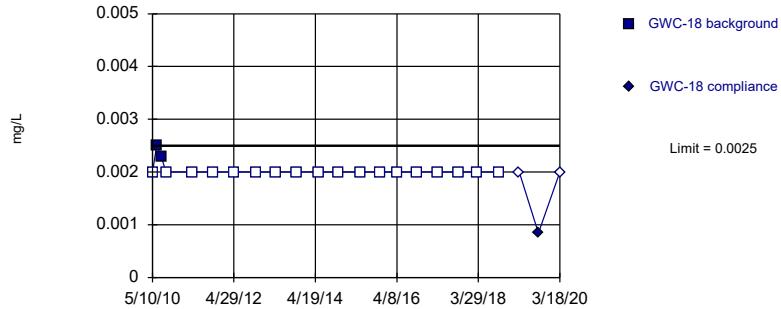


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

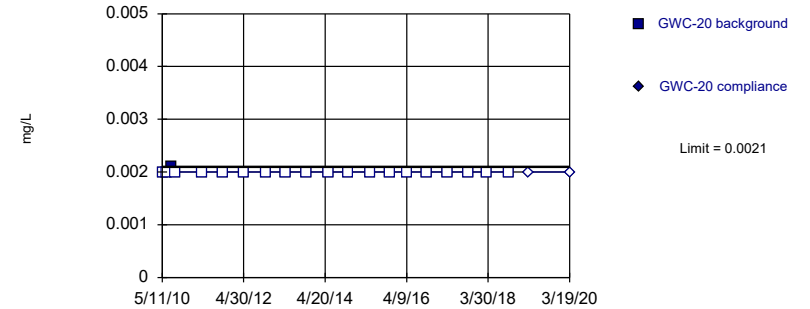


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

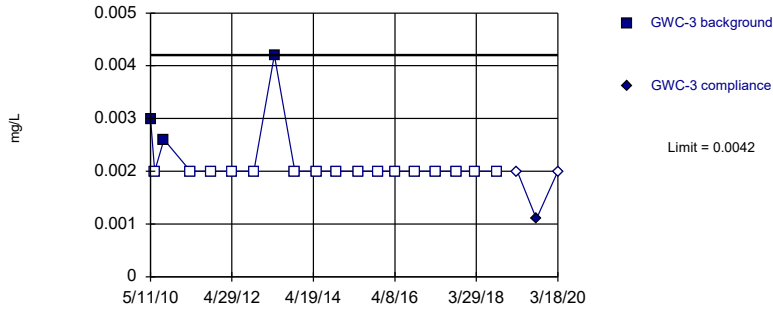


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

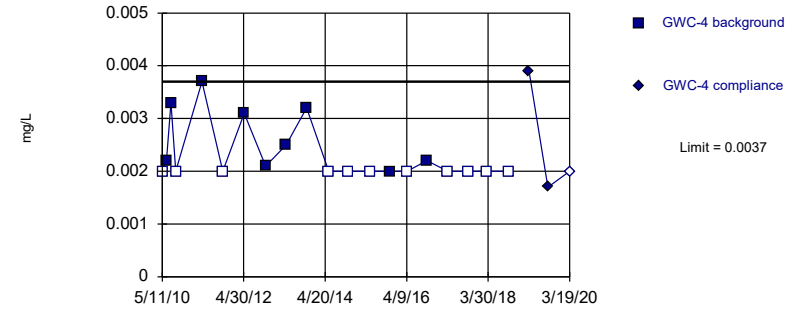


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

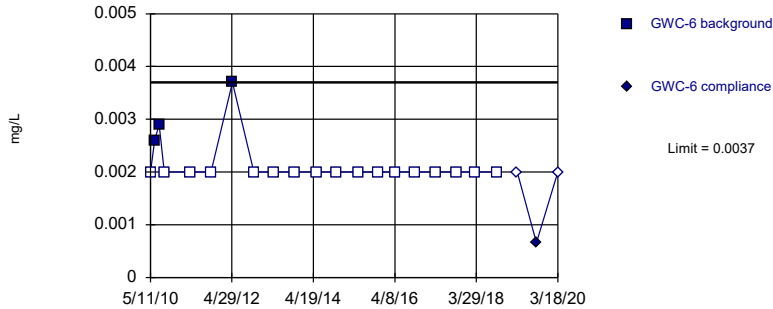


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

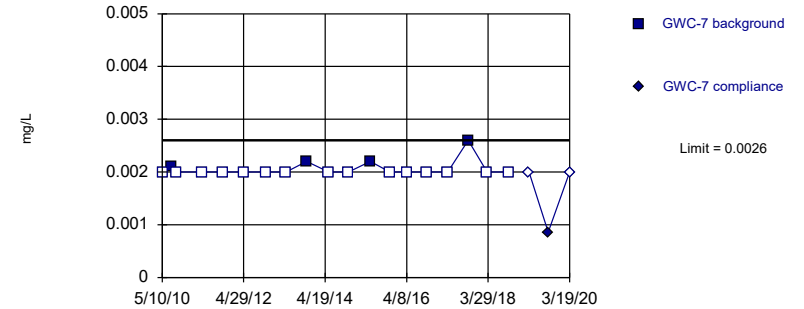


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



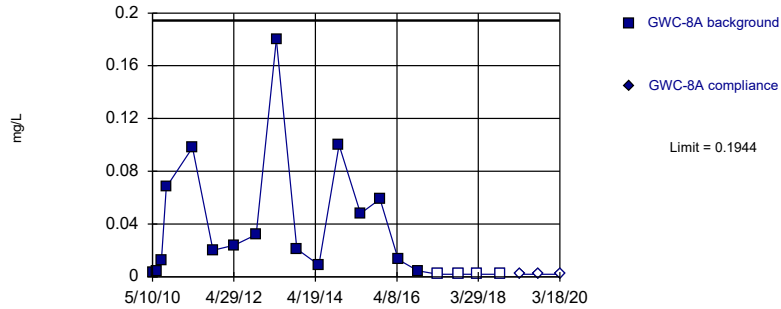
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

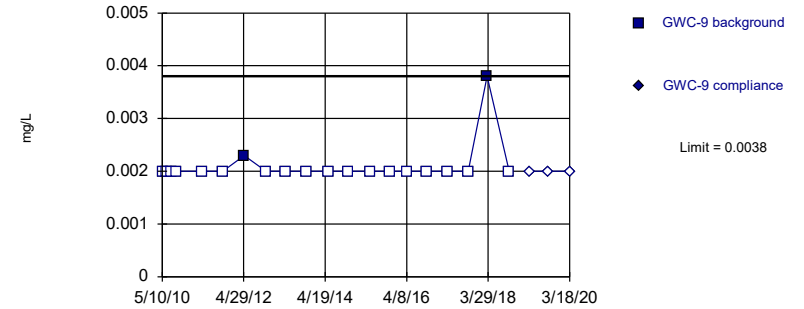


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1545, Std. Dev.=0.1068, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

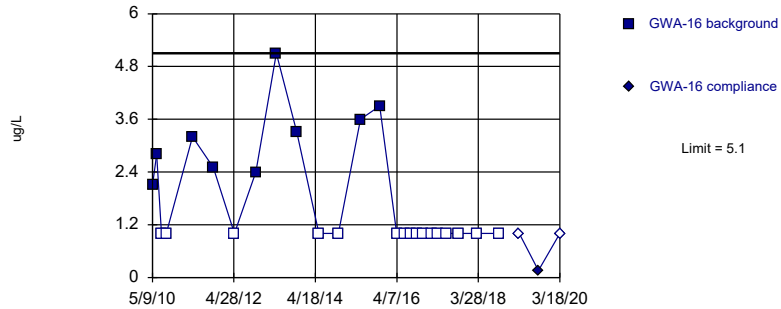


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

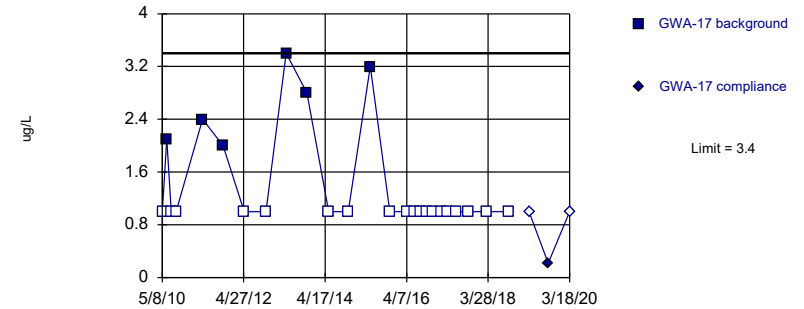


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

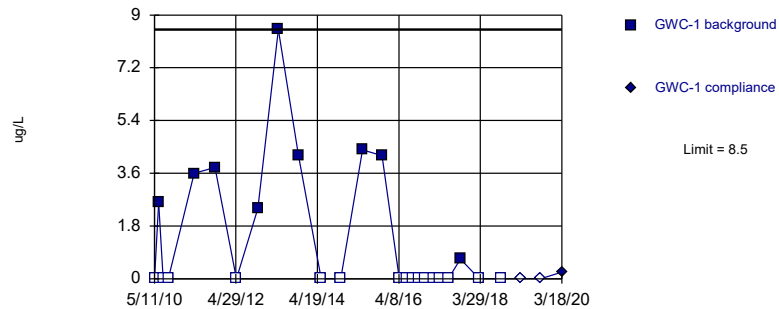


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

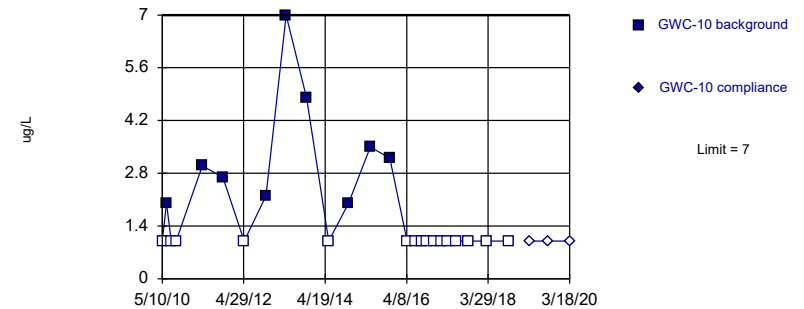


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

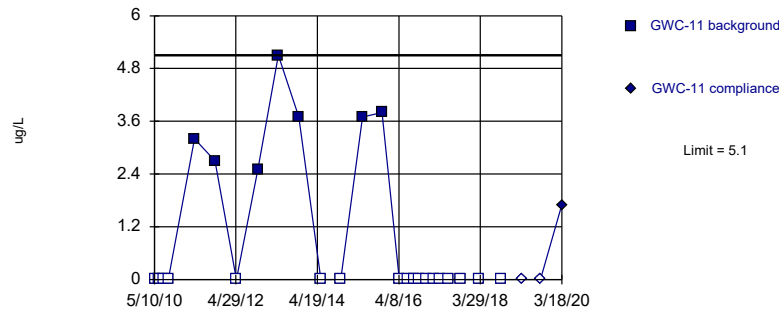


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

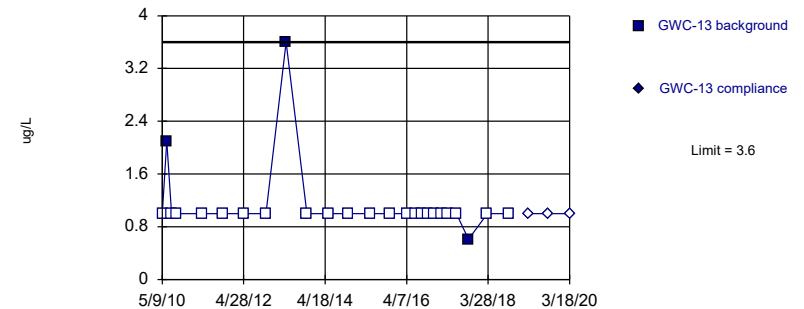


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

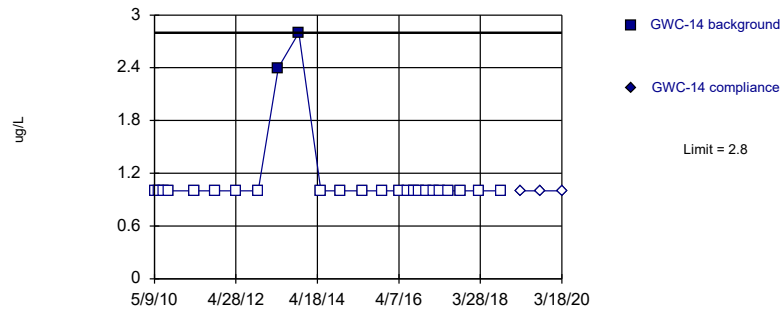


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

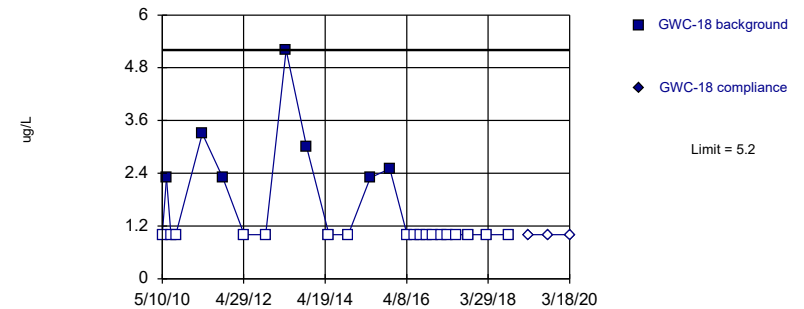


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

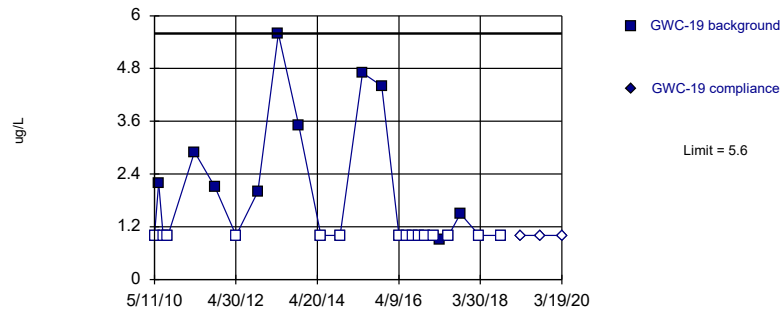


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

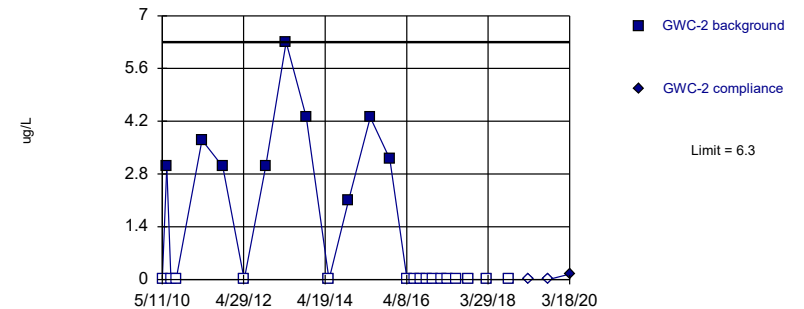


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 60% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



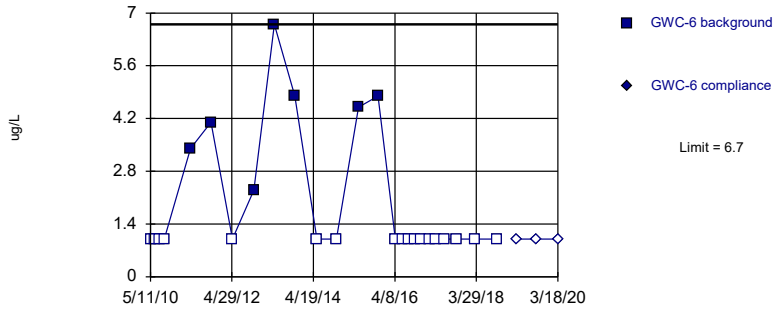
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

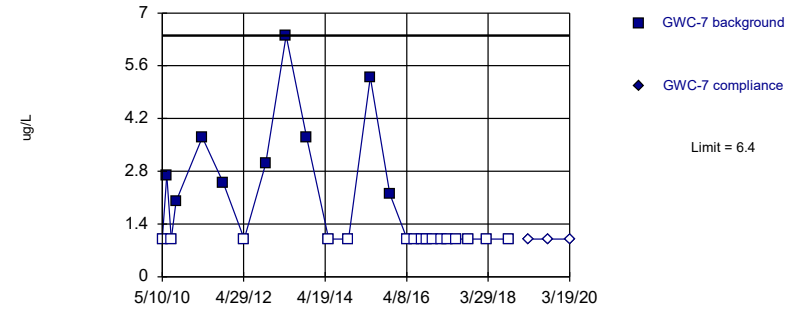


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

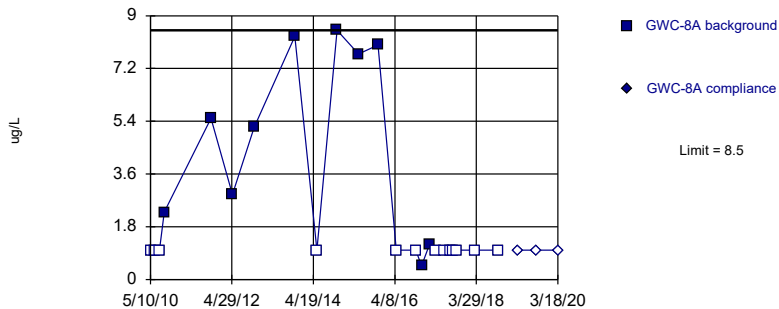


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

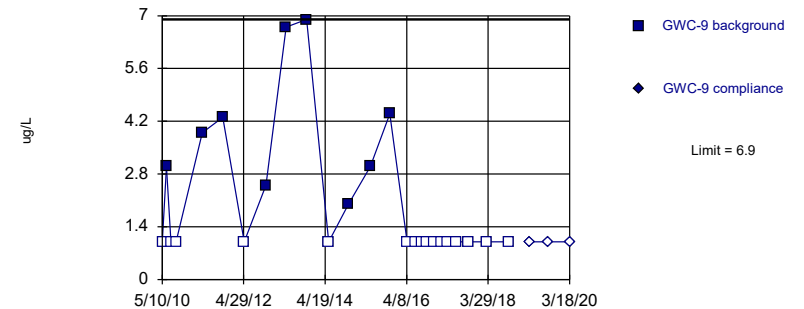


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

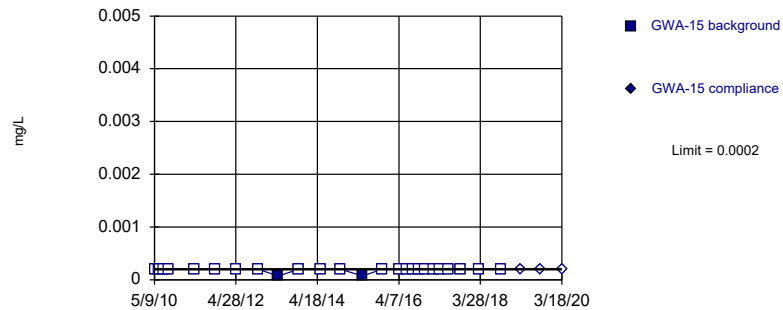


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

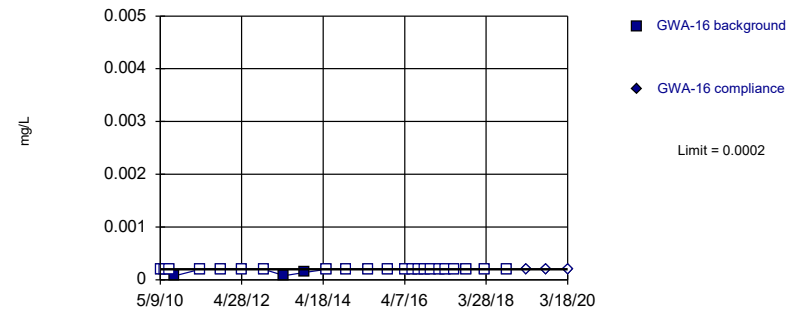


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

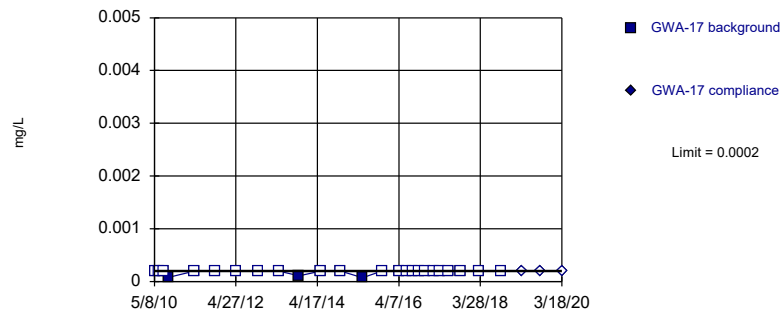


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

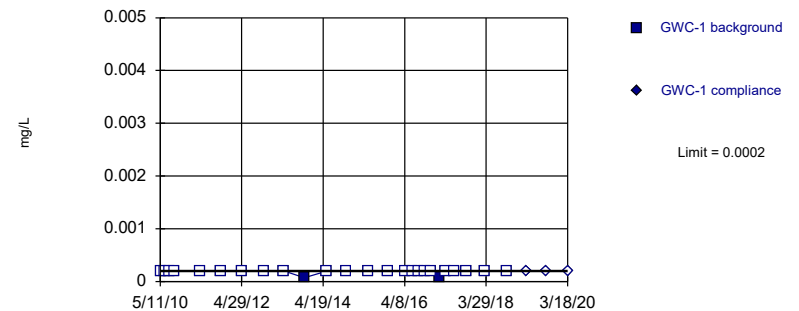


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

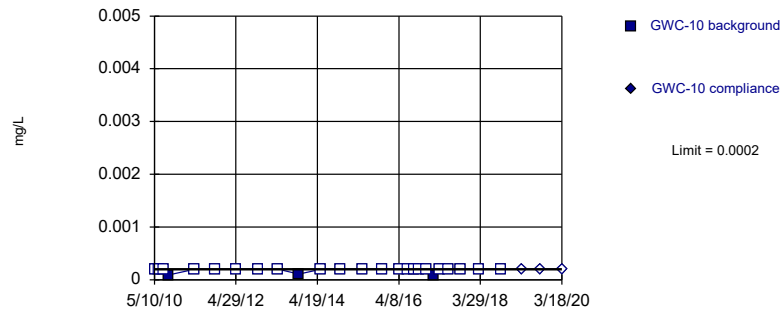


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

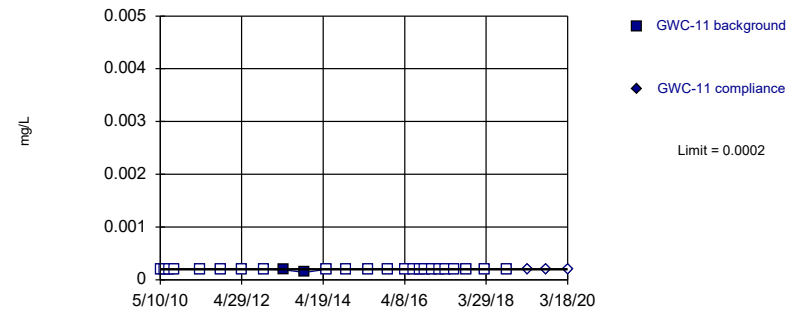


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

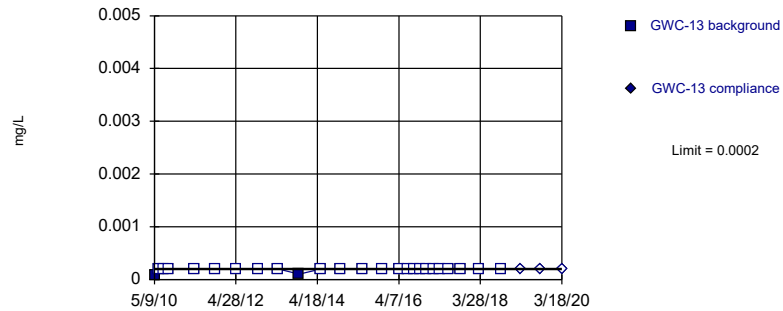


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

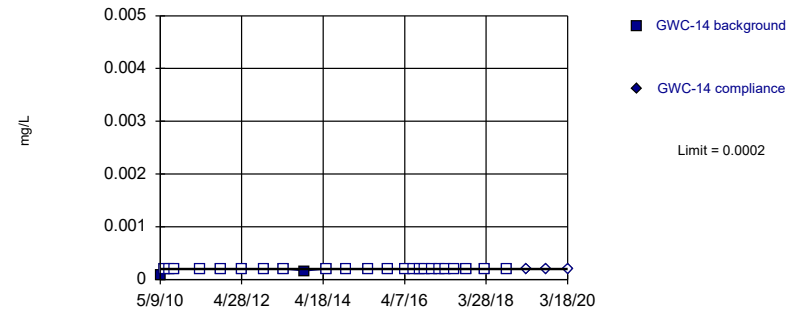


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

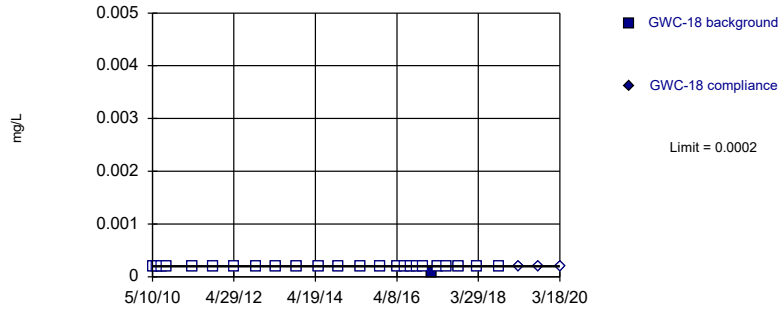


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

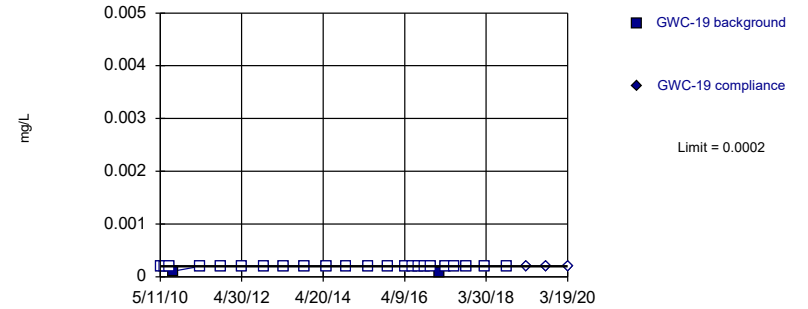


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

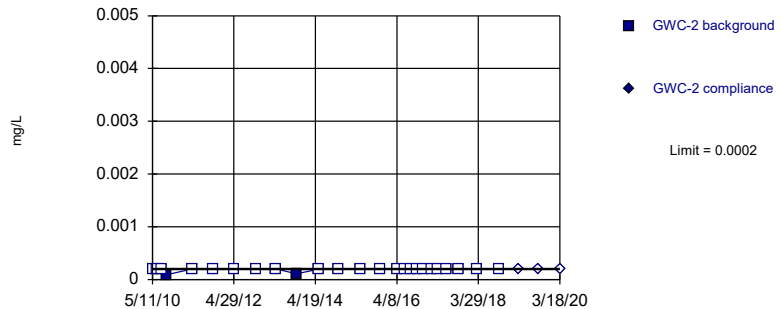


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

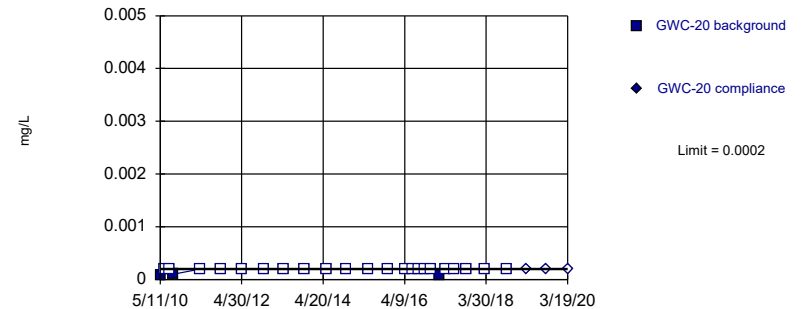


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



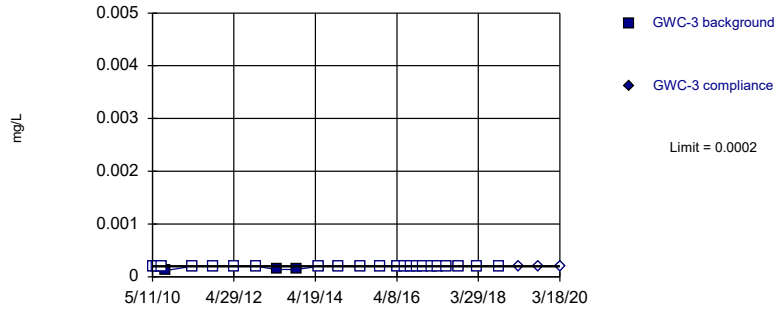
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

### Prediction Limit Intrawell Non-parametric

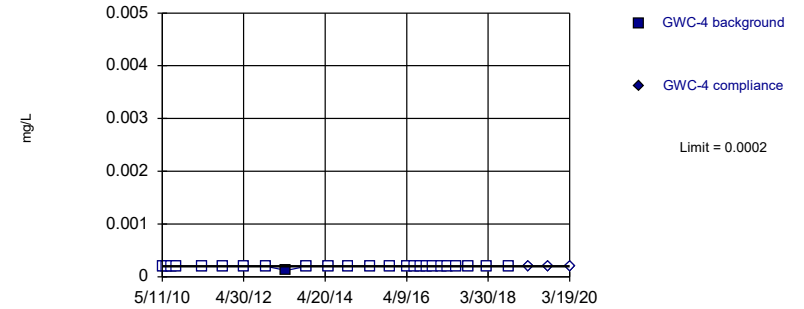


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

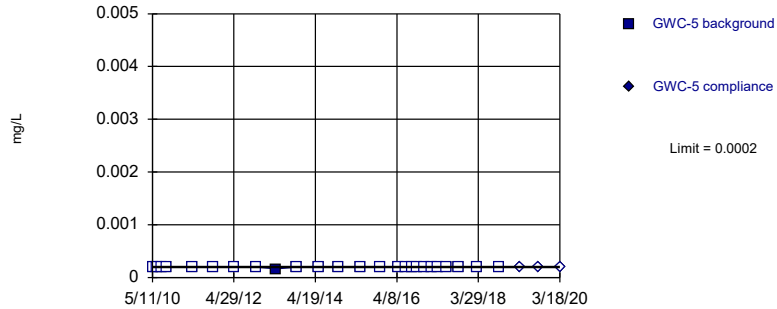


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

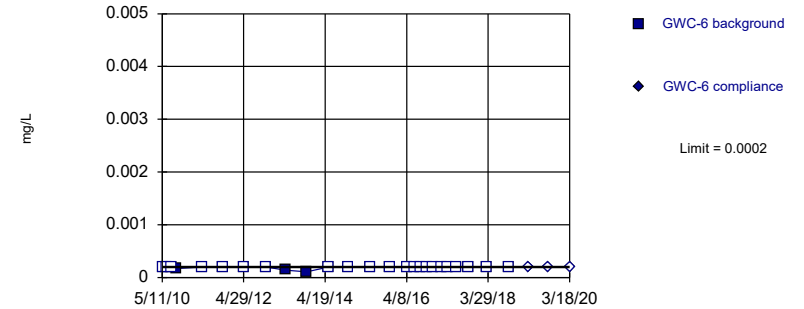


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

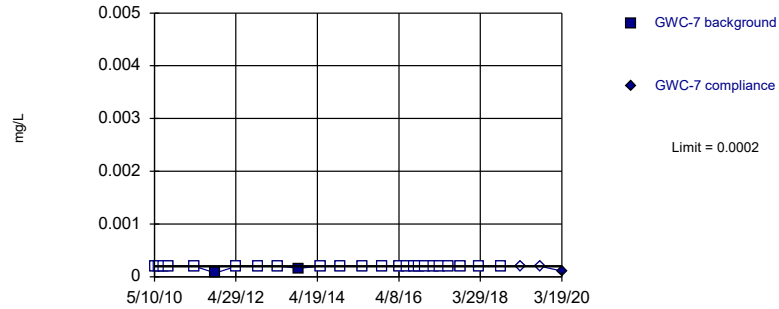


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

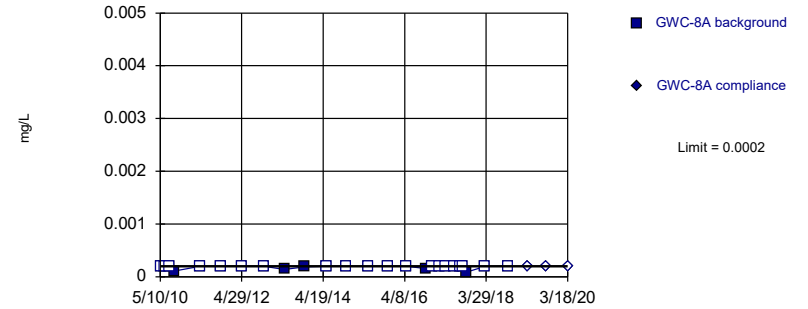


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

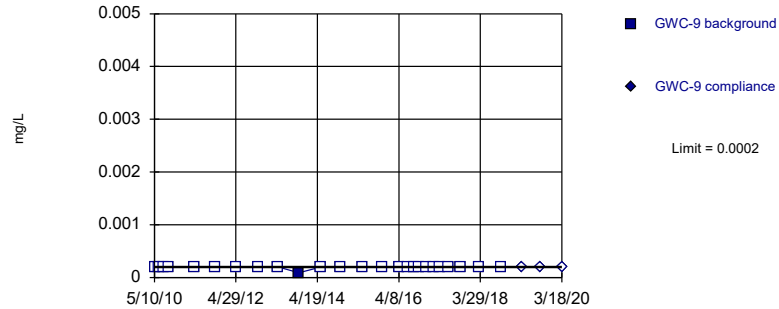


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

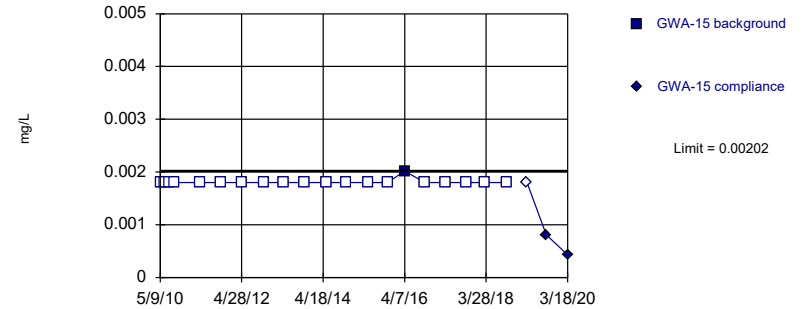


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

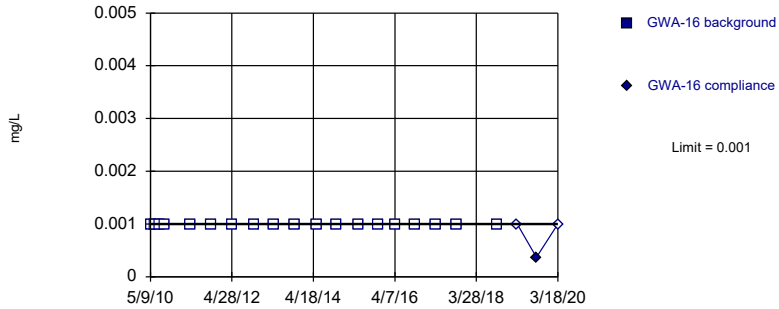


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

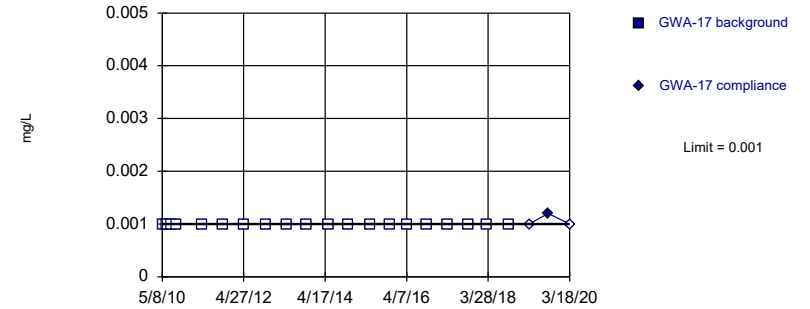


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

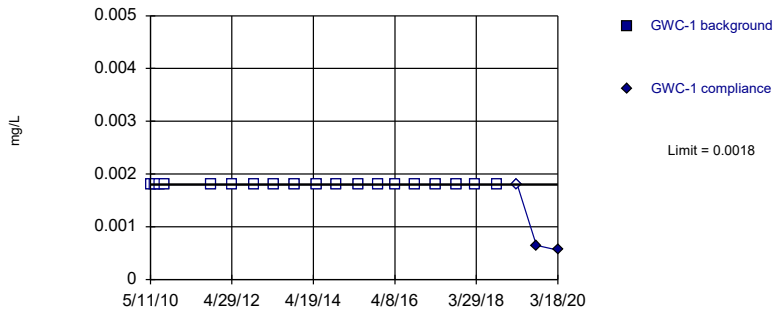


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

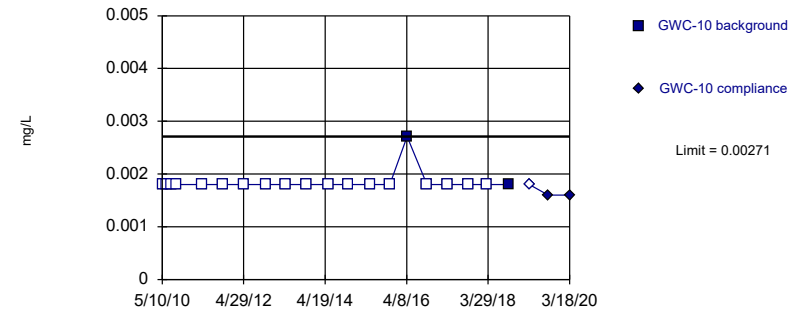


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

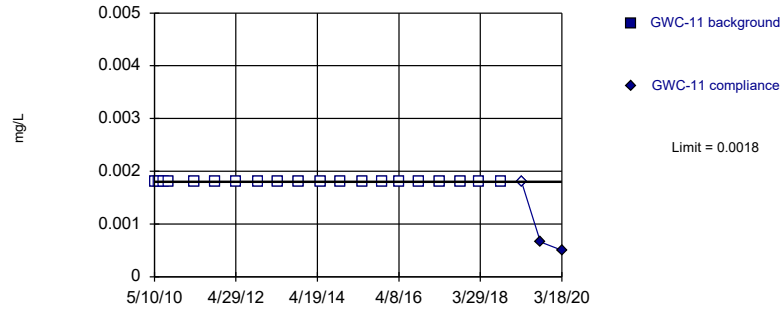


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

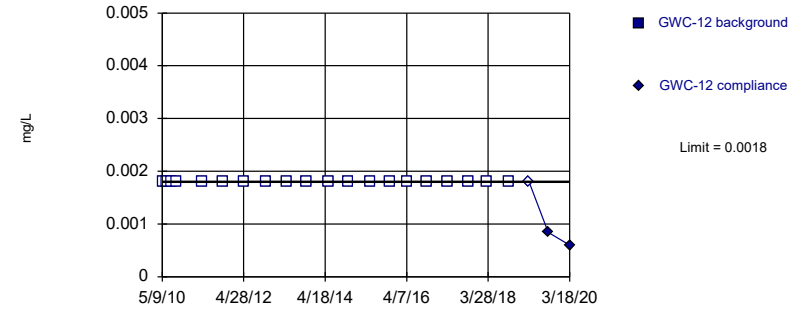


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

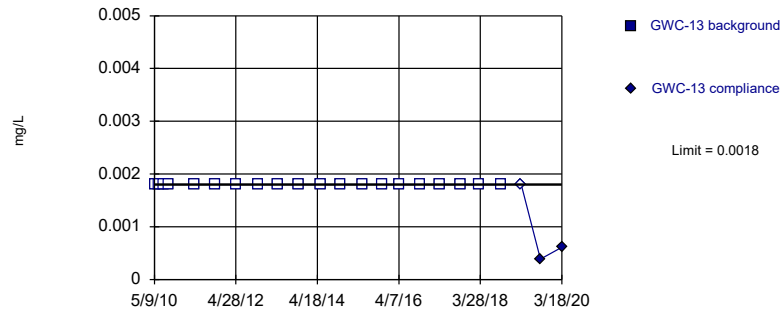


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

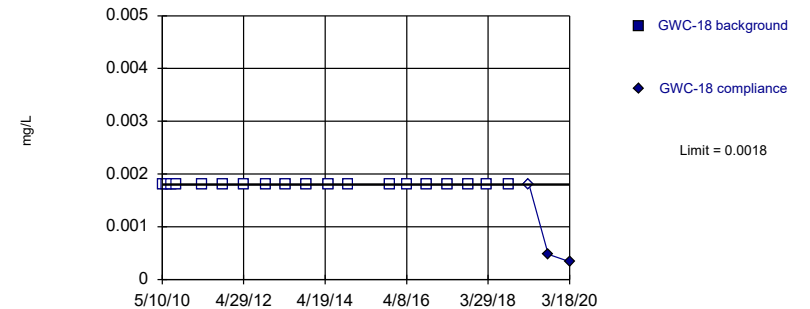


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

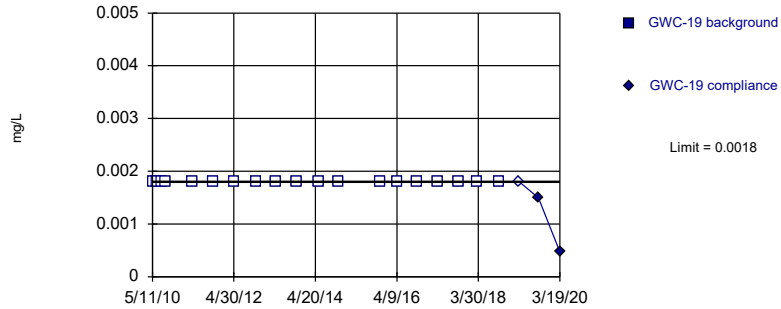


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

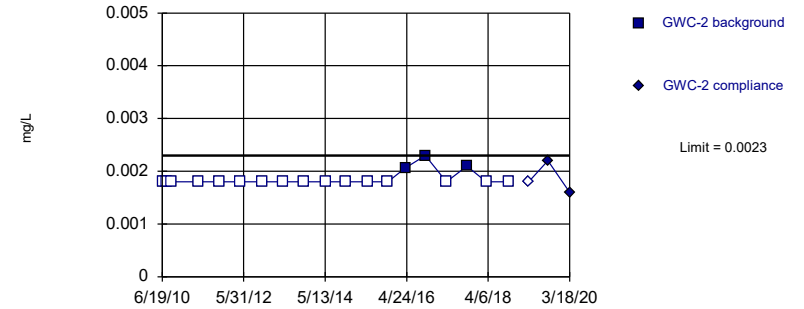


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

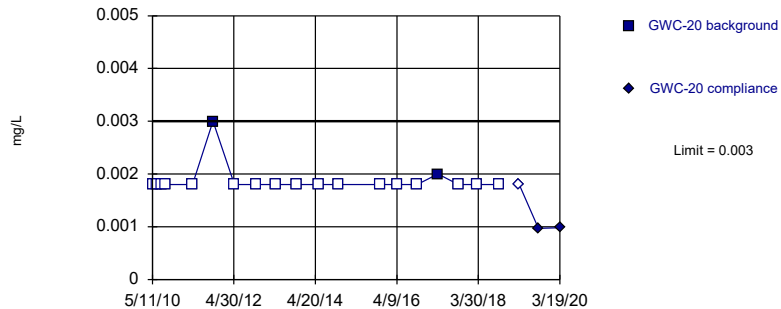


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

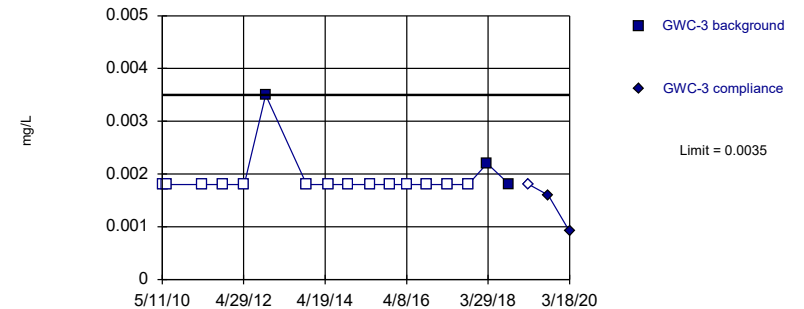


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

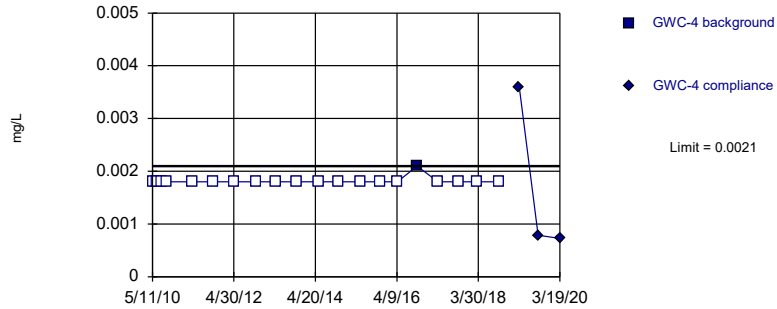


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

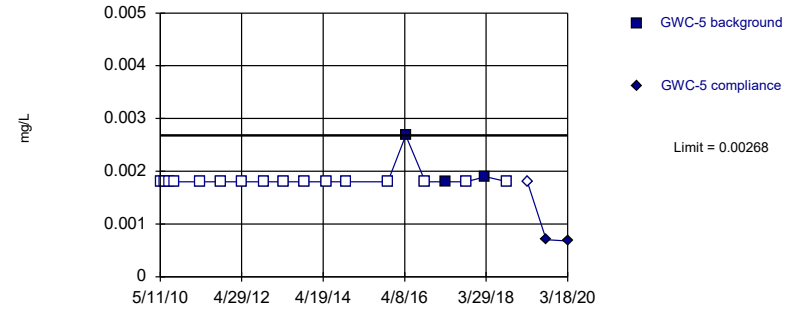


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

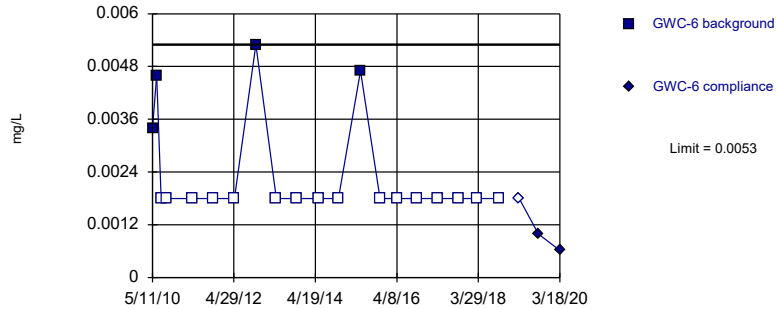


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

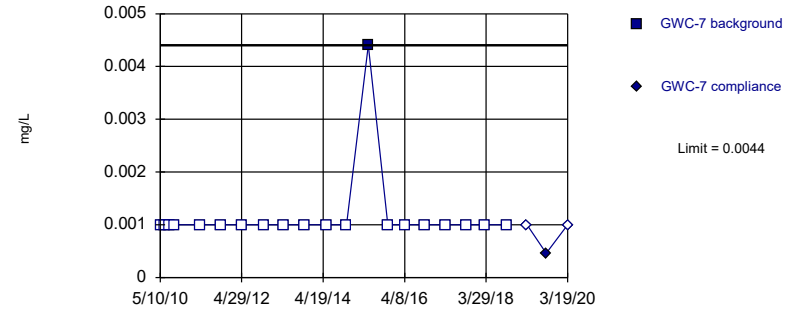


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

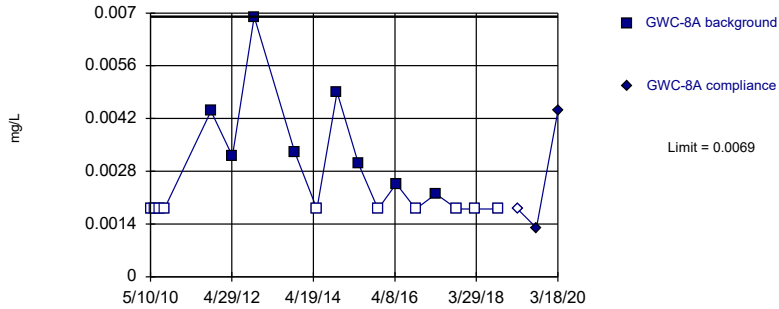


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

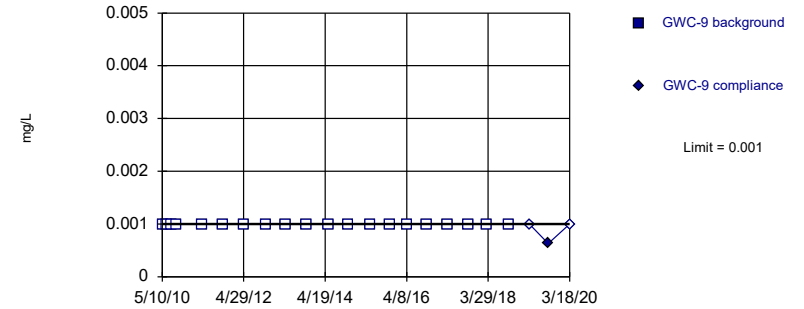


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

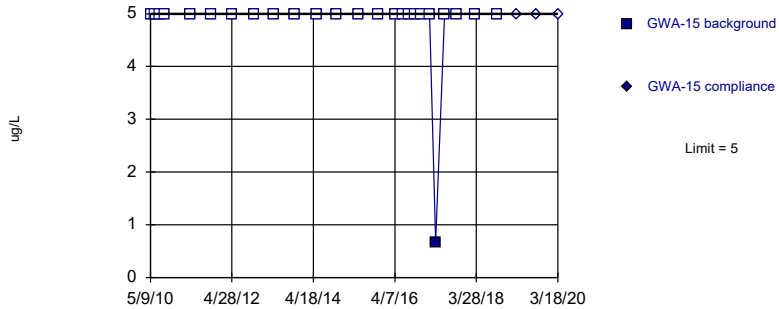


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

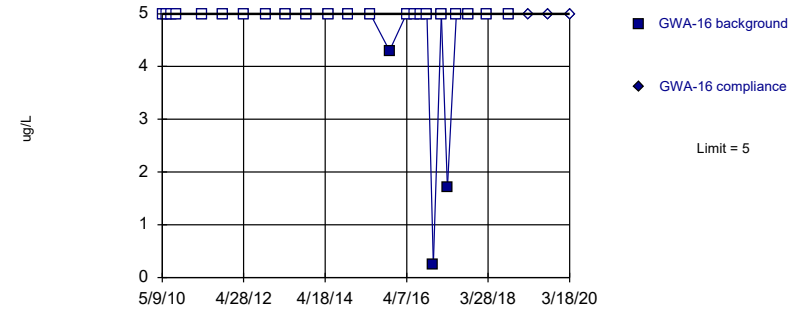


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

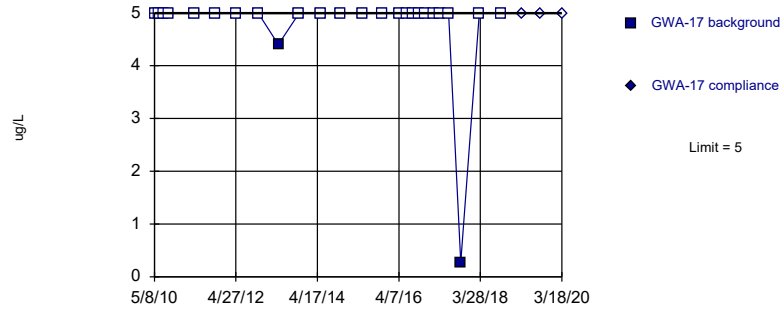


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

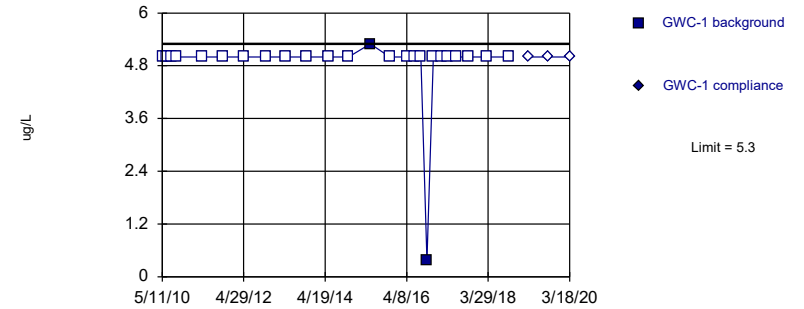


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

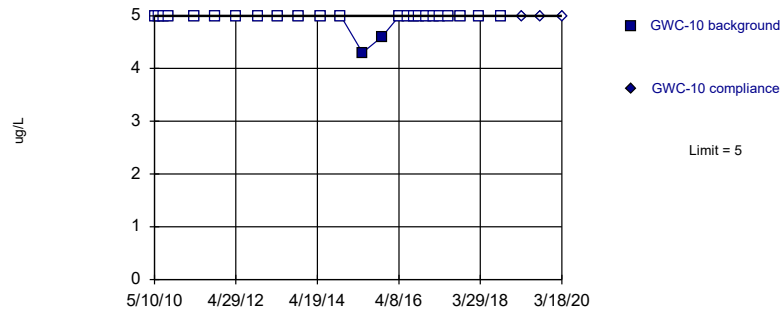


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

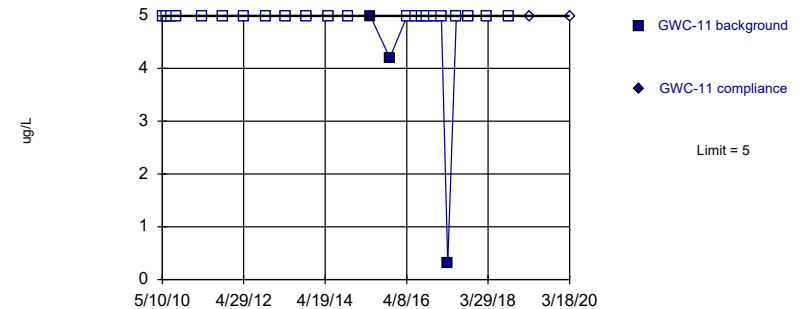


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



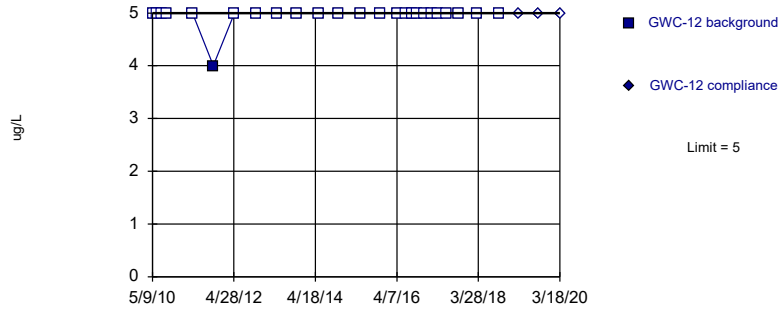
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

### Prediction Limit Intrawell Non-parametric

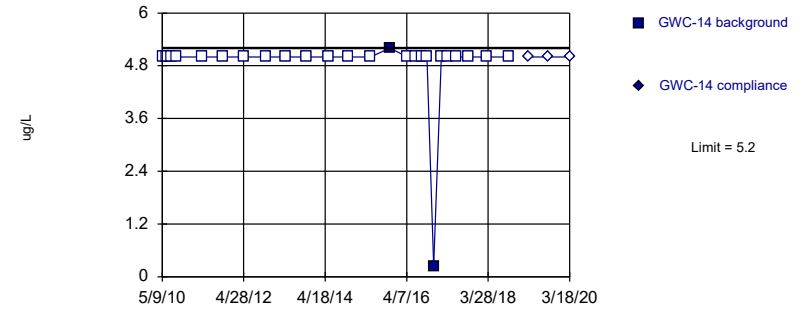


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

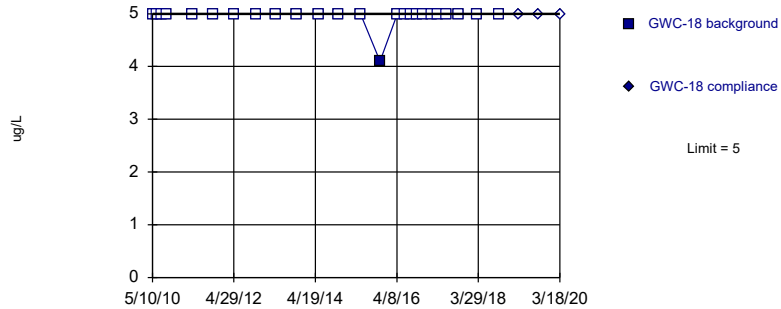


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

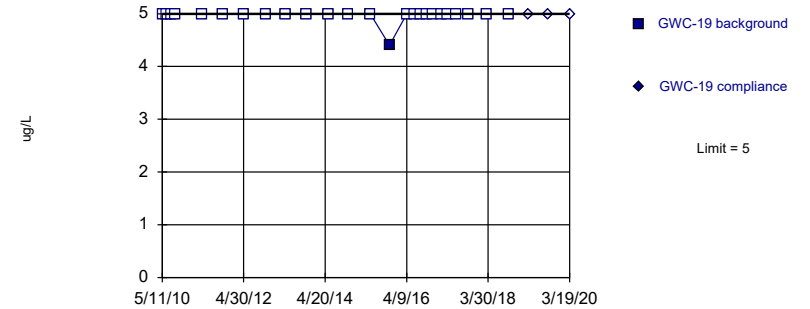


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

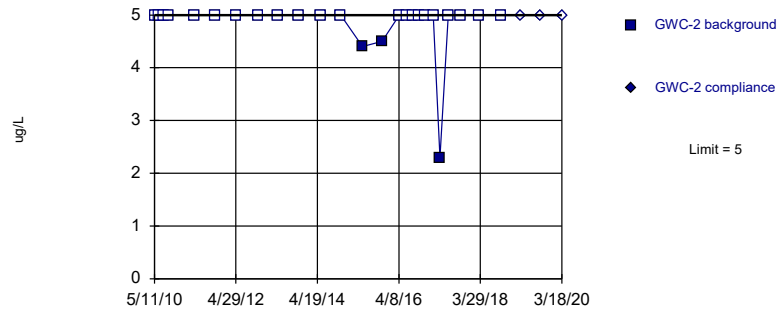


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

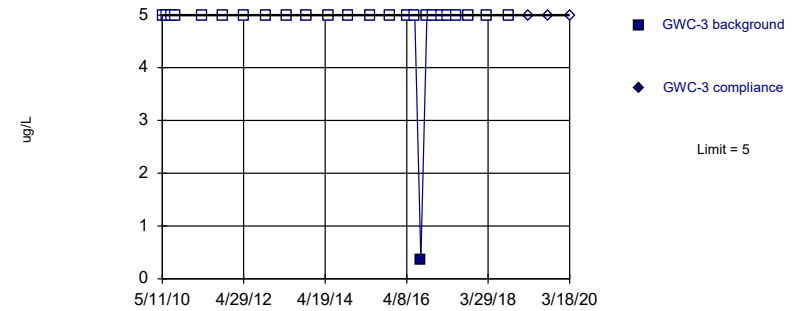


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

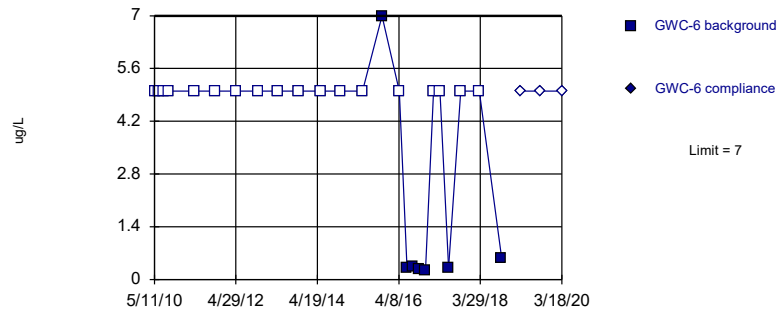


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

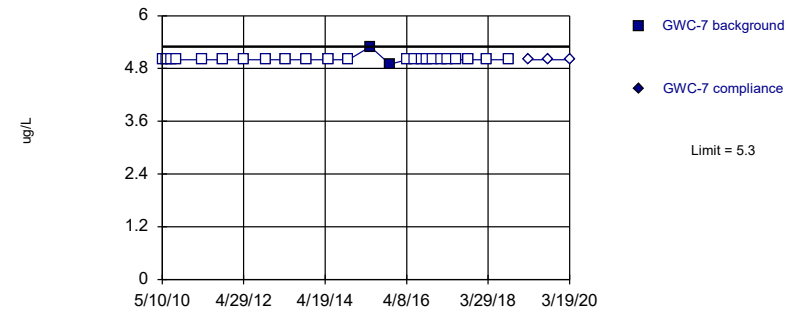


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

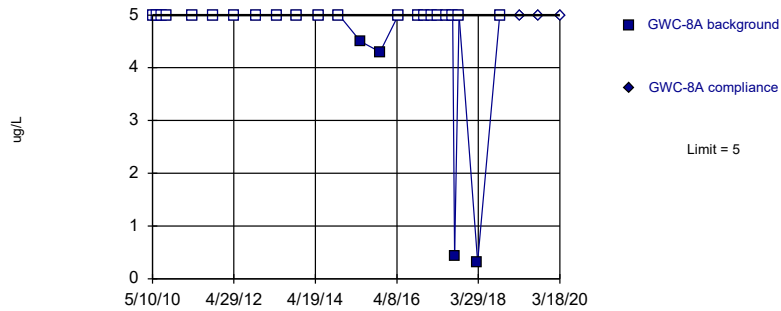


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

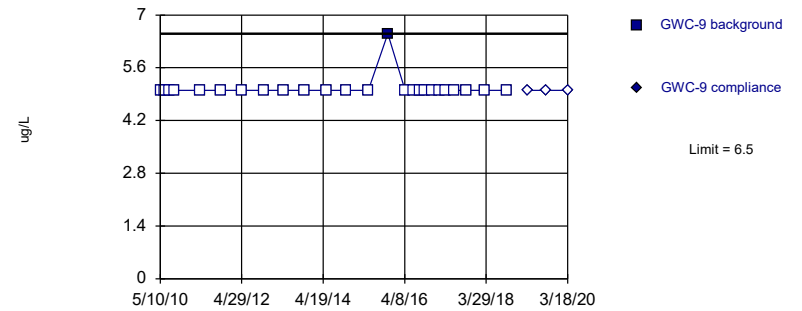


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

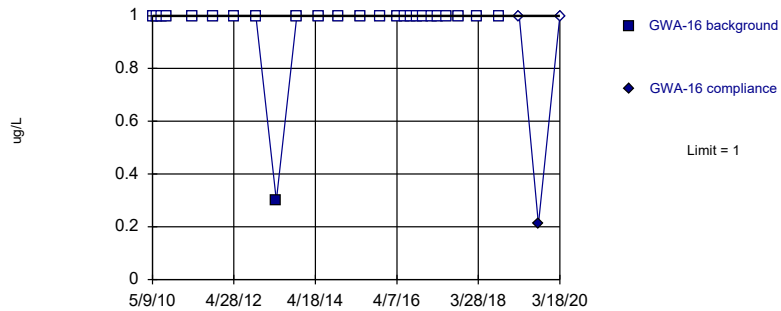


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

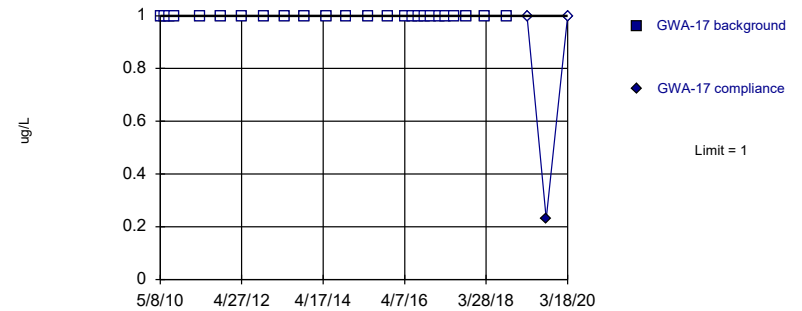


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

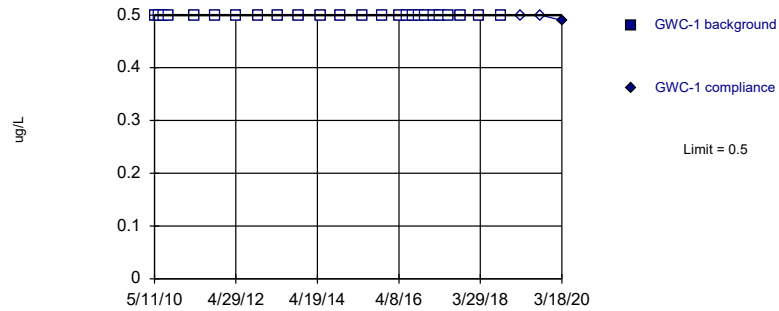


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

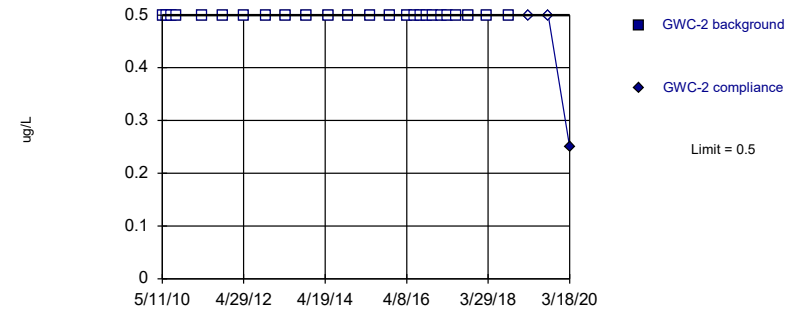


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

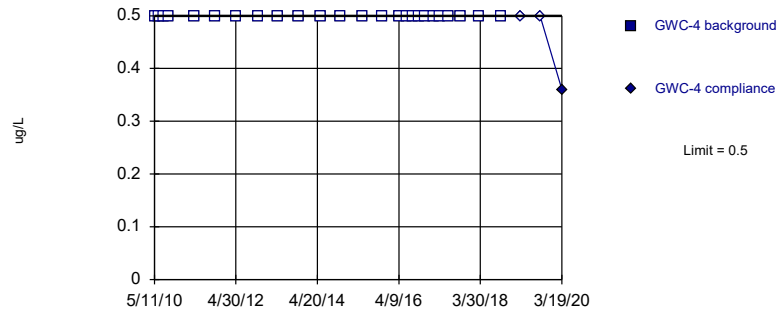


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

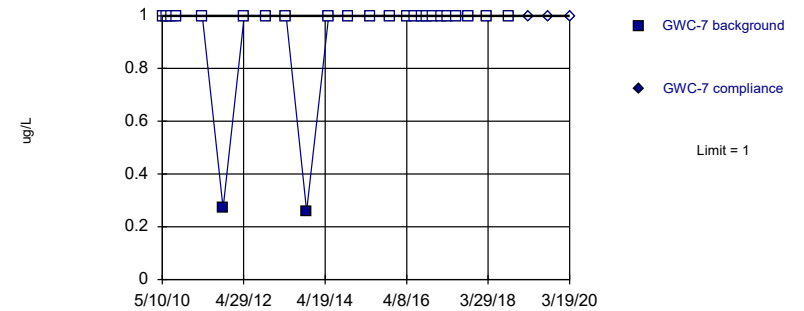


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

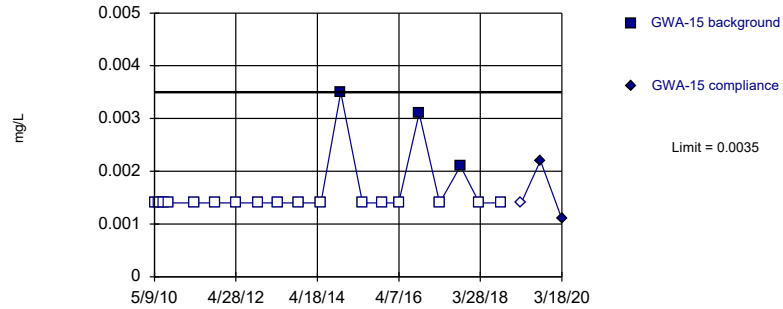


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

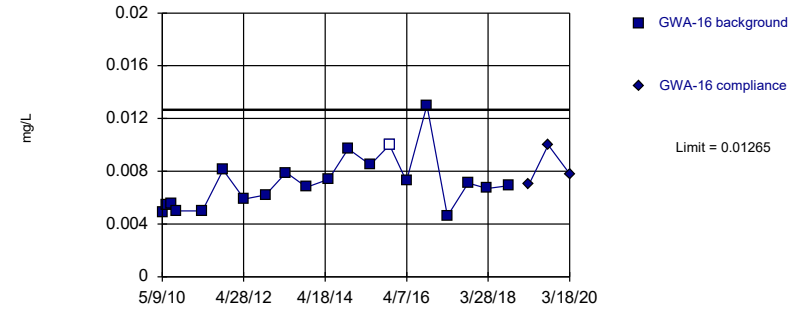


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

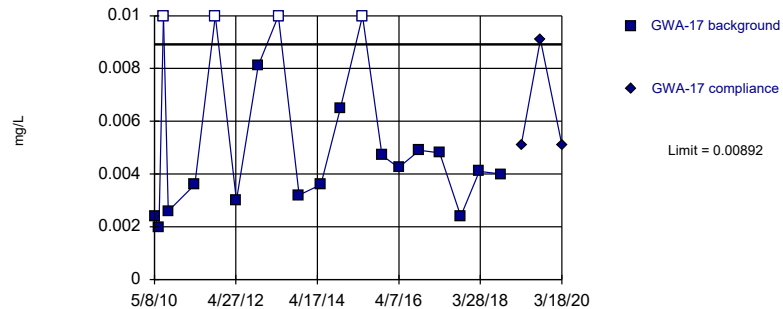


Background Data Summary: Mean=0.007093, Std. Dev.=0.002072, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9002, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

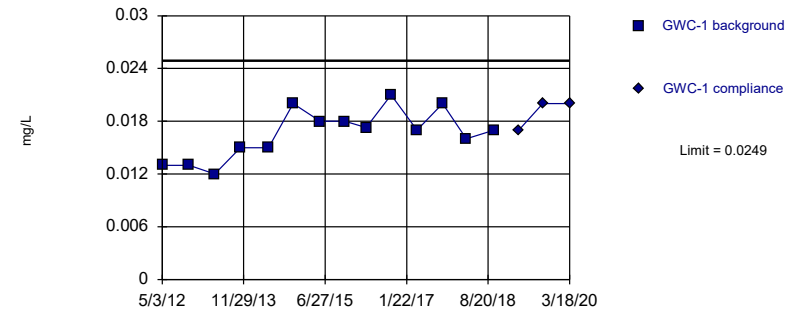


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06136, Std. Dev.=0.01234, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8809, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

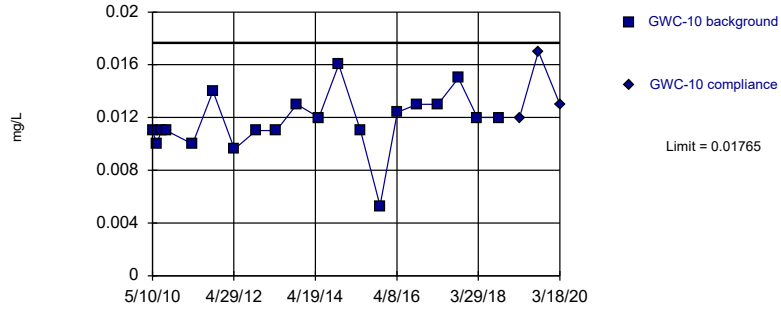


Background Data Summary: Mean=0.01659, Std. Dev.=0.00277, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.825. Kappa = 2.999 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

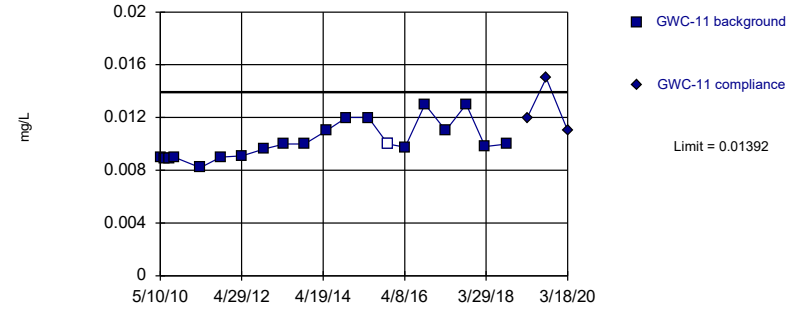


Background Data Summary: Mean=0.01167, Std. Dev.=0.002231, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9193, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

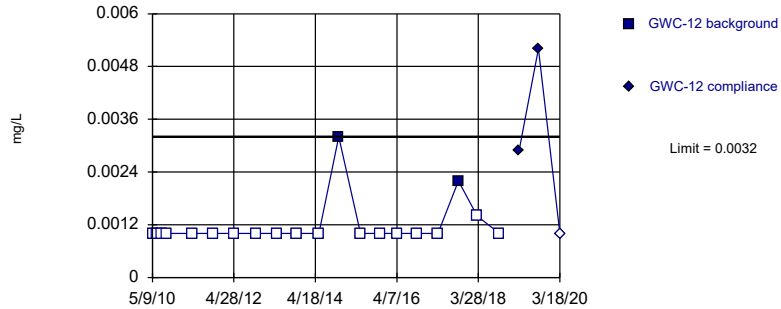


Background Data Summary: Mean=0.01016, Std. Dev.=0.001399, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8876, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

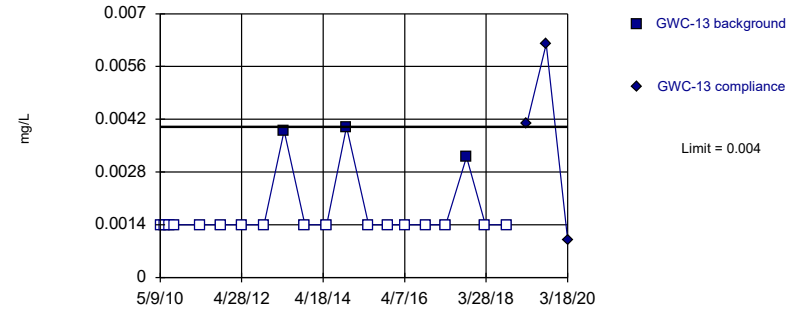


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

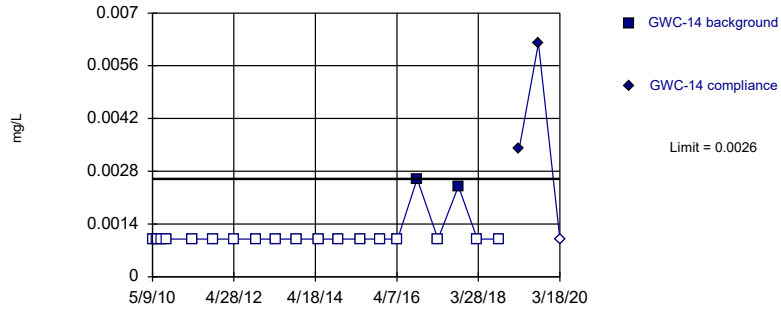


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

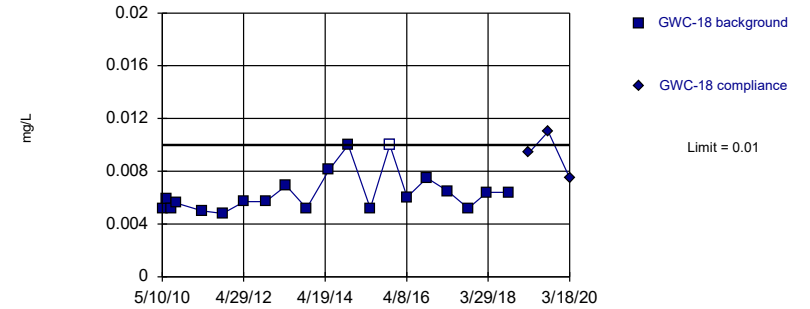


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

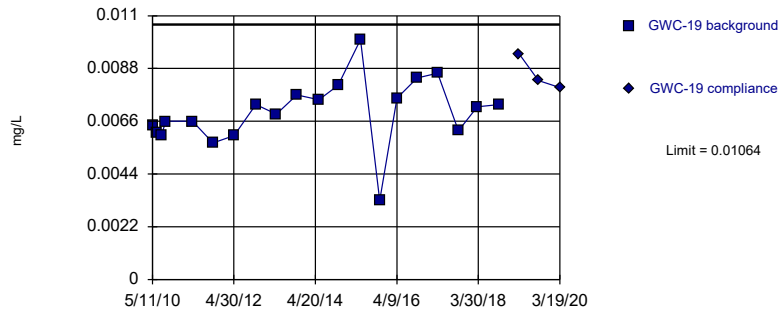


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

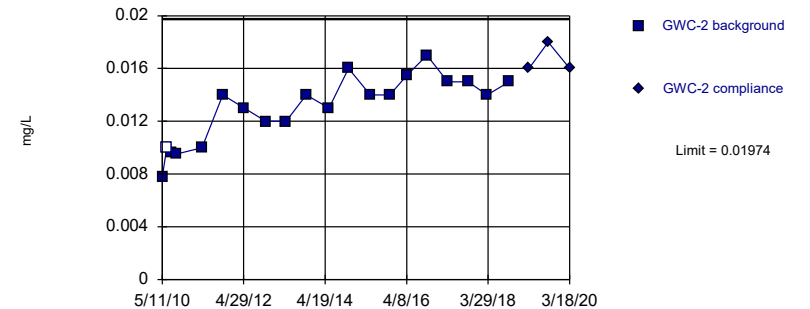


Background Data Summary: Mean=0.006973, Std. Dev.=0.001367, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9482, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01302, Std. Dev.=0.002504, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9359, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

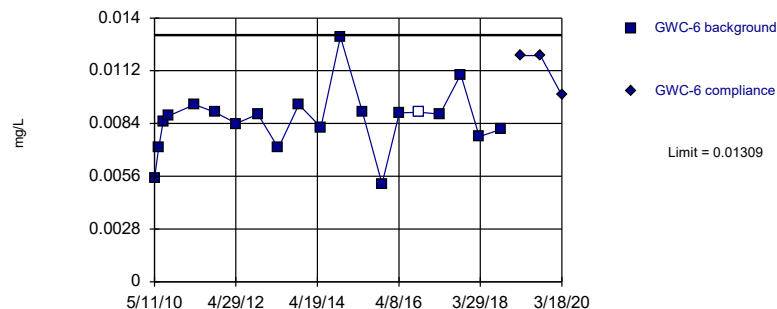
Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR





Within Limit

### Prediction Limit Intrawell Parametric

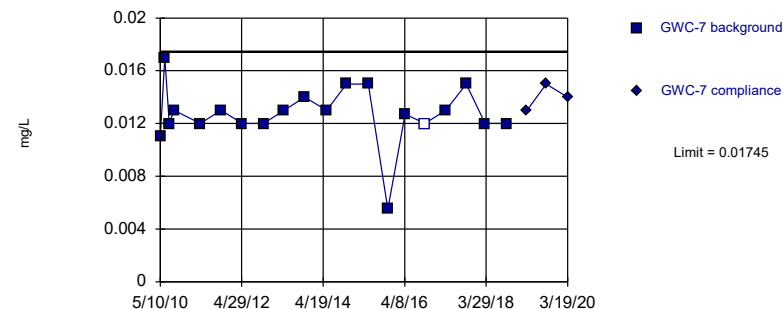


Background Data Summary: Mean=0.008558, Std. Dev.=0.001688, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

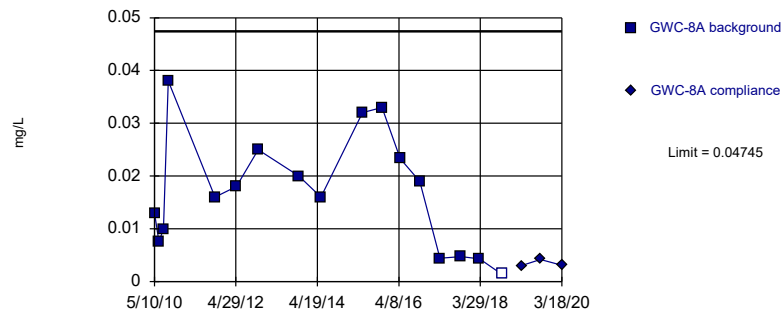


Background Data Summary (based on square transformation): Mean=0.0001663, Std. Dev.=0.00005149, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8848, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

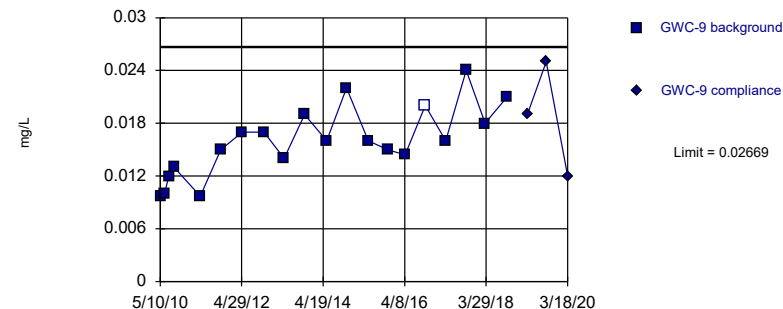


Background Data Summary: Mean=0.0168, Std. Dev.=0.01093, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9517, critical = 0.851. Kappa = 2.804 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

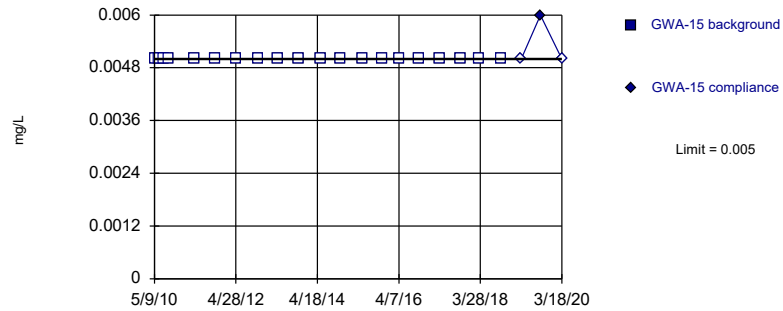


Background Data Summary: Mean=0.01594, Std. Dev.=0.004006, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9706, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

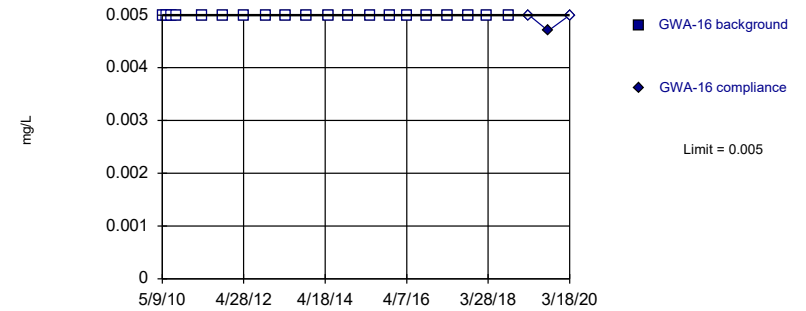


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

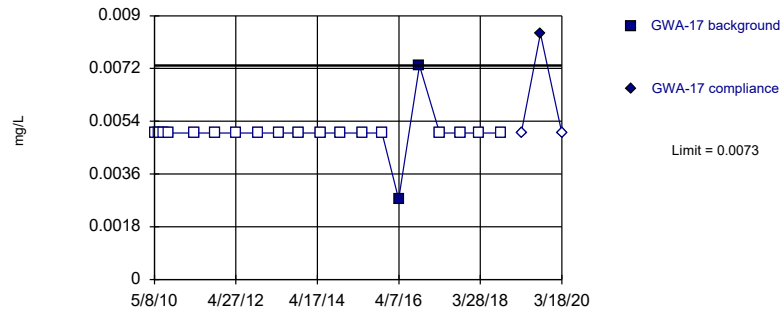


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

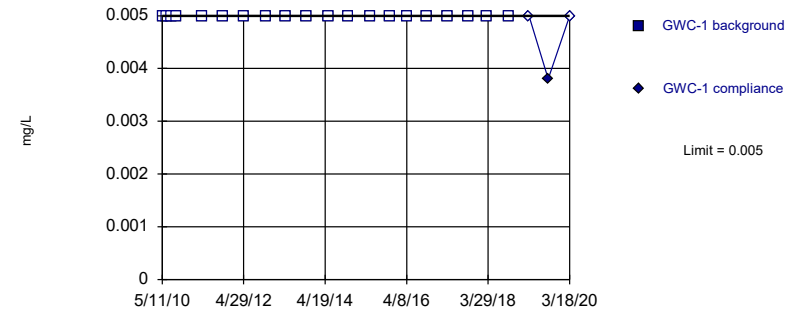


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

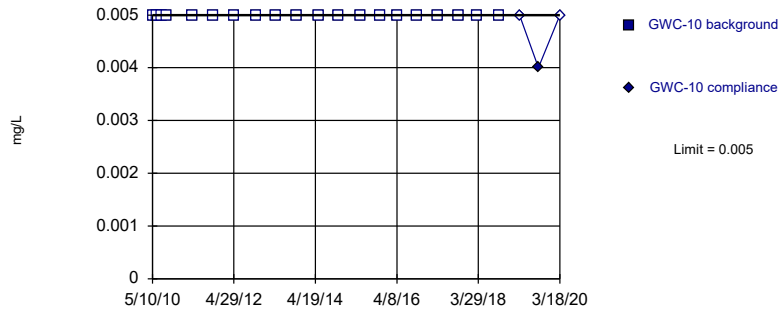


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

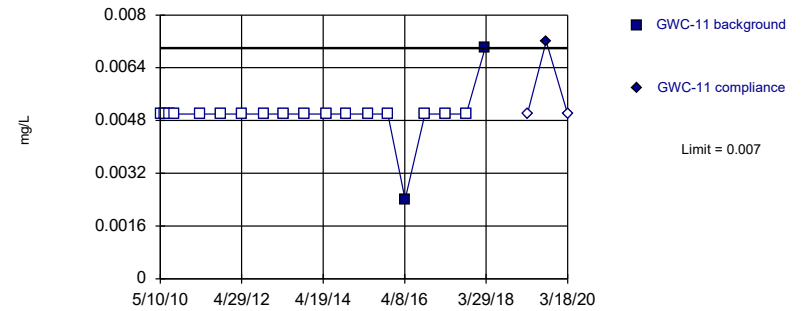


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

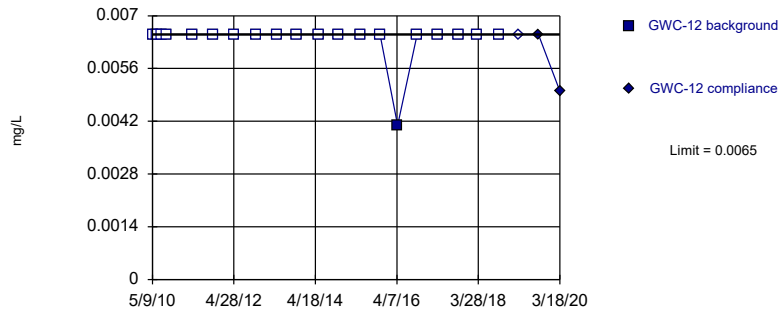


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

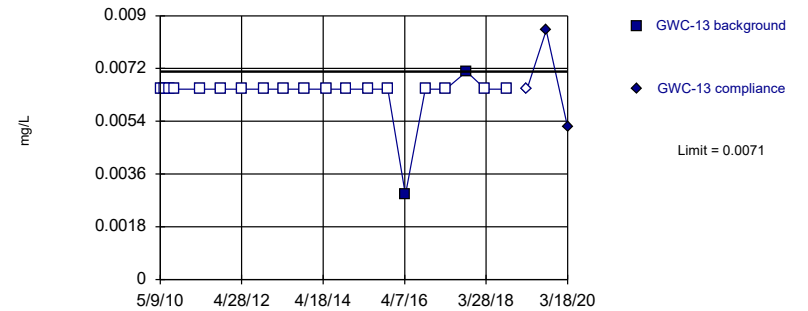


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

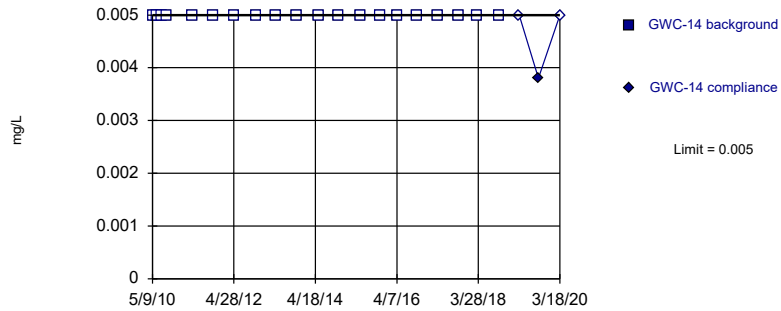


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

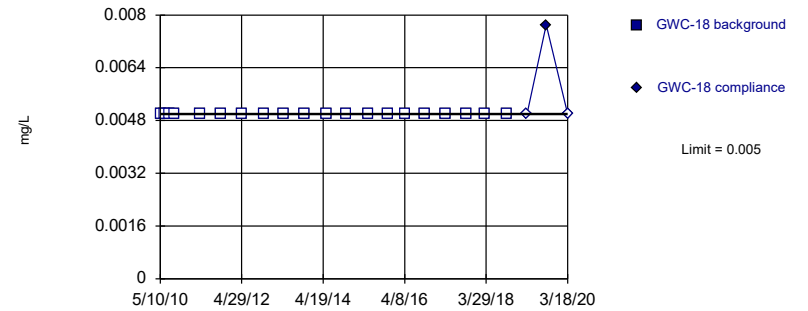


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

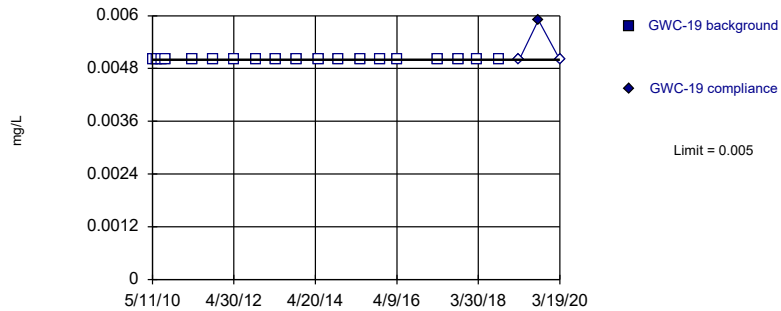


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

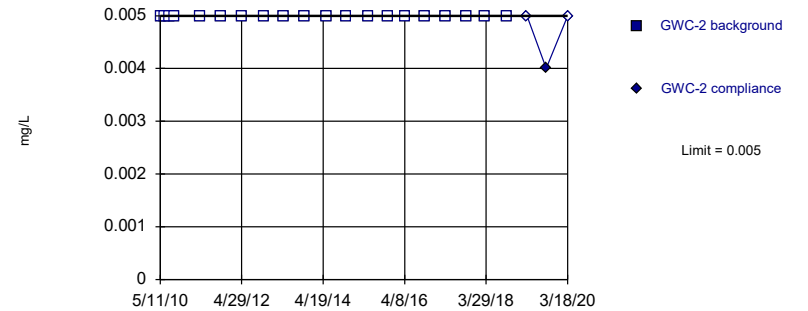


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

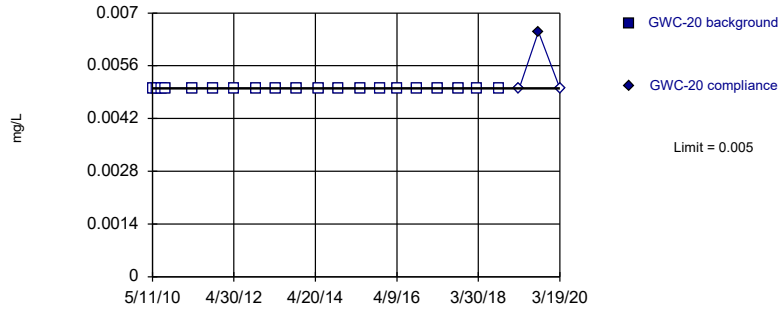


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

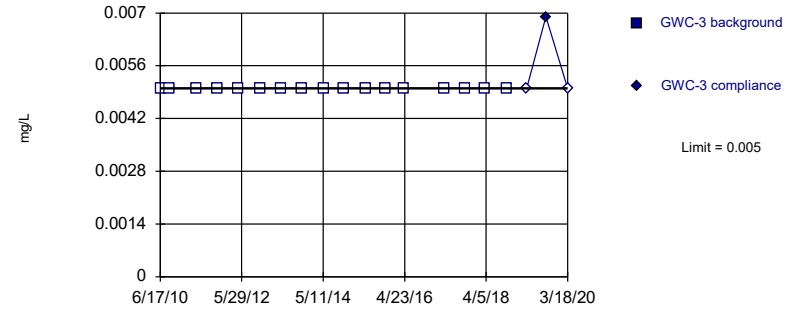


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

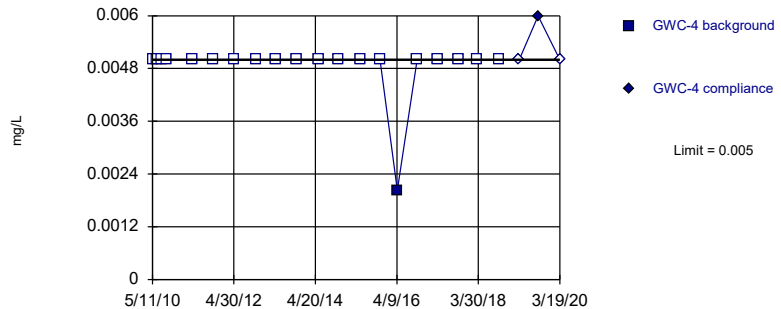


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

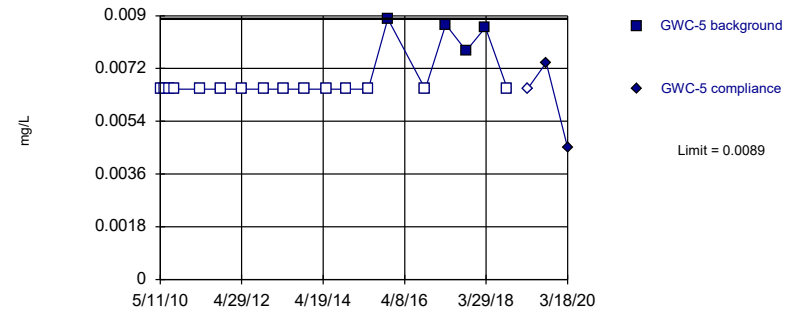


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

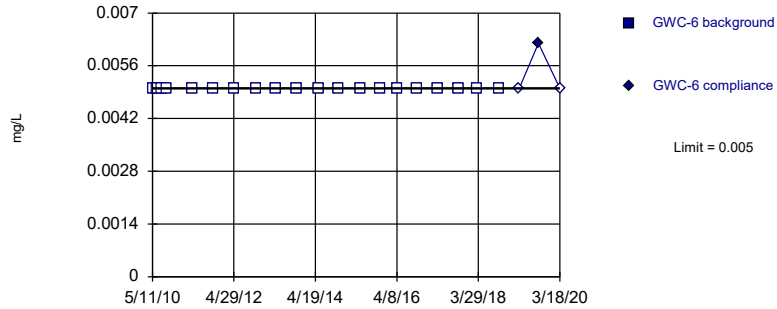


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

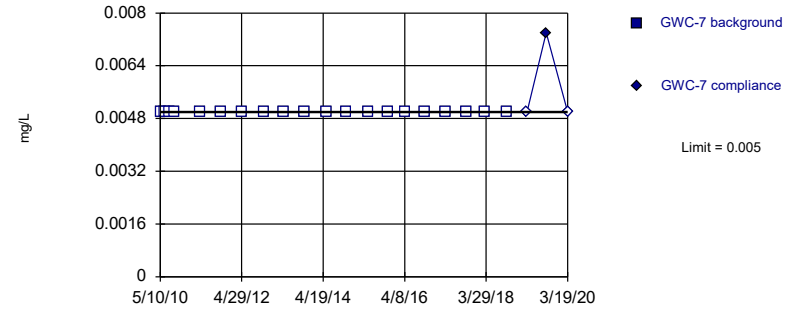


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

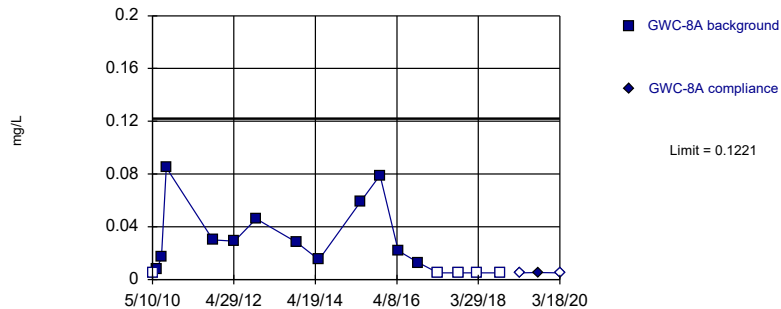


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

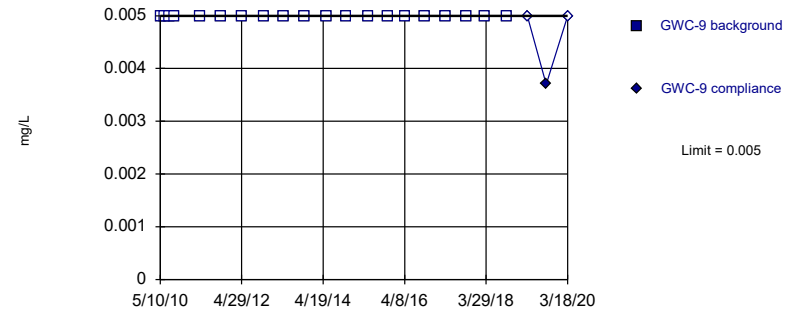


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.147, Std. Dev.=0.07218, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8862, critical = 0.851. Kappa = 2.804 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 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 = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 6/19/2020 9:37 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<2	
6/16/2010	<2	
7/27/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/6/2013	<2	
5/20/2014	<2	
11/8/2014	<2	
5/22/2015	<2	
11/9/2015	<2	
4/6/2016	<2	
6/15/2016	<2	
8/10/2016	<2	
10/4/2016	<2	
11/29/2016	<2	
2/7/2017	1 (J)	
4/4/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		<2
3/18/2020		<2

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<2	
6/18/2010	<2	
7/27/2010	<2	
9/8/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/10/2012	<2	
5/9/2013	<2	
11/6/2013	<2	
5/20/2014	<2	
11/12/2014	<2	
5/23/2015	<2	
11/12/2015	<2	
4/13/2016	0.646 (JD)	
6/21/2016	<2	
8/15/2016	<2	
10/5/2016	<2	
12/1/2016	<2	
2/8/2017	<2	
4/5/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/21/2018	<2 (D)	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		<2
3/18/2020		<2



# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<2	
6/16/2010	<2	
7/26/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/6/2013	<2	
5/23/2014	<2	
11/8/2014	<2	
5/22/2015	<2	
11/10/2015	<2	
4/11/2016	<2	
6/16/2016	0.18 (J)	
8/11/2016	<2	
10/5/2016	<2	
11/29/2016	<2	
2/8/2017	<2	
4/6/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		0.39 (J)
3/18/2020		<2

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<2	
6/16/2010	<2	
7/27/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/9/2013	<2	
11/6/2013	<2	
5/22/2014	<2	
11/8/2014	<2	
5/23/2015	<2	
11/10/2015	<2	
4/11/2016	<2	
6/16/2016	0.14 (J)	
8/11/2016	<2	
10/5/2016	<2	
11/29/2016	<2	
2/8/2017	<2	
4/5/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/12/2019		<2
3/19/2020		<2

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<2	
6/19/2010	<2	
7/27/2010	<2	
9/9/2010	<2	
4/28/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/9/2012	<2	
5/9/2013	<2	
11/5/2013	<2	
5/22/2014	<2	
11/13/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/12/2016	<2	
6/16/2016	<2	
8/11/2016	<2	
10/4/2016	<2	
11/30/2016	<2	
2/7/2017	<2	
4/6/2017	<2	
6/20/2017	<2	
10/4/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		0.42 (J)
3/18/2020		<2

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<2	
6/17/2010	<2	
7/28/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/9/2012	<2	
5/10/2013	<2	
11/6/2013	<2	
5/22/2014	<2	
11/9/2014	<2	
5/22/2015	<2	
11/10/2015	<2	
4/12/2016	<2 (D)	
6/20/2016	0.2 (J)	
8/12/2016	<2	
10/5/2016	<2	
11/30/2016	<2	
2/8/2017	<2	
4/6/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/21/2018	<2	
10/3/2018	<2	
3/26/2019		<2
9/10/2019		<2
3/18/2020		<2

# Prediction Limit

Constituent: Antimony, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/29/2011	<2	
5/4/2012	<2	
11/10/2012	<2	
5/9/2013	<2	
11/7/2013	<2	
5/21/2014	<2	
11/12/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/13/2016	<2 (D)	
6/20/2016	0.2 (J)	
8/15/2016	<2	
10/6/2016	<2	
12/1/2016	<2	
2/9/2017	<2	
4/7/2017	<2	
6/22/2017	<2	
10/6/2017	<2	
3/22/2018	<2	
10/4/2018	<2	
3/27/2019		<2
9/11/2019		<2
3/19/2020		<2

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	10 (J)	
6/18/2010	10 (J)	
7/28/2010	11 (J)	
9/9/2010	11 (J)	
4/30/2011	9.1 (J)	
10/28/2011	9.6 (J)	
5/2/2012	12	
11/9/2012	12 (V)	
5/8/2013	10	
11/5/2013	9.8 (J)	
5/20/2014	8.1 (J)	
11/12/2014	9.8 (J)	
5/22/2015	8.8 (J)	
11/11/2015	11	
4/6/2016	9.59 (J)	
6/15/2016	9.1 (J)	
8/10/2016	9	
10/4/2016	<9.2	
11/30/2016	11	
2/7/2017	9.9	
4/4/2017	9.2	
6/20/2017	9.9	
10/4/2017	9.8	
3/20/2018	10	
10/2/2018	9.9	
3/26/2019		9.9
9/10/2019		11
3/18/2020		10

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	31 (J)	
6/16/2010	29 (J)	
7/27/2010	29 (J)	
9/7/2010	28 (J)	
4/29/2011	26 (J)	
10/28/2011	25	
5/2/2012	25	
11/9/2012	28 (V)	
5/8/2013	29	
11/6/2013	26	
5/20/2014	25	
11/8/2014	26	
5/22/2015	26	
11/9/2015	24	
4/6/2016	26	
6/15/2016	23	
8/10/2016	22	
10/4/2016	24	
11/29/2016	23	
2/7/2017	24	
4/4/2017	22	
6/20/2017	25	
10/5/2017	23	
3/20/2018	23	
10/2/2018	23	
3/26/2019		24
9/10/2019		39
3/18/2020		27

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	48 (J)	
6/16/2010	44 (J)	
7/26/2010	42 (J)	
9/7/2010	40 (J)	
4/29/2011	38 (J)	
10/28/2011	34	
5/2/2012	30	
11/9/2012	39 (V)	
5/8/2013	34	
11/6/2013	32	
5/20/2014	30	
11/8/2014	31	
5/22/2015	33	
11/9/2015	34	
4/6/2016	34.7	
6/15/2016	29	
8/10/2016	27	
10/5/2016	<29	
11/29/2016	24	
2/7/2017	29	
4/4/2017	30	
6/20/2017	36	
10/5/2017	27	
3/20/2018	27	
10/2/2018	27	
3/26/2019		31
9/10/2019		51
3/18/2020		31



# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	54 (J)	
6/17/2010	54 (J)	
7/27/2010	54 (J)	
9/9/2010	46 (J)	
4/28/2011	57 (J)	
10/29/2011	46	
5/3/2012	49	
11/9/2012	45 (V)	
5/9/2013	53	
11/5/2013	45	
5/23/2014	43	
11/13/2014	46	
5/23/2015	46	
11/11/2015	47	
4/12/2016	47.4	
6/16/2016	44	
8/11/2016	40	
10/4/2016	48	
11/30/2016	43	
2/7/2017	42	
4/5/2017	41	
6/20/2017	46	
10/4/2017	44	
3/20/2018	42	
10/2/2018	43	
3/26/2019		44
9/10/2019		46
3/18/2020		49

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	24 (J)	
6/16/2010	22 (J)	
7/28/2010	23 (J)	
9/8/2010	23 (J)	
4/29/2011	22 (J)	
10/27/2011	22	
5/4/2012	19	
11/11/2012	25 (V)	
5/9/2013	24	
11/5/2013	25	
5/21/2014	24	
11/12/2014	26	
5/23/2015	26	
11/12/2015	26	
4/13/2016	25.8 (D)	
6/21/2016	28.6	
8/15/2016	24	
10/5/2016	<28	
12/1/2016	28	
2/8/2017	27	
4/6/2017	27	
6/21/2017	31	
10/5/2017	29	
3/21/2018	<28 (X)	
10/2/2018	29	
3/27/2019		27
9/11/2019		33
3/18/2020		36

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	18 (J)	
6/16/2010	18 (J)	
7/27/2010	18 (J)	
9/8/2010	17 (J)	
4/29/2011	16 (J)	
10/27/2011	15	
5/4/2012	14	
11/10/2012	16 (V)	
5/9/2013	16	
11/6/2013	16	
5/20/2014	16	
11/12/2014	17	
5/24/2015	17	
11/12/2015	16	
4/13/2016	15.9 (D)	
6/21/2016	18	
8/15/2016	15	
10/5/2016	<16	
12/1/2016	16	
2/8/2017	15	
4/6/2017	16	
6/20/2017	16	
10/5/2017	16	
3/21/2018	<16 (X)	
10/2/2018	16	
3/27/2019		15
9/11/2019		17
3/18/2020		19

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	17 (J)	
6/18/2010	14 (J)	
7/27/2010	15 (J)	
9/8/2010	13 (J)	
4/29/2011	16 (J)	
10/28/2011	13	
5/3/2012	12	
11/10/2012	15 (V)	
5/9/2013	15	
11/6/2013	15	
5/20/2014	15	
11/12/2014	18	
5/23/2015	16	
11/12/2015	15	
4/13/2016	16.6 (D)	
6/21/2016	17.3	
8/15/2016	15	
10/5/2016	<17	
12/1/2016	16	
2/8/2017	16	
4/5/2017	16	
6/20/2017	17	
10/5/2017	17	
3/21/2018	<17 (X)	
10/2/2018	16	
3/26/2019		17
9/11/2019		17
3/18/2020		18

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	29 (J)	
6/18/2010	28 (J)	
7/29/2010	29 (J)	
9/9/2010	28 (J)	
4/26/2011	38 (J)	
10/28/2011	26	
5/4/2012	24	
11/11/2012	27 (V)	
5/8/2013	45	
11/7/2013	26	
5/20/2014	24	
11/12/2014	29	
5/24/2015	27	
11/12/2015	29	
4/13/2016	29 (D)	
6/21/2016	30.6	
8/15/2016	26	
10/7/2016	31	
12/1/2016	31	
2/9/2017	32	
4/6/2017	29	
6/22/2017	34	
10/6/2017	31	
3/22/2018	34	
10/3/2018	30	
3/26/2019		35
9/11/2019		35
3/18/2020		58

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	10 (J)	
6/18/2010	9.7 (J)	
7/28/2010	9.6 (J)	
9/9/2010	10 (J)	
4/30/2011	9.6 (J)	
10/28/2011	6.4 (O)	
5/3/2012	5.4 (O)	
11/10/2012	9.4 (J)	
5/8/2013	9.3 (J)	
11/5/2013	9 (J)	
5/20/2014	9 (J)	
11/12/2014	9.8 (J)	
5/24/2015	9.6 (J)	
11/11/2015	9.2 (J)	
4/13/2016	9.29 (JD)	
6/21/2016	10.6	
8/15/2016	7.7	
10/4/2016	<9.1	
12/1/2016	8.9	
2/7/2017	8.9	
4/6/2017	8.5	
6/20/2017	9.7	
10/5/2017	9.6	
3/20/2018	9.1	
10/2/2018	9.6	
3/26/2019		9.2
9/11/2019		11
3/18/2020		9.9 (J)

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	39 (J)	
6/16/2010	41 (J)	
7/26/2010	40 (J)	
9/7/2010	38 (J)	
4/29/2011	34 (J)	
10/28/2011	35	
5/2/2012	38	
11/9/2012	35 (V)	
5/8/2013	37	
11/6/2013	36 (V)	
5/23/2014	36	
11/8/2014	38	
5/22/2015	35	
11/10/2015	32	
4/11/2016	35.2	
6/16/2016	33	
8/11/2016	35	
10/5/2016	<32	
11/29/2016	34	
2/8/2017	32	
4/6/2017	31	
6/21/2017	35	
10/5/2017	34	
3/20/2018	33	
10/2/2018	32	
3/26/2019		33
9/11/2019		35
3/18/2020		36

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	18 (J)	
6/16/2010	17 (J)	
7/27/2010	16 (J)	
9/7/2010	17 (J)	
4/29/2011	18 (J)	
10/28/2011	16	
5/2/2012	18	
11/9/2012	17 (V)	
5/9/2013	17	
11/6/2013	18 (V)	
5/22/2014	16	
11/8/2014	18	
5/23/2015	18	
11/10/2015	17	
4/11/2016	19.1	
6/16/2016	17	
8/11/2016	15	
10/5/2016	<18	
11/29/2016	17	
2/8/2017	17	
4/5/2017	17	
6/21/2017	19	
10/5/2017	18	
3/20/2018	19	
10/2/2018	18	
3/26/2019		18
9/12/2019		26
3/19/2020		25



# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	48 (J)	
6/19/2010	33 (J)	
7/27/2010	47 (J)	
9/9/2010	45 (J)	
4/28/2011	48 (J)	
10/28/2011	44	
5/3/2012	47	
11/9/2012	55 (V)	
5/9/2013	49	
11/5/2013	45	
5/22/2014	40	
11/13/2014	45	
5/24/2015	45	
11/11/2015	45	
4/12/2016	51.9	
6/16/2016	45	
8/11/2016	40	
10/4/2016	44	
11/30/2016	44	
2/7/2017	44	
4/6/2017	41	
6/20/2017	45	
10/4/2017	47	
3/20/2018	45	
10/2/2018	44	
3/26/2019		45
9/10/2019		47
3/18/2020		48

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	32 (J)	
6/17/2010	31 (J)	
7/27/2010	35 (J)	
9/7/2010	32 (J)	
4/29/2011	31 (J)	
10/28/2011	30	
5/3/2012	32	
11/10/2012	28 (V)	
5/9/2013	29	
11/6/2013	30 (V)	
5/22/2014	29	
11/9/2014	32	
5/24/2015	29	
11/10/2015	26	
4/12/2016	33	
6/16/2016	28	
8/11/2016	26	
10/5/2016	30	
11/30/2016	30	
2/8/2017	33	
4/6/2017	33	
6/21/2017	30	
10/5/2017	28	
3/21/2018	<30 (X)	
10/3/2018	28	
3/26/2019		30
9/12/2019		35
3/19/2020		32

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	39	
6/17/2010	17	
7/28/2010	71 (O)	
9/7/2010	26	
4/29/2011	16	
10/28/2011	14	
5/3/2012	17	
11/9/2012	22 (V)	
5/10/2013	25	
11/6/2013	15	
5/22/2014	16	
11/9/2014	17	
5/22/2015	17	
11/10/2015	18	
4/12/2016	16.9 (D)	
6/20/2016	14	
8/12/2016	18	
10/5/2016	15	
11/30/2016	18	
2/8/2017	18	
4/6/2017	17	
6/21/2017	20	
10/5/2017	17	
3/21/2018	<18 (X)	
10/3/2018	16	
3/26/2019		15
9/10/2019		14
3/18/2020		13

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	31 (J)	
6/17/2010	33 (J)	
7/28/2010	33 (J)	
9/8/2010	33 (J)	
4/28/2011	39 (J)	
10/29/2011	29	
5/3/2012	36	
11/10/2012	32 (V)	
5/10/2013	35	
11/6/2013	37	
5/22/2014	31	
11/9/2014	34	
5/22/2015	39	
11/11/2015	42	
4/12/2016	38.6	
6/20/2016	31	
8/12/2016	33	
10/6/2016	42	
11/30/2016	40	
2/8/2017	42	
4/6/2017	41	
6/22/2017	47	
10/6/2017	45	
3/21/2018	45	
10/3/2018	42	
3/26/2019		53
9/10/2019		37
3/19/2020		45

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	34 (J)	
6/18/2010	28 (J)	
7/27/2010	26 (J)	
9/9/2010	22 (J)	
4/29/2011	16 (J)	
10/28/2011	14	
5/4/2012	17	
11/10/2012	14 (V)	
5/9/2013	16	
11/6/2013	16	
5/22/2014	16	
11/9/2014	18	
5/24/2015	110	
11/11/2015	120	
4/19/2016	99	
6/22/2016	74	
8/16/2016	45	
10/6/2016	46	
12/1/2016	46	
2/9/2017	55	
4/6/2017	57	
6/21/2017	62	
10/5/2017	52	
3/22/2018	48	
10/3/2018	36	
3/27/2019		38
9/11/2019		39
3/18/2020		40

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	53 (J)	
6/18/2010	55 (J)	
7/27/2010	53 (J)	
9/9/2010	50 (J)	
4/30/2011	50 (J)	
10/29/2011	45	
5/4/2012	51	
11/10/2012	48 (V)	
5/9/2013	48	
11/7/2013	49	
5/21/2014	48	
11/9/2014	53	
5/24/2015	61	
11/11/2015	63	
4/12/2016	62.6	
6/20/2016	57	
8/12/2016	53	
10/6/2016	53	
11/30/2016	60	
2/9/2017	54	
4/6/2017	55	
6/21/2017	63	
10/6/2017	54	
3/21/2018	56	
10/3/2018	51	
3/26/2019		52
9/11/2019		59
3/18/2020		50

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	29 (J)	
6/18/2010	44 (J)	
7/28/2010	28 (J)	
9/9/2010	29 (J)	
4/30/2011	25 (J)	
10/29/2011	26	
5/4/2012	32	
11/10/2012	28 (V)	
5/9/2013	30	
11/7/2013	31	
5/21/2014	29	
11/12/2014	31	
5/24/2015	39	
11/11/2015	32	
4/13/2016	32.8 (D)	
6/20/2016	30	
8/15/2016	33	
10/6/2016	32	
12/1/2016	34	
2/9/2017	32	
4/7/2017	31	
6/22/2017	35	
10/6/2017	34	
3/22/2018	35	
10/4/2018	31	
3/27/2019		33
9/11/2019		35
3/19/2020		36

# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	50 (J)	
6/19/2010	45 (J)	
7/28/2010	46 (J)	
9/8/2010	71 (J)	
4/30/2011	98 (J)	
10/27/2011	48	
5/4/2012	55	
11/11/2012	50 (V)	
5/10/2013	120	
11/7/2013	44	
5/21/2014	37	
11/13/2014	85	
5/23/2015	54	
11/11/2015	59	
4/19/2016	41.5	
10/10/2016	34	
12/1/2016	37	
2/9/2017	43	
4/7/2017	19	
6/21/2017	17	
8/15/2017	21	
9/1/2017	20	
10/9/2017	19	
3/22/2018	19	
10/4/2018	12	
3/27/2019		25
9/11/2019		22
3/18/2020		43



# Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	26 (J)	
6/16/2010	26 (J)	
7/27/2010	29 (J)	
9/8/2010	27 (J)	
4/29/2011	20 (J)	
10/27/2011	20	
5/3/2012	21	
11/11/2012	28 (V)	
5/9/2013	26	
11/6/2013	26	
5/21/2014	23	
11/12/2014	38	
5/23/2015	21	
11/12/2015	20	
4/13/2016	16.4 (D)	
6/22/2016	23.8	
8/15/2016	20	
10/6/2016	21	
12/1/2016	25	
2/8/2017	17	
4/6/2017	19	
6/21/2017	26	
10/5/2017	22	
3/21/2018	<21 (X)	
10/2/2018	23	
3/27/2019		18
9/11/2019		28
3/18/2020		13

# Prediction Limit

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<2.5	
6/16/2010	<2.5	
7/26/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/8/2014	<2.5	
5/22/2015	<2.5	
11/9/2015	<2.5	
4/6/2016	<2.5	
6/15/2016	<2.5	
8/10/2016	<2.5	
10/5/2016	<2.5	
11/29/2016	<2.5	
2/7/2017	<2.5	
4/4/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.13 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Cadmium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<2.5	
6/19/2010	<2.5	
7/28/2010	<2.5	
9/8/2010	1	
4/30/2011	1.4	
10/27/2011	1.1	
5/4/2012	<2.5	
11/11/2012	<2.5	
5/10/2013	1.6	
11/7/2013	1	
5/21/2014	<2.5	
11/13/2014	<2.5	
5/23/2015	<2.5	
11/11/2015	<2.5	
4/19/2016	0.379 (J)	
10/10/2016	<2.5	
12/1/2016	<2.5	
2/9/2017	0.37 (J)	
4/7/2017	<2.5	
6/21/2017	<2.5	
8/15/2017	<2.5	
9/1/2017	<2.5	
10/9/2017	<2.5	
3/22/2018	<2.5	
10/4/2018	<2.5	
3/27/2019		<2.5
9/11/2019		<2.5
3/18/2020		<2.5

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/5/2013	3.6	
5/20/2014	<2	
11/12/2014	<2	
5/22/2015	<2	
11/11/2015	<2	
4/6/2016	<2	
6/15/2016	<2	
8/10/2016	<2	
10/4/2016	<2	
11/30/2016	<2	
2/7/2017	<2	
4/4/2017	<2	
6/20/2017	<2	
10/4/2017	<2	
3/20/2018	<2 (D)	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		2.3 (J)
3/18/2020		<2

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	3 (J)	
6/16/2010	4.2 (J)	
7/27/2010	4.8 (J)	
9/7/2010	3.7 (J)	
4/29/2011	4.6 (J)	
10/28/2011	5	
5/2/2012	5.2	
11/9/2012	5.4	
5/8/2013	5.8	
11/6/2013	6.2 (J)	
5/20/2014	4.7 (J)	
11/8/2014	6.4 (J)	
5/22/2015	5.9 (J)	
11/9/2015	4.3 (J)	
4/6/2016	4.57 (J)	
6/15/2016	<10	
8/10/2016	4.2	
10/4/2016	5.2	
11/29/2016	4	
2/7/2017	4	
4/4/2017	2.1 (J)	
6/20/2017	4.6	
10/5/2017	5	
3/20/2018	4.4	
10/2/2018	4.3	
3/26/2019		4.6
9/10/2019		7.6
3/18/2020		4.4

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	3.2 (J)	
6/16/2010	3.7 (J)	
7/26/2010	5.8	
9/7/2010	7.8	
4/29/2011	5	
10/28/2011	6.8	
5/2/2012	6.5	
11/9/2012	6	
5/8/2013	7.4	
11/6/2013	8.2 (J)	
5/20/2014	5.1 (J)	
11/8/2014	7.4 (J)	
5/22/2015	8.4 (J)	
11/9/2015	9 (J)	
4/6/2016	7.79 (J)	
6/15/2016	<10	
8/10/2016	6.8	
10/5/2016	7.6	
11/29/2016	4.5	
2/7/2017	6.7	
4/4/2017	7.9	
6/20/2017	8.4	
10/5/2017	6.1	
3/20/2018	6	
10/2/2018	6.1	
3/26/2019		6.5
9/10/2019		12
3/18/2020		8.3

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	7.7	
6/17/2010	5.3	
7/27/2010	8.5	
9/9/2010	7.6	
4/28/2011	4.8 (J)	
10/29/2011	9.3	
5/3/2012	10	
11/9/2012	9	
5/9/2013	8.5	
11/5/2013	15	
5/23/2014	12	
11/13/2014	11	
5/23/2015	12	
11/11/2015	14	
4/12/2016	13.5	
6/16/2016	14	
8/11/2016	13	
10/4/2016	14	
11/30/2016	13	
2/7/2017	13	
4/5/2017	14	
6/20/2017	13	
10/4/2017	15	
3/20/2018	13	
10/2/2018	14	
3/26/2019		13
9/10/2019		18
3/18/2020		14

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	11	
6/16/2010	9.5	
7/28/2010	10	
9/8/2010	11	
4/29/2011	9.6	
10/27/2011	11	
5/4/2012	10	
11/11/2012	10	
5/9/2013	11	
11/5/2013	15	
5/21/2014	13	
11/12/2014	12	
5/23/2015	14	
11/12/2015	16	
4/13/2016	15.2 (D)	
6/21/2016	16	
8/15/2016	15	
10/5/2016	16	
12/1/2016	15	
2/8/2017	17	
4/6/2017	18	
6/21/2017	17	
10/5/2017	18	
3/21/2018	17 (J+X)	
10/2/2018	18	
3/27/2019		17
9/11/2019		23
3/18/2020		20



# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	11	
6/16/2010	12	
7/27/2010	12	
9/8/2010	11	
4/29/2011	10	
10/27/2011	7.7	
5/4/2012	8.2	
11/10/2012	7	
5/9/2013	7.9	
11/6/2013	11	
5/20/2014	7.6 (J)	
11/12/2014	7.1 (J)	
5/24/2015	8.3 (J)	
11/12/2015	6.9 (J)	
4/13/2016	8.04 (JD)	
6/21/2016	8.6 (J)	
8/15/2016	7.3	
10/5/2016	7.7	
12/1/2016	7.5	
2/8/2017	7.8	
4/6/2017	7.9	
6/20/2017	7.8	
10/5/2017	8.1	
3/21/2018	<8.1 (X)	
10/2/2018	7.5	
3/27/2019		7
9/11/2019		11
3/18/2020		8.6

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<2.5	
6/18/2010	<2.5	
7/27/2010	2 (J)	
9/8/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/3/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	3.1 (J)	
5/20/2014	2 (J)	
11/12/2014	<2.5	
5/23/2015	2.7 (J)	
11/12/2015	2.2 (J)	
4/13/2016	<2.5 (D)	
6/21/2016	1.2 (J)	
8/15/2016	2.1 (J)	
10/5/2016	1.3 (J)	
12/1/2016	1.5 (J)	
2/8/2017	1.6 (J)	
4/5/2017	1.4 (J)	
6/20/2017	1.5 (J)	
10/5/2017	1.5 (J)	
3/21/2018	<2.5 (XD)	
10/2/2018	1.2 (J)	
3/26/2019		1.3 (J)
9/11/2019		3.6
3/18/2020		1.6 (J)

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	5.1	
6/18/2010	4.3 (J)	
7/29/2010	5.8	
9/9/2010	5.2	
4/26/2011	2.5 (J)	
10/28/2011	3.5 (J)	
5/4/2012	7.3	
11/11/2012	4 (J)	
5/8/2013	6	
11/7/2013	6.8 (J)	
5/20/2014	3.9 (J)	
11/12/2014	3.9 (J)	
5/24/2015	4 (J)	
11/12/2015	7.7 (J)	
4/13/2016	3.8 (JD)	
6/21/2016	3.5 (J)	
8/15/2016	3.4	
10/7/2016	3.7	
12/1/2016	3.7	
2/9/2017	3.8	
4/6/2017	3.9	
6/22/2017	4.2	
10/6/2017	3.9	
3/22/2018	28 (O)	
10/3/2018	5.6	
3/26/2019		4.8
9/11/2019		7.5
3/18/2020		8

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/10/2012	<2	
5/8/2013	<2	
11/5/2013	3.6	
5/20/2014	<2	
11/12/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/13/2016	<2 (D)	
6/21/2016	0.6 (J)	
8/15/2016	<2	
10/4/2016	<2	
12/1/2016	<2	
2/7/2017	<2	
4/6/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		3.8
3/18/2020		<2

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	12	
6/16/2010	14	
7/26/2010	13	
9/7/2010	15	
4/29/2011	14	
10/28/2011	14	
5/2/2012	17	
11/9/2012	14	
5/8/2013	17	
11/6/2013	17	
5/23/2014	13	
11/8/2014	18	
5/22/2015	20	
11/10/2015	13	
4/11/2016	13.9	
6/16/2016	14	
8/11/2016	16	
10/5/2016	14	
11/29/2016	13	
2/8/2017	13	
4/6/2017	14	
6/21/2017	13	
10/5/2017	14	
3/20/2018	14	
10/2/2018	14	
3/26/2019		14
9/11/2019		17
3/18/2020		14

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	3.9 (J)	
6/16/2010	4.9 (J)	
7/27/2010	4.7 (J)	
9/7/2010	5.7	
4/29/2011	8.7	
10/28/2011	7.5	
5/2/2012	11	
11/9/2012	7.6	
5/9/2013	8.8	
11/6/2013	11	
5/22/2014	5.7 (J)	
11/8/2014	13	
5/23/2015	14	
11/10/2015	9.1 (J)	
4/11/2016	7.67 (J)	
6/16/2016	<10	
8/11/2016	8.5	
10/5/2016	10	
11/29/2016	8.7	
2/8/2017	9.3	
4/5/2017	9.8	
6/21/2017	9.4	
10/5/2017	9.6	
3/20/2018	9.7	
10/2/2018	9.7	
3/26/2019		9.1
9/12/2019		12
3/19/2020		12

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	5.1	
6/19/2010	<11	
7/27/2010	10	
9/9/2010	7.2	
4/28/2011	7.7	
10/28/2011	11	
5/3/2012	11	
11/9/2012	8.9	
5/9/2013	8.9	
11/5/2013	11	
5/22/2014	10	
11/13/2014	8.4 (J)	
5/24/2015	9.5 (J)	
11/11/2015	11	
4/12/2016	12.2	
6/16/2016	<11	
8/11/2016	10	
10/4/2016	11	
11/30/2016	9.8	
2/7/2017	9.6	
4/6/2017	10	
6/20/2017	10	
10/4/2017	11	
3/20/2018	9.9	
10/2/2018	10	
3/26/2019		9.6
9/10/2019		14
3/18/2020		11

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	6.3	
6/17/2010	5.3	
7/27/2010	6.4	
9/7/2010	7.8	
4/29/2011	6.5	
10/28/2011	9.2	
5/3/2012	11	
11/10/2012	7.3	
5/9/2013	9.8	
11/6/2013	11	
5/22/2014	9.7 (J)	
11/9/2014	12	
5/24/2015	16	
11/10/2015	8.8 (J)	
4/12/2016	9.65 (J)	
6/16/2016	<8.5	
8/11/2016	8.3	
10/5/2016	9.4	
11/30/2016	8.4	
2/8/2017	9.1	
4/6/2017	11	
6/21/2017	8.1	
10/5/2017	8.3	
3/21/2018	<8.5 (X)	
10/3/2018	9.1	
3/26/2019		9.2
9/12/2019		11
3/19/2020		9.4



# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	10	
6/17/2010	8.7	
7/28/2010	28 (O)	
9/7/2010	22	
4/29/2011	9.9	
10/28/2011	8.9	
5/3/2012	9.1	
11/9/2012	8	
5/10/2013	19	
11/6/2013	13	
5/22/2014	9.3 (J)	
11/9/2014	9.8 (J)	
5/22/2015	10	
11/10/2015	11	
4/12/2016	9.25 (JD)	
6/20/2016	7.6 (J)	
8/12/2016	7.9	
10/5/2016	8.5	
11/30/2016	8.6	
2/8/2017	11	
4/6/2017	9.8	
6/21/2017	11	
10/5/2017	10	
3/21/2018	<9.3 (X)	
10/3/2018	8.1	
3/26/2019		7.5
9/10/2019		9.2
3/18/2020		4.9

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	4.6 (J)	
6/17/2010	7	
7/28/2010	8.4	
9/8/2010	7.1	
4/28/2011	8	
10/29/2011	5.4	
5/3/2012	6.5	
11/10/2012	5.9	
5/10/2013	8.3	
11/6/2013	9.9 (J)	
5/22/2014	4.9 (J)	
11/9/2014	6.8 (J)	
5/22/2015	8.7 (J)	
11/11/2015	8.4 (J)	
4/12/2016	4.19 (J)	
6/20/2016	4.3 (J)	
8/12/2016	3.7	
10/6/2016	6.2	
11/30/2016	4.3	
2/8/2017	5.2	
4/6/2017	5	
6/22/2017	5.2	
10/6/2017	4.9	
3/21/2018	<6.2 (X)	
10/3/2018	3.9	
3/26/2019		8.4
9/10/2019		6.7
3/19/2020		4.5

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	4 (J)	
6/18/2010	5.6	
7/27/2010	5.1	
9/9/2010	3.7 (J)	
4/29/2011	3.6 (J)	
10/28/2011	2.6 (J)	
5/4/2012	3.1 (J)	
11/10/2012	<5	
5/9/2013	3.3 (J)	
11/6/2013	4.5 (J)	
5/22/2014	3.5 (J)	
11/9/2014	6.2 (J)	
5/24/2015	12	
11/11/2015	6.8 (J)	
4/19/2016	3.68 (J)	
6/22/2016	3.1 (J)	
8/16/2016	2.8	
10/6/2016	3	
12/1/2016	2.2 (J)	
2/9/2017	3.5	
4/6/2017	3.2	
6/21/2017	3.1	
10/5/2017	2.9	
3/22/2018	8.6 (J+X)	
10/3/2018	3	
3/27/2019		3.9
9/11/2019		7.9
3/18/2020		5.2

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<12	
6/18/2010	6.3	
7/27/2010	4 (J)	
9/9/2010	5.3	
4/30/2011	3.5 (J)	
10/29/2011	4.8 (J)	
5/4/2012	6.4	
11/10/2012	8.4	
5/9/2013	4.1 (J)	
11/7/2013	7.7 (J)	
5/21/2014	4.4 (J)	
11/9/2014	7.1 (J)	
5/24/2015	10	
11/11/2015	5.3 (J)	
4/12/2016	4.93 (J)	
6/20/2016	4.3 (J)	
8/12/2016	3.7	
10/6/2016	4	
11/30/2016	3.5	
2/9/2017	4.1	
4/6/2017	3.8	
6/21/2017	4	
10/6/2017	3.8	
3/21/2018	<12 (X)	
10/3/2018	4.2	
3/26/2019		4.4
9/11/2019		7.8
3/18/2020		4.6

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	7	
6/18/2010	11	
7/28/2010	9.2	
9/9/2010	10	
4/30/2011	12	
10/29/2011	12	
5/4/2012	13	
11/10/2012	9.7	
5/9/2013	13	
11/7/2013	13	
5/21/2014	9.1 (J)	
11/12/2014	9.7 (J)	
5/24/2015	18	
11/11/2015	8.6 (J)	
4/13/2016	9.24 (JD)	
6/20/2016	8.4 (J)	
8/15/2016	8.3	
10/6/2016	8.1	
12/1/2016	8.3	
2/9/2017	8.7	
4/7/2017	9	
6/22/2017	9.2	
10/6/2017	9.5	
3/22/2018	8.6 (J+X)	
10/4/2018	8.3	
3/27/2019		8.8
9/11/2019		13
3/19/2020		11

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<2	
6/19/2010	<2	
7/28/2010	3.4 (J)	
9/8/2010	14	
4/30/2011	22	
10/27/2011	6.4	
5/4/2012	5.9	
11/11/2012	11	
5/10/2013	38 (O)	
11/7/2013	12	
5/21/2014	4.8 (J)	
11/13/2014	23	
5/23/2015	15	
11/11/2015	16	
4/19/2016	8.6 (J)	
10/10/2016	5.2	
12/1/2016	6.2	
2/9/2017	9.1	
4/7/2017	<2	
6/21/2017	<2	
8/15/2017	<2	
9/1/2017	<2	
10/9/2017	<2	
3/22/2018	7.9 (J+X)	
10/4/2018	<2	
3/27/2019		<2
9/11/2019		5.2
3/18/2020		<2

# Prediction Limit

Constituent: Chromium, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	9.7	
6/16/2010	7.4	
7/27/2010	6.8	
9/8/2010	7	
4/29/2011	6.2	
10/27/2011	8.4	
5/3/2012	9.9	
11/11/2012	7.3	
5/9/2013	8.5	
11/6/2013	13	
5/21/2014	9.7 (J)	
11/12/2014	7.2 (J)	
5/23/2015	9.5 (J)	
11/12/2015	4.6 (J)	
4/13/2016	6.27 (JD)	
6/22/2016	7.9 (J)	
8/15/2016	7.5	
10/6/2016	7.1	
12/1/2016	7	
2/8/2017	4.7	
4/6/2017	6	
6/21/2017	7.1	
10/5/2017	8	
3/21/2018	<4.6 (X)	
10/2/2018	8.1	
3/27/2019		6.4
9/11/2019		12
3/18/2020		6.6

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<2.5	
6/18/2010	<2.5	
7/28/2010	<2.5	
9/9/2010	<2.5	
4/30/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/5/2013	<2.5	
5/20/2014	<2.5	
11/12/2014	<2.5	
5/22/2015	<2.5	
11/11/2015	<2.5	
4/6/2016	2.61 (O)	
6/15/2016	0.92 (J)	
8/10/2016	0.76 (J)	
10/4/2016	0.81 (J)	
11/30/2016	0.61 (J)	
2/7/2017	<2.5	
4/4/2017	0.84 (J)	
6/20/2017	1.2 (J)	
10/4/2017	0.87 (J)	
3/20/2018	1.8 (JD)	
10/2/2018	1.1 (J)	
3/26/2019		1.9 (J)
9/10/2019		1.2 (J)
3/18/2020		1.7 (J)



# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.4	
6/16/2010	<0.4	
7/27/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	3 (O)	
10/28/2011	<0.4	
5/2/2012	<0.4	
11/9/2012	<0.4	
5/8/2013	<0.4	
11/6/2013	<0.4	
5/20/2014	<0.4	
11/8/2014	<0.4	
5/22/2015	<0.4	
11/9/2015	<0.4	
4/6/2016	<0.4	
6/15/2016	0.022 (J)	
8/10/2016	<0.4	
10/4/2016	<0.4	
11/29/2016	<0.4	
2/7/2017	<0.4	
4/4/2017	<0.4	
6/20/2017	<0.4	
10/5/2017	<0.4	
3/20/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/10/2019		0.31 (J)
3/18/2020		0.34 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<2.5	
6/16/2010	<2.5	
7/26/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/8/2014	<2.5	
5/22/2015	<2.5	
11/9/2015	<2.5	
4/6/2016	<2.5	
6/15/2016	0.084 (J)	
8/10/2016	<2.5	
10/5/2016	<2.5	
11/29/2016	<2.5	
2/7/2017	<2.5	
4/4/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.52 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<2.5	
6/17/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/28/2011	<2.5	
10/29/2011	<2.5	
5/3/2012	<2.5	
11/9/2012	<2.5	
5/9/2013	<2.5	
11/5/2013	<2.5	
5/23/2014	<2.5	
11/13/2014	<2.5	
5/23/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/16/2016	<2.5	
8/11/2016	<2.5	
10/4/2016	<2.5	
11/30/2016	<2.5	
2/7/2017	<2.5	
4/5/2017	<2.5	
6/20/2017	<2.5	
10/4/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		<2.5
3/18/2020		0.17 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.4	
6/18/2010	<0.4	
7/27/2010	<0.4	
9/8/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/6/2013	<0.4	
5/20/2014	<0.4	
11/12/2014	<0.4	
5/23/2015	<0.4	
11/12/2015	<0.4	
4/13/2016	<0.4 (D)	
6/21/2016	0.4 (J)	
8/15/2016	0.42 (J)	
10/5/2016	0.49 (J)	
12/1/2016	<0.4	
2/8/2017	<0.4	
4/5/2017	<0.4	
6/20/2017	0.4 (J)	
10/5/2017	0.41 (J)	
3/21/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/11/2019		0.42 (J)
3/18/2020		0.13 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.4	
6/16/2010	<0.4	
7/26/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/2/2012	<0.4	
11/9/2012	<0.4	
5/8/2013	<0.4	
11/6/2013	<0.4	
5/23/2014	<0.4	
11/8/2014	<0.4	
5/22/2015	3.2 (O)	
11/10/2015	<0.4	
4/11/2016	<0.4	
6/16/2016	<0.4	
8/11/2016	<0.4	
10/5/2016	<0.4	
11/29/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	<0.4	
6/21/2017	<0.4	
10/5/2017	<0.4	
3/20/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/11/2019		0.23 (J)
3/18/2020		0.18 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.4	
6/16/2010	<0.4	
7/27/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/2/2012	<0.4	
11/9/2012	<0.4	
5/9/2013	<0.4	
11/6/2013	<0.4	
5/22/2014	<0.4	
11/8/2014	<0.4	
5/23/2015	<0.4	
11/10/2015	<0.4	
4/11/2016	<0.4	
6/16/2016	<0.4	
8/11/2016	<0.4	
10/5/2016	<0.4	
11/29/2016	<0.4	
2/8/2017	<0.4	
4/5/2017	<0.4	
6/21/2017	<0.4	
10/5/2017	<0.4	
3/20/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/12/2019		0.21 (J)
3/19/2020		0.14 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<2.5	
6/19/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/28/2011	<2.5	
10/28/2011	<2.5	
5/3/2012	<2.5	
11/9/2012	<2.5	
5/9/2013	<2.5	
11/5/2013	<2.5	
5/22/2014	<2.5	
11/13/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/16/2016	<2.5	
8/11/2016	<2.5	
10/4/2016	<2.5	
11/30/2016	<2.5	
2/7/2017	<2.5	
4/6/2017	<2.5	
6/20/2017	<2.5	
10/4/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.15 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.4	
6/17/2010	<0.4	
7/27/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/6/2013	<0.4	
5/22/2014	<0.4	
11/9/2014	<0.4	
5/24/2015	<0.4	
11/10/2015	<0.4	
4/12/2016	<0.4	
6/16/2016	0.12 (J)	
8/11/2016	<0.4	
10/5/2016	<0.4	
11/30/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	0.5 (J)	
6/21/2017	<0.4	
10/5/2017	<0.4	
3/21/2018	<0.4	
10/3/2018	<0.4	
3/26/2019		<0.4
9/12/2019		0.21 (J)
3/19/2020		0.26 (J)



# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.4	
6/17/2010	<0.4	
7/28/2010	3.4 (O)	
9/7/2010	<0.4	
4/29/2011	3.7 (O)	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/9/2012	<0.4	
5/10/2013	<0.4	
11/6/2013	<0.4	
5/22/2014	<0.4	
11/9/2014	<0.4	
5/22/2015	<0.4	
11/10/2015	<0.4	
4/12/2016	<0.4 (D)	
6/20/2016	0.1 (J)	
8/12/2016	0.42 (J)	
10/5/2016	<0.4	
11/30/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	<0.4	
6/21/2017	0.42 (J)	
10/5/2017	<0.4	
3/21/2018	<0.4	
10/3/2018	<0.4	
3/26/2019		<0.4
9/10/2019		0.28 (J)
3/18/2020		0.14 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<2.5	
6/17/2010	<2.5	
7/28/2010	<2.5	
9/8/2010	<2.5	
4/28/2011	<2.5	
10/29/2011	<2.5	
5/3/2012	<2.5	
11/10/2012	<2.5	
5/10/2013	<2.5	
11/6/2013	<2.5	
5/22/2014	<2.5	
11/9/2014	<2.5	
5/22/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/20/2016	0.16 (J)	
8/12/2016	<2.5	
10/6/2016	0.68 (J)	
11/30/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/22/2017	<2.5	
10/6/2017	<2.5	
3/21/2018	<2.5	
10/3/2018	<2.5	
3/26/2019		0.96 (J)
9/10/2019		<2.5
3/19/2020		0.21 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:43 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<2.5	
6/18/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/22/2014	<2.5	
11/9/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/19/2016	<2.5	
6/22/2016	<2.5	
8/16/2016	<2.5	
10/6/2016	<2.5	
12/1/2016	<2.5	
2/9/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/5/2017	<2.5	
3/22/2018	<2.5	
10/3/2018	<2.5	
3/27/2019		<2.5
9/11/2019		0.099 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<2.5	
6/18/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/30/2011	<2.5	
10/29/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/7/2013	<2.5	
5/21/2014	<2.5	
11/9/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/20/2016	0.03 (J)	
8/12/2016	<2.5	
10/6/2016	<2.5	
11/30/2016	<2.5	
2/9/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/6/2017	<2.5	
3/21/2018	<2.5	
10/3/2018	<2.5	
3/26/2019		<2.5
9/11/2019		0.087 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.4	
6/18/2010	<0.4	
7/28/2010	<0.4	
9/9/2010	<0.4	
4/30/2011	<0.4	
10/29/2011	<0.4	
5/4/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/7/2013	<0.4	
5/21/2014	<0.4	
11/12/2014	<0.4	
5/24/2015	<0.4	
11/11/2015	<0.4	
4/13/2016	<0.4 (D)	
6/20/2016	0.086 (J)	
8/15/2016	<0.4	
10/6/2016	<0.4	
12/1/2016	<0.4	
2/9/2017	<0.4	
4/7/2017	<0.4	
6/22/2017	<0.4	
10/6/2017	<0.4	
3/22/2018	<0.4	
10/4/2018	<0.4	
3/27/2019		<0.4
9/11/2019		0.16 (J)
3/19/2020		0.13 (J)

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.4	
6/19/2010	<0.4	
7/28/2010	<0.4	
9/8/2010	<0.4	
4/30/2011	6.3 (O)	
10/27/2011	<0.4	
5/4/2012	<0.4	
11/11/2012	<0.4	
5/10/2013	6.8 (O)	
11/7/2013	<0.4	
5/21/2014	<0.4	
11/13/2014	4.6 (O)	
5/23/2015	<0.4	
11/11/2015	<0.4	
4/19/2016	<0.4	
10/10/2016	<0.4	
12/1/2016	0.68 (J)	
2/9/2017	0.9 (J)	
4/7/2017	1.1 (J)	
6/21/2017	0.64 (J)	
8/15/2017	1 (J)	
9/1/2017	0.89 (J)	
10/9/2017	0.85 (J)	
3/22/2018	<0.4	
10/4/2018	0.48 (J)	
3/27/2019		1.2 (J)
9/11/2019		0.85 (J)
3/18/2020		2.7

# Prediction Limit

Constituent: Cobalt, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/8/2010	<2.5	
4/29/2011	<2.5	
10/27/2011	<2.5	
5/3/2012	<2.5	
11/11/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/21/2014	<2.5	
11/12/2014	<2.5	
5/23/2015	<2.5	
11/12/2015	<2.5	
4/13/2016	<2.5 (D)	
6/22/2016	<2.5	
8/15/2016	<2.5	
10/6/2016	<2.5	
12/1/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/5/2017	<2.5	
3/21/2018	<2.5	
10/2/2018	<2.5	
3/27/2019		<2.5
9/11/2019		0.16 (J)
3/18/2020		<2.5

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	2.1 (J)	
6/16/2010	2.8 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	3.2 (J)	
10/28/2011	2.5 (J)	
5/2/2012	<1	
11/9/2012	2.4 (J)	
5/8/2013	5.1	
11/6/2013	3.3 (J)	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	3.6 (J)	
11/9/2015	3.9 (J)	
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		0.16 (J)
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<1	
6/16/2010	2.1 (J)	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	2.4 (J)	
10/28/2011	2 (J)	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	3.4 (J)	
11/6/2013	2.8 (J)	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	3.2 (J)	
11/9/2015	<1	
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		<1
9/10/2019		0.22 (J)
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	2.6 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	3.6 (J)	
10/29/2011	3.8 (J)	
5/3/2012	<0.001	
11/9/2012	2.4 (J)	
5/9/2013	8.5	
11/5/2013	4.2 (J)	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	4.4 (J)	
11/11/2015	4.2 (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	0.67 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		0.23 (J)

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<1	
6/16/2010	2 (J)	
7/28/2010	<1	
9/8/2010	<1	
4/29/2011	3 (J)	
10/27/2011	2.7 (J)	
5/4/2012	<1	
11/11/2012	2.2 (J)	
5/9/2013	7	
11/5/2013	4.8 (J)	
5/21/2014	<1	
11/12/2014	2 (J)	
5/23/2015	3.5 (J)	
11/12/2015	3.2 (J)	
4/13/2016	<1 (D)	
6/21/2016	<1	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1



# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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	3.2 (J)	
10/27/2011	2.7 (J)	
5/4/2012	<0.001	
11/10/2012	2.5 (J)	
5/9/2013	5.1	
11/6/2013	3.7 (J)	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	3.7 (J)	
11/12/2015	3.8 (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		1.7

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<1	
6/18/2010	2.1	
7/29/2010	<1	
9/9/2010	<1	
4/26/2011	<1	
10/28/2011	<1	
5/4/2012	<1	
11/11/2012	<1	
5/8/2013	3.6	
11/7/2013	<1	
5/20/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/12/2015	<1	
4/13/2016	<1 (D)	
6/21/2016	<1	
8/15/2016	<1	
10/7/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/22/2017	<1	
10/6/2017	0.61 (J)	
3/22/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<1	
6/18/2010	<1	
7/28/2010	<1	
9/9/2010	<1	
4/30/2011	<1	
10/28/2011	<1	
5/3/2012	<1	
11/10/2012	<1	
5/8/2013	2.4	
11/5/2013	2.8	
5/20/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/11/2015	<1	
4/13/2016	<1 (D)	
6/21/2016	<1	
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		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<1	
6/16/2010	2.3 (J)	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	3.3 (J)	
10/28/2011	2.3 (J)	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	5.2	
11/6/2013	3 (J)	
5/23/2014	<1	
11/8/2014	<1	
5/22/2015	2.3 (J)	
11/10/2015	2.5 (J)	
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		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<1	
6/16/2010	2.2 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	2.9 (J)	
10/28/2011	2.1 (J)	
5/2/2012	<1	
11/9/2012	2 (J)	
5/9/2013	5.6	
11/6/2013	3.5 (J)	
5/22/2014	<1	
11/8/2014	<1	
5/23/2015	4.7 (J)	
11/10/2015	4.4 (J)	
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	0.9 (J)	
6/21/2017	<1	
10/5/2017	1.5	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		<1
9/12/2019		<1
3/19/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	3 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	3.7 (J)	
10/28/2011	3 (J)	
5/3/2012	<0.001	
11/9/2012	3 (J)	
5/9/2013	6.3	
11/5/2013	4.3 (J)	
5/22/2014	<0.001	
11/13/2014	2.1 (J)	
5/24/2015	4.3 (J)	
11/11/2015	3.2 (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		0.14 (J)

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	2.6 (J)	
6/17/2010	2.1 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	3.2 (J)	
10/28/2011	2.5 (J)	
5/3/2012	<1	
11/10/2012	<1	
5/9/2013	5.6	
11/6/2013	3.2 (J)	
5/22/2014	<1	
11/9/2014	<1	
5/24/2015	4.4 (J)	
11/10/2015	3.8 (J)	
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		<1
9/12/2019		<1
3/19/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	11	
6/17/2010	2.7 (J)	
7/28/2010	<1	
9/7/2010	<1	
4/29/2011	3.8 (J)	
10/28/2011	<1	
5/3/2012	<1	
11/9/2012	2.9 (J)	
5/10/2013	6.1	
11/6/2013	2.5 (J)	
5/22/2014	<1	
11/9/2014	<1	
5/22/2015	3.4 (J)	
11/10/2015	2.1 (J)	
4/12/2016	<1 (D)	
6/20/2016	<1	
8/12/2016	<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	0.37 (J)	
3/26/2019		<1
9/10/2019		<1
3/18/2020		<1



# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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	2 (J)	
4/28/2011	4.2 (J)	
10/29/2011	3.6 (J)	
5/3/2012	<0.001	
11/10/2012	2.3 (J)	
5/10/2013	6.2	
11/6/2013	4.3 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	4.6 (J)	
11/11/2015	2.8 (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		0.19 (J)

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<1	
6/18/2010	2.4	
7/27/2010	<1	
9/9/2010	<1	
4/29/2011	2.8	
10/28/2011	<1	
5/4/2012	<1	
11/10/2012	<1	
5/9/2013	6.1	
11/6/2013	3.4	
5/22/2014	<1	
11/9/2014	<1	
5/24/2015	9.3 (O)	
11/11/2015	7.1	
4/19/2016	<1	
6/22/2016	<1	
8/16/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/22/2018	<1	
10/3/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<1	
6/18/2010	<1	
7/27/2010	<1	
9/9/2010	<1	
4/30/2011	3.4 (J)	
10/29/2011	4.1 (J)	
5/4/2012	<1	
11/10/2012	2.3 (J)	
5/9/2013	6.7	
11/7/2013	4.8 (J)	
5/21/2014	<1	
11/9/2014	<1	
5/24/2015	4.5 (J)	
11/11/2015	4.8 (J)	
4/12/2016	<1	
6/20/2016	<1	
8/12/2016	<1	
10/6/2016	<1	
11/30/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/6/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<1	
6/18/2010	2.7 (J)	
7/28/2010	<1	
9/9/2010	2 (J)	
4/30/2011	3.7 (J)	
10/29/2011	2.5 (J)	
5/4/2012	<1	
11/10/2012	3 (J)	
5/9/2013	6.4	
11/7/2013	3.7 (J)	
5/21/2014	<1	
11/12/2014	<1	
5/24/2015	5.3 (J)	
11/11/2015	2.2 (J)	
4/13/2016	<1 (D)	
6/20/2016	<1	
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		<1
9/11/2019		<1
3/19/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<1	
6/19/2010	<1	
7/28/2010	<1	
9/8/2010	2.3 (J)	
4/30/2011	11 (O)	
10/27/2011	5.5	
5/4/2012	2.9 (J)	
11/11/2012	5.2	
5/10/2013	23 (O)	
11/7/2013	8.3	
5/21/2014	<1	
11/13/2014	8.5	
5/23/2015	7.7	
11/11/2015	8	
4/19/2016	<1	
10/10/2016	<1	
12/1/2016	0.47 (J)	
2/9/2017	1.2 (J)	
4/7/2017	<1	
6/21/2017	<1	
8/15/2017	<1	
9/1/2017	<1	
10/9/2017	<1	
3/22/2018	<1	
10/4/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Lead, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<1	
6/16/2010	3 (J)	
7/27/2010	<1	
9/8/2010	<1	
4/29/2011	3.9 (J)	
10/27/2011	4.3 (J)	
5/3/2012	<1	
11/11/2012	2.5 (J)	
5/9/2013	6.7	
11/6/2013	6.9	
5/21/2014	<1	
11/12/2014	2 (J)	
5/23/2015	3 (J)	
11/12/2015	4.4 (J)	
4/13/2016	<1 (D)	
6/22/2016	<1	
8/15/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/5/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/22/2015	<5	
11/11/2015	<5	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/4/2016	<5	
11/30/2016	<5	
2/7/2017	<5	
4/4/2017	0.67 (J)	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (D)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/9/2015	4.3	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/4/2016	<5	
11/29/2016	0.24 (J)	
2/7/2017	<5	
4/4/2017	1.7	
6/20/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<5	
6/16/2010	<5	
7/26/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	4.4	
11/6/2013	<5	
5/20/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/9/2015	<5	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/7/2017	<5	
4/4/2017	<5	
6/20/2017	<5	
10/5/2017	0.27 (J)	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<5	
6/17/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/28/2011	<5	
10/29/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/23/2014	<5	
11/13/2014	<5	
5/23/2015	5.3	
11/11/2015	<5	
4/12/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/4/2016	0.37 (J)	
11/30/2016	<5	
2/7/2017	<5	
4/5/2017	<5	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (X)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5



# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<5	
6/16/2010	<5	
7/28/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/11/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/23/2015	4.3	
11/12/2015	4.6	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/2/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/24/2015	5	
11/12/2015	4.2	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	0.31 (J)	
6/20/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/2/2018	<5	
3/27/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<5	
6/18/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/28/2011	4	
5/3/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/23/2015	<5	
11/12/2015	<5	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/5/2017	<5	
6/20/2017	<5	
10/5/2017	<5	
3/21/2018	<5 (D)	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/10/2012	<5	
5/8/2013	<5	
11/5/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/24/2015	<5	
11/11/2015	5.2	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/4/2016	<5	
12/1/2016	0.25 (J)	
2/7/2017	<5	
4/6/2017	<5	
6/20/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<5	
6/16/2010	<5	
7/26/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/6/2013	<5	
5/23/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/10/2015	4.1	
4/11/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/22/2014	<5	
11/8/2014	<5	
5/23/2015	<5	
11/10/2015	4.4	
4/11/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/8/2017	<5	
4/5/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/12/2019		<5
3/19/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<5	
6/19/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/28/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/22/2014	<5	
11/13/2014	<5	
5/24/2015	4.4	
11/11/2015	4.5	
4/12/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/4/2016	<5	
11/30/2016	<5	
2/7/2017	<5	
4/6/2017	2.3	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (X)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<5	
6/17/2010	<5	
7/28/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/10/2013	<5	
11/6/2013	<5	
5/22/2014	<5	
11/9/2014	<5	
5/22/2015	<5	
11/10/2015	<5	
4/12/2016	<5 (D)	
6/20/2016	<5	
8/12/2016	0.36 (J)	
10/5/2016	<5	
11/30/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/3/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5



# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<5	
6/18/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/29/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/9/2014	<5	
5/24/2015	<5	
11/11/2015	7	
4/12/2016	<5	
6/20/2016	0.32 (J)	
8/12/2016	0.35 (J)	
10/6/2016	0.29 (J)	
11/30/2016	0.26 (J)	
2/9/2017	<5	
4/6/2017	<5	
6/21/2017	0.31 (J)	
10/6/2017	<5	
3/21/2018	<5 (X)	
10/3/2018	0.56 (J)	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/29/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/24/2015	5.3	
11/11/2015	4.9	
4/13/2016	<5 (D)	
6/20/2016	<5	
8/15/2016	<5	
10/6/2016	<5	
12/1/2016	<5	
2/9/2017	<5	
4/7/2017	<5	
6/22/2017	<5	
10/6/2017	<5	
3/22/2018	<5	
10/4/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/19/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<5	
6/19/2010	<5	
7/28/2010	<5	
9/8/2010	<5	
4/30/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/11/2012	<5	
5/10/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/13/2014	<5	
5/23/2015	4.5	
11/11/2015	4.3	
4/19/2016	<5	
10/10/2016	<5	
12/1/2016	<5	
2/9/2017	<5	
4/7/2017	<5	
6/21/2017	<5	
8/15/2017	<5	
9/1/2017	0.44 (J)	
10/9/2017	<5	
3/22/2018	0.32 (J)	
10/4/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Selenium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/3/2012	<5	
11/11/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/23/2015	<5	
11/12/2015	6.5	
4/13/2016	<5 (D)	
6/22/2016	<5	
8/15/2016	<5	
10/6/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5 (X)	
10/2/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5

# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<1	
6/16/2010	<1	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	<1	
10/28/2011	<1	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	0.3	
11/6/2013	<1	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	<1	
11/9/2015	<1	
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		0.21 (J)
3/18/2020		<1

# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<1	
6/16/2010	<1	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	<1	
10/28/2011	<1	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	<1	
11/6/2013	<1	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	<1	
11/9/2015	<1	
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		<1
9/10/2019		0.23 (J)
3/18/2020		<1

# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.5	
6/17/2010	<0.5	
7/27/2010	<0.5	
9/9/2010	<0.5	
4/28/2011	<0.5	
10/29/2011	<0.5	
5/3/2012	<0.5	
11/9/2012	<0.5	
5/9/2013	<0.5	
11/5/2013	<0.5	
5/23/2014	<0.5	
11/13/2014	<0.5	
5/23/2015	<0.5	
11/11/2015	<0.5	
4/12/2016	<0.5	
6/16/2016	<0.5	
8/11/2016	<0.5	
10/4/2016	<0.5	
11/30/2016	<0.5	
2/7/2017	<0.5	
4/5/2017	<0.5	
6/20/2017	<0.5	
10/4/2017	<0.5	
3/20/2018	<0.5	
10/2/2018	<0.5	
3/26/2019		<0.5
9/10/2019		<0.5
3/18/2020		0.49 (J)

# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.5	
6/19/2010	<0.5	
7/27/2010	<0.5	
9/9/2010	<0.5	
4/28/2011	<0.5	
10/28/2011	<0.5	
5/3/2012	<0.5	
11/9/2012	<0.5	
5/9/2013	<0.5	
11/5/2013	<0.5	
5/22/2014	<0.5	
11/13/2014	<0.5	
5/24/2015	<0.5	
11/11/2015	<0.5	
4/12/2016	<0.5	
6/16/2016	<0.5	
8/11/2016	<0.5	
10/4/2016	<0.5	
11/30/2016	<0.5	
2/7/2017	<0.5	
4/6/2017	<0.5	
6/20/2017	<0.5	
10/4/2017	<0.5	
3/20/2018	<0.5	
10/2/2018	<0.5	
3/26/2019		<0.5
9/10/2019		<0.5
3/18/2020		0.25 (J)



# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.5	
6/17/2010	<0.5	
7/28/2010	<0.5	
9/8/2010	<0.5	
4/28/2011	<0.5	
10/29/2011	<0.5	
5/3/2012	<0.5	
11/10/2012	<0.5	
5/10/2013	<0.5	
11/6/2013	<0.5	
5/22/2014	<0.5	
11/9/2014	<0.5	
5/22/2015	<0.5	
11/11/2015	<0.5	
4/12/2016	<0.5	
6/20/2016	<0.5	
8/12/2016	<0.5	
10/6/2016	<0.5	
11/30/2016	<0.5	
2/8/2017	<0.5	
4/6/2017	<0.5	
6/22/2017	<0.5	
10/6/2017	<0.5	
3/21/2018	<0.5	
10/3/2018	<0.5	
3/26/2019		<0.5
9/10/2019		<0.5
3/19/2020		0.36 (J)

# Prediction Limit

Constituent: Thallium, Total (ug/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<1	
6/18/2010	<1	
7/28/2010	<1	
9/9/2010	<1	
4/30/2011	<1	
10/29/2011	0.27	
5/4/2012	<1	
11/10/2012	<1	
5/9/2013	<1	
11/7/2013	0.26	
5/21/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/11/2015	<1	
4/13/2016	<1 (D)	
6/20/2016	<1	
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		<1
9/11/2019		<1
3/19/2020		<1

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0014	
6/18/2010	<0.0014	
7/28/2010	<0.0014	
9/9/2010	<0.0014	
4/30/2011	<0.0014	
10/28/2011	<0.0014	
5/2/2012	<0.0014	
11/9/2012	<0.0014	
5/8/2013	<0.0014	
11/5/2013	<0.0014	
5/20/2014	<0.0014	
11/12/2014	0.0035 (J)	
5/22/2015	<0.0014	
11/11/2015	<0.0014	
4/6/2016	<0.0014	
10/4/2016	0.0031	
4/4/2017	<0.0014	
10/4/2017	0.0021 (J)	
3/20/2018	<0.0014 (D)	
10/2/2018	<0.0014	
3/26/2019		<0.0014
9/10/2019		0.0022
3/18/2020		0.0011

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters  
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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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	<0.0014	
3/27/2019		0.003
9/11/2019		0.0042
3/18/2020		0.0031

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0065	
6/18/2010	<0.0065	
7/27/2010	<0.0065	
9/9/2010	<0.0065	
4/29/2011	<0.0065	
10/28/2011	<0.0065	
5/4/2012	<0.0065	
11/10/2012	<0.0065	
5/9/2013	<0.0065	
11/6/2013	<0.0065	
5/22/2014	<0.0065	
11/9/2014	<0.0065	
5/24/2015	<0.0065	
11/11/2015	0.0089 (J)	
4/19/2016	0.0133 (O)	
10/6/2016	<0.0065	
4/6/2017	0.0087 (J)	
10/5/2017	0.0078 (J)	
3/22/2018	0.0086 (J)	
10/3/2018	<0.0065	
3/27/2019		<0.0065
9/11/2019		0.0074
3/18/2020		0.0045 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:44 AM View: State Parameters

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

FIGURE F.

# State Parameters Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:54 AM

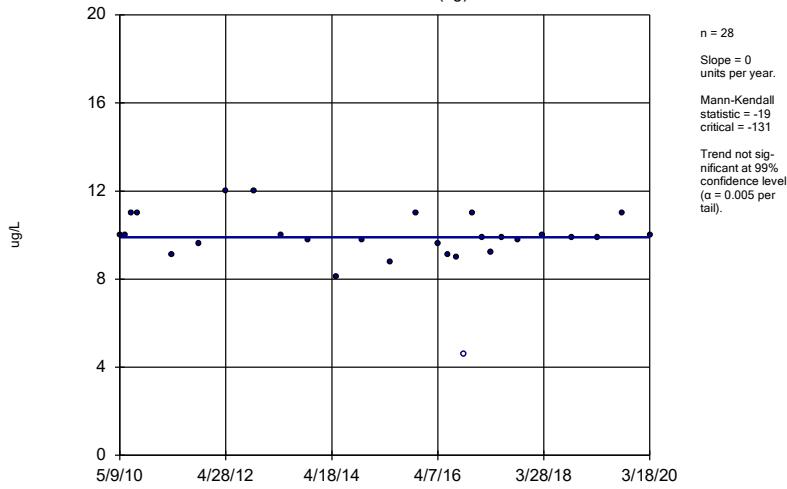
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (ug/L)	GWA-16 (bg)	-0.5681	-157	-131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWA-17 (bg)	-1.302	-158	-131	Yes	28	3.571	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-10	0.8154	201	131	Yes	28	7.143	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-13	0.83	162	131	Yes	28	0	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWA-15 (bg)	-0.08896	-135	-124	Yes	27	55.56	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWC-8A	0.05141	148	111	Yes	25	56	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWC-5	1.678	138	131	Yes	28	42.86	n/a	n/a	0.01	NP

# State Parameters Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:54 AM

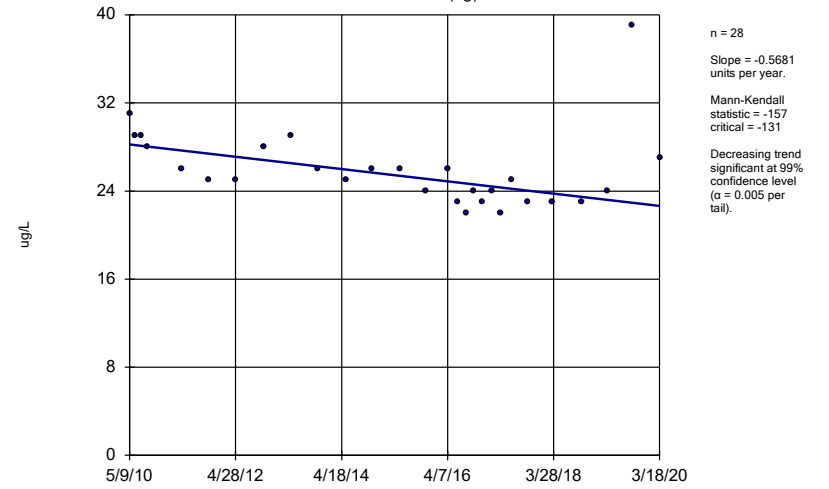
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (ug/L)	GWA-15 (bg)	0	-19	-131	No	28	3.571	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.5681</b>	<b>-157</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (ug/L)</b>	<b>GWA-17 (bg)</b>	<b>-1.302</b>	<b>-158</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>3.571</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>0.8154</b>	<b>201</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>7.143</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium, Total (ug/L)	GWC-11	0	-64	-131	No	28	7.143	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWC-13</b>	<b>0.83</b>	<b>162</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 (ug/L)	GWC-19	0.1601	102	131	No	28	3.571	n/a	n/a	0.01	NP
<b>Cobalt, Total (ug/L)</b>	<b>GWA-15 (bg)</b>	<b>-0.08896</b>	<b>-135</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>55.56</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Cobalt, Total (ug/L)	GWA-16 (bg)	0	-49	-124	No	27	88.89	n/a	n/a	0.01	NP
Cobalt, Total (ug/L)	GWA-17 (bg)	0	-27	-131	No	28	92.86	n/a	n/a	0.01	NP
<b>Cobalt, Total (ug/L)</b>	<b>GWC-8A</b>	<b>0.05141</b>	<b>148</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>
Selenium, Total (ug/L)	GWA-15 (bg)	0	-13	-131	No	28	96.43	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWA-16 (bg)	0	-22	-131	No	28	89.29	n/a	n/a	0.01	NP
Selenium, Total (ug/L)	GWA-17 (bg)	0	-7	-131	No	28	92.86	n/a	n/a	0.01	NP
<b>Selenium, Total (ug/L)</b>	<b>GWC-5</b>	<b>1.678</b>	<b>138</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>42.86</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

### Sen's Slope Estimator GWA-15 (bg)



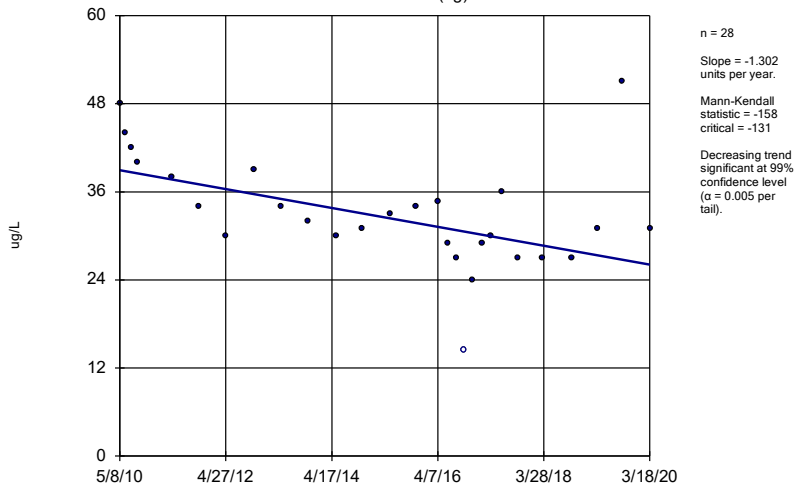
Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-16 (bg)



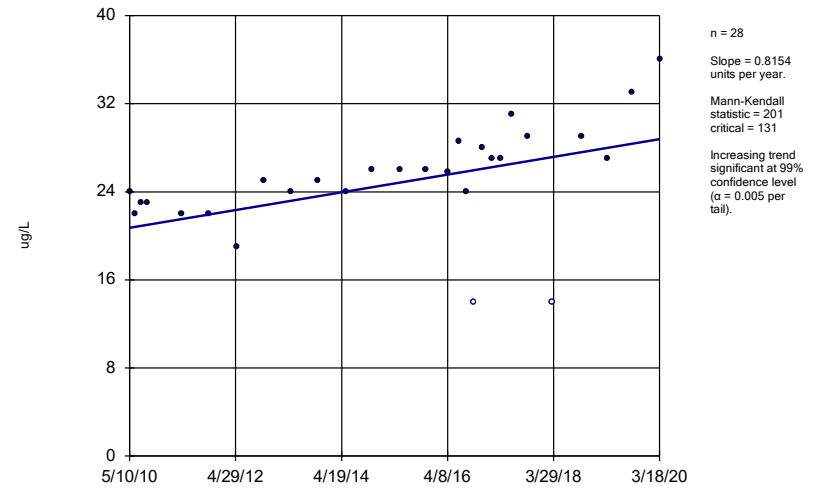
Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator GWA-17 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

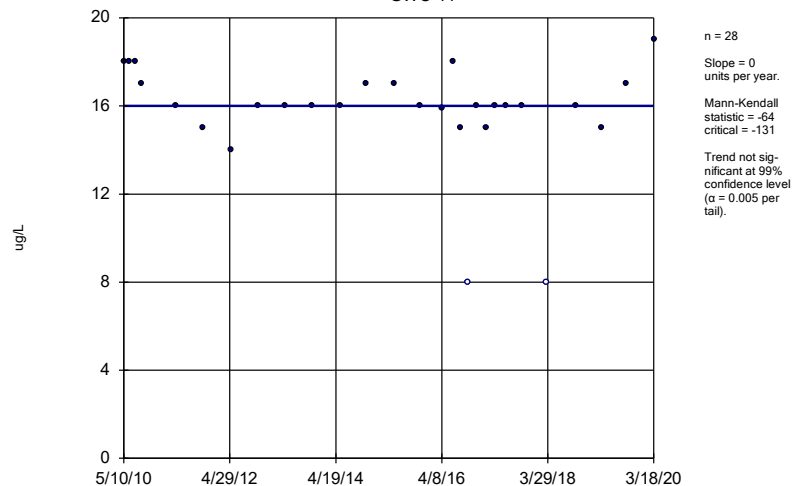
### Sen's Slope Estimator GWC-10



Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

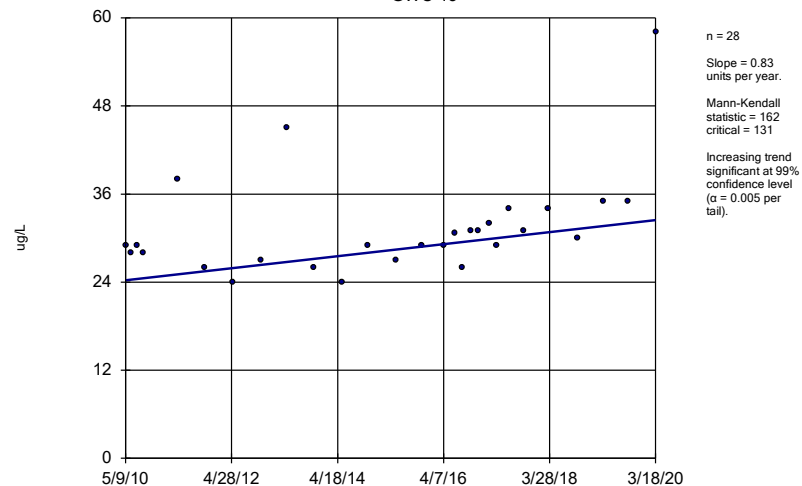
GWC-11



Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

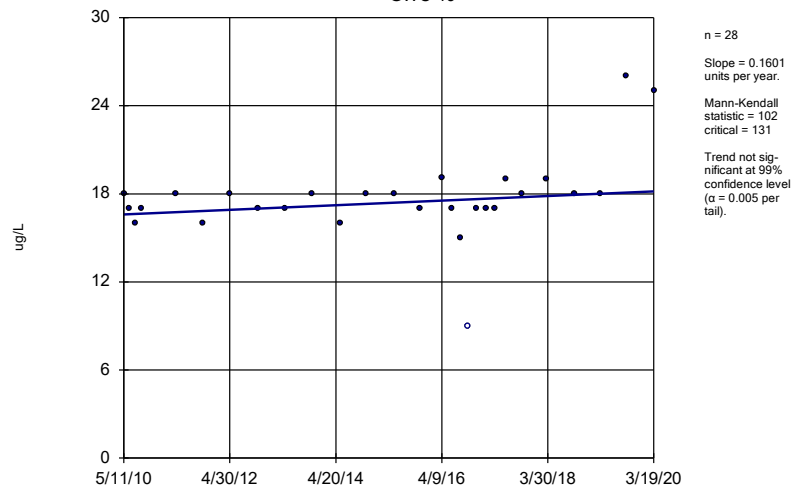
GWC-13



Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

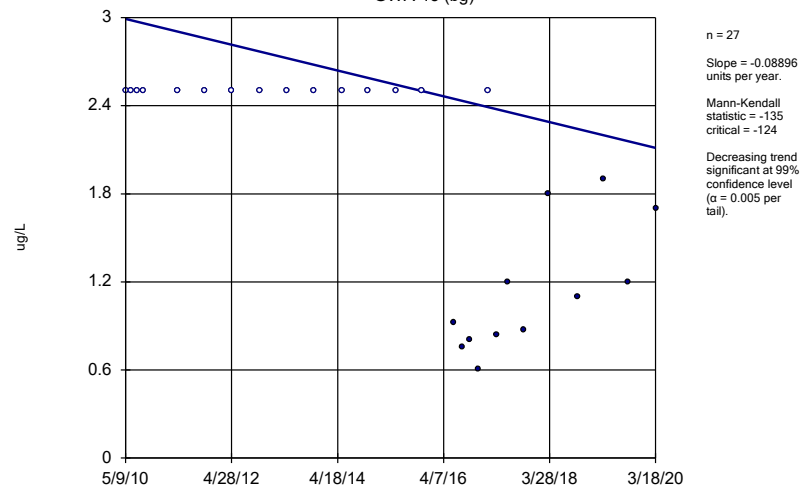
GWC-19



Constituent: Barium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

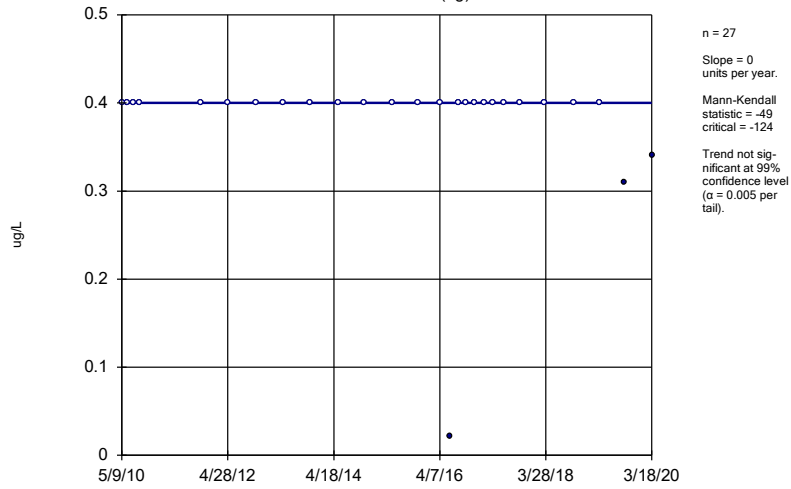
### Sen's Slope Estimator

GWA-15 (bg)



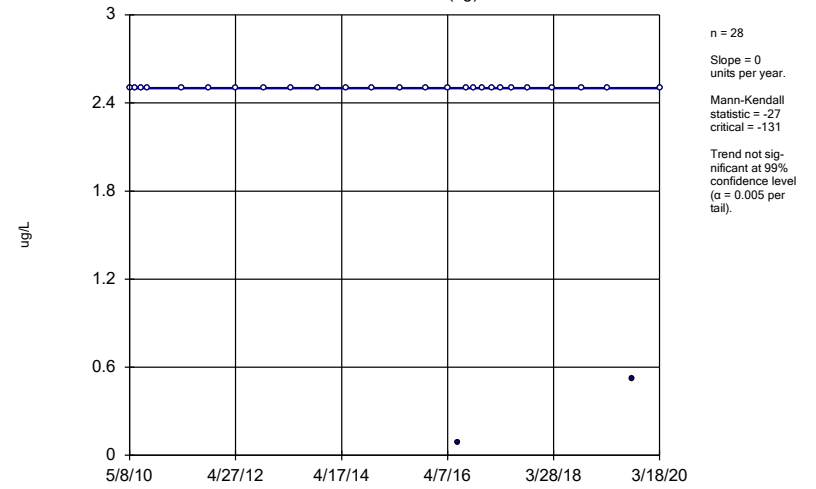
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



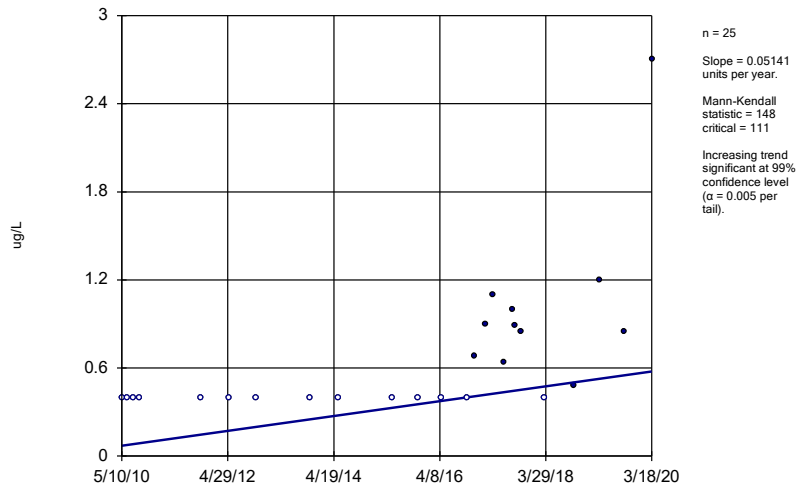
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



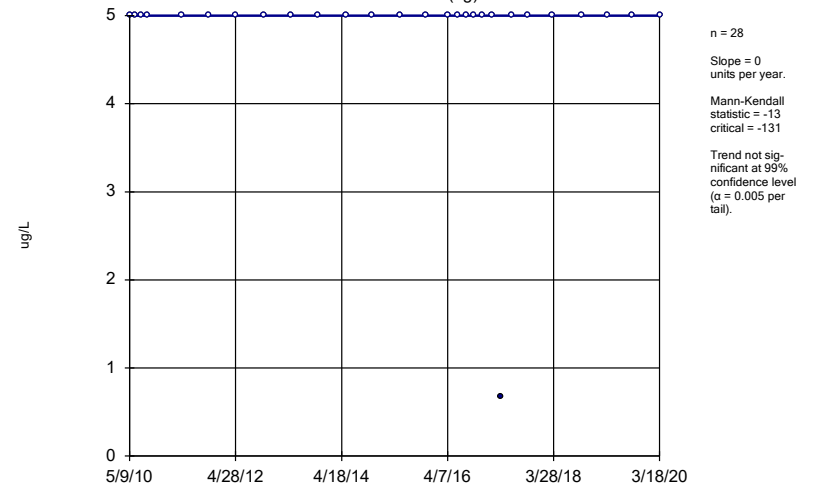
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-8A



Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)

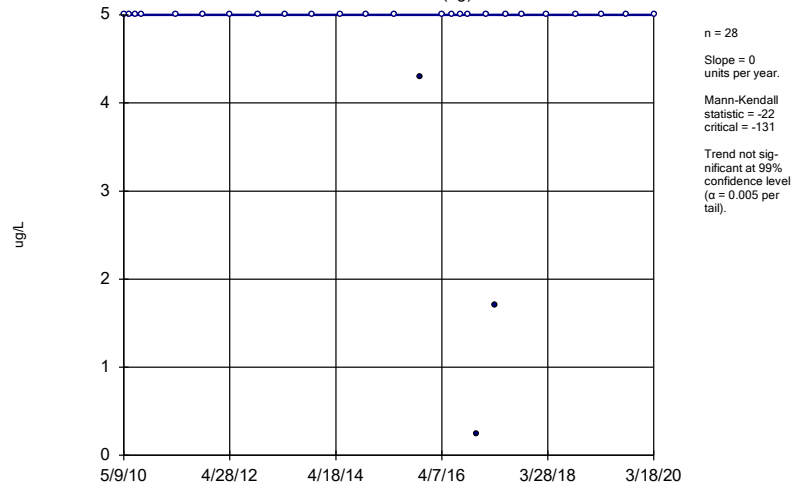


Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



### Sen's Slope Estimator

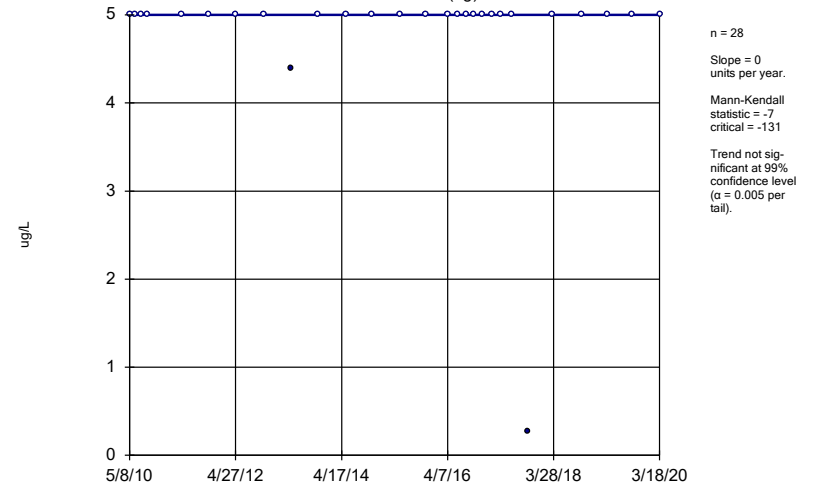
GWA-16 (bg)



Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

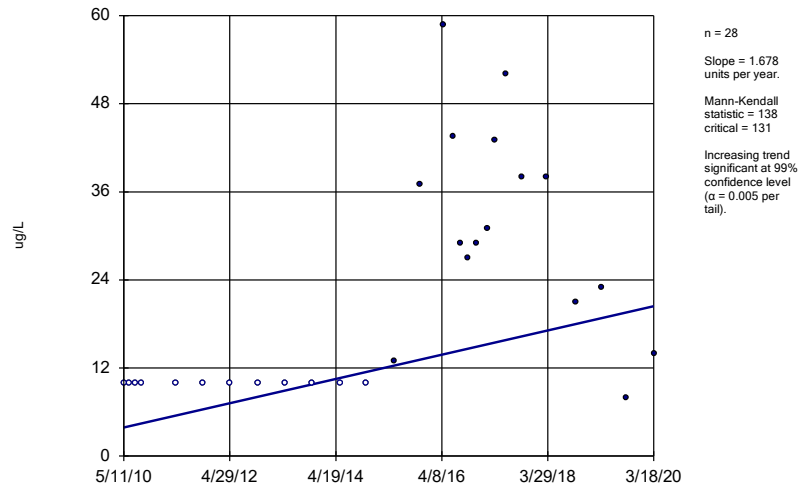
GWA-17 (bg)



Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWC-5



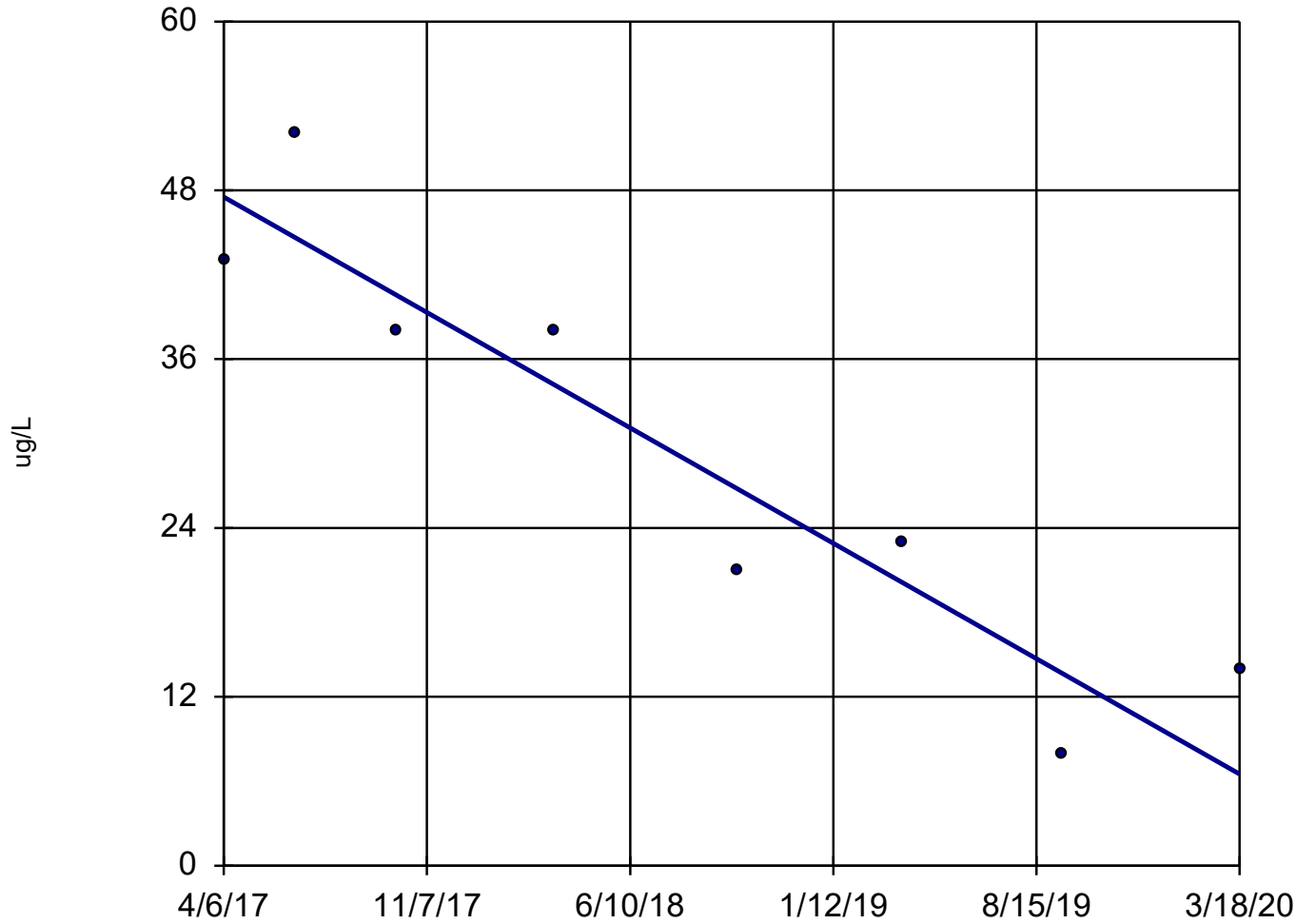
Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# State Parameter Trend Tests - Selenium GWC-5

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 12:46 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>
Selenium, Total (ug/L)	GWC-5	-13.9	-21	-21	No	8	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator GWC-5



n = 8  
Slope = -13.9  
units per year.  
Mann-Kendall  
statistic = -21  
critical = -21  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Selenium, Total    Analysis Run 6/19/2020 12:45 PM    View: State Parameters - Trend Tests  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

FIGURE G.

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 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-12	1.461	n/a	3/18/2020	1.6	Yes	11	1.063	0.1355	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-13	7.811	n/a	3/18/2020	9.3	Yes	11	6.186	0.5526	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-19	13.6	n/a	3/19/2020	14	Yes	11	10.72	0.9806	0	None	No	0.0004426	Param 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	3/18/2020	53	Yes	10	25.9	6.402	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-10	2.684	n/a	3/18/2020	4.1	Yes	11	2.24	0.151	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-12	2.068	n/a	3/18/2020	2.1	Yes	11	1.709	0.1221	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-19	2.038	n/a	3/19/2020	2.2	Yes	11	1.731	0.1044	0	None	No	0.0004426	Param 1 of 2
Chloride, Total (mg/L)	GWC-7	2	n/a	3/19/2020	2.1	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.51	6.35	3/19/2020	6.27	Yes	14	n/a	n/a	0	n/a	n/a	0.01722	NP (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	1.2	n/a	3/18/2020	3.1	Yes	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.408	n/a	3/18/2020	2.4	Yes	11	0.7273	0.2315	27.27	Kaplan-Meier	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	0.7	n/a	3/18/2020	1.3	Yes	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	0.7	n/a	3/18/2020	25	Yes	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	243.6	n/a	3/18/2020	300	Yes	9	184.3	18.14	0	None	No	0.0004426	Param 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Obsrv.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-15	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-16	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-17	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-14	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-2	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-4	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6949	n/a	3/18/2020	0.26	No	11	0.3662	0.1118	9.091	None	No	0.0004426	Param 1 of 2	
Boron, total (mg/L)	GWC-6	0.08	n/a	3/18/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3698	n/a	3/18/2020	0.16	No	10	0.1925	0.05799	0	None	No	0.0004426	Param 1 of 2	
Boron, total (mg/L)	GWC-9	0.136	n/a	3/18/2020	0.058J	No	11	0.09197	0.01496	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWA-15	5.715	n/a	3/18/2020	3.8	No	11	4.238	0.502	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWA-16	15.17	n/a	3/18/2020	12	No	11	11.63	1.205	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWA-17	8.816	n/a	3/18/2020	7.3	No	11	6.435	0.8099	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-1	21.22	n/a	3/18/2020	19	No	11	17.08	1.406	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-10	20.38	n/a	3/18/2020	20	No	11	16.18	1.427	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-11	15.38	n/a	3/18/2020	14	No	11	12.58	0.9527	0	None	No	0.0004426	Param 1 of 2	
<b>Calcium, total (mg/L)</b>	<b>GWC-12</b>	<b>1.461</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>1.6</b>	<b>Yes11</b>	<b>1.063</b>	<b>0.1355</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
<b>Calcium, total (mg/L)</b>	<b>GWC-13</b>	<b>7.811</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>9.3</b>	<b>Yes11</b>	<b>6.186</b>	<b>0.5526</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Calcium, total (mg/L)	GWC-14	7.734	n/a	3/18/2020	6.9	No	11	6.326	0.4788	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-18	12.43	n/a	3/18/2020	11	No	11	10.34	0.7117	0	None	No	0.0004426	Param 1 of 2	
<b>Calcium, total (mg/L)</b>	<b>GWC-19</b>	<b>13.6</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>14</b>	<b>Yes11</b>	<b>10.72</b>	<b>0.9806</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Calcium, total (mg/L)	GWC-2	21.47	n/a	3/18/2020	18	No	11	17.25	1.436	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-20	16.51	n/a	3/19/2020	14	No	11	13.5	1.025	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-3	11.03	n/a	3/18/2020	5.9	No	11	8.484	0.867	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-4	17.38	n/a	3/19/2020	14	No	11	12.27	1.738	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-5	221.6	n/a	3/18/2020	61	No	11	126.5	32.34	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-6	21.43	n/a	3/18/2020	15	No	11	18.3	1.063	0	None	No	0.0004426	Param 1 of 2	
Calcium, total (mg/L)	GWC-7	16.62	n/a	3/19/2020	15	No	11	13.98	0.8965	0	None	No	0.0004426	Param 1 of 2	
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>45.47</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>53</b>	<b>Yes10</b>	<b>25.9</b>	<b>6.402</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Calcium, total (mg/L)	GWC-9	20.4	n/a	3/18/2020	16	No	11	17.34	1.041	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWA-15	6.429	n/a	3/18/2020	5.4	No	11	1.684	0.06022	0	None	ln(x)	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWA-16	2.185	n/a	3/18/2020	1.7	No	11	1.681	0.1714	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWA-17	2.013	n/a	3/18/2020	2	No	11	1.599	0.1407	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-1	4.646	n/a	3/18/2020	4.2	No	11	3.911	0.25	0	None	No	0.0004426	Param 1 of 2	
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.684</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>4.1</b>	<b>Yes11</b>	<b>2.24</b>	<b>0.151</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Chloride, Total (mg/L)	GWC-11	2.095	n/a	3/18/2020	1.9	No	11	1.771	0.11	0	None	No	0.0004426	Param 1 of 2	
<b>Chloride, Total (mg/L)</b>	<b>GWC-12</b>	<b>2.068</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>2.1</b>	<b>Yes11</b>	<b>1.709</b>	<b>0.1221</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Chloride, Total (mg/L)	GWC-13	2.066	n/a	3/18/2020	1.6	No	11	1.529	0.1825	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-14	3.353	n/a	3/18/2020	3	No	11	2.901	0.1537	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-18	2.729	n/a	3/18/2020	2.7	No	11	2.448	0.09558	0	None	No	0.0004426	Param 1 of 2	
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.038</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>2.2</b>	<b>Yes11</b>	<b>1.731</b>	<b>0.1044</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2	
Chloride, Total (mg/L)	GWC-2	2.621	n/a	3/18/2020	2.4	No	11	2.167	0.1542	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-20	2.468	n/a	3/19/2020	2.2	No	11	7.164	2.677	9.091	None	x^3	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-3	3.838	n/a	3/18/2020	2.8	No	11	3.331	0.1724	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-4	17.66	n/a	3/19/2020	8.7	No	11	6.897	3.661	0	None	No	0.0004426	Param 1 of 2	
Chloride, Total (mg/L)	GWC-5	139	n/a	3/18/2020	30	No	11	79.36	20.28	0	None	No	0.0004426	Param 1 of 2	



# Appendix III Intrawell Prediction Limits - All Results

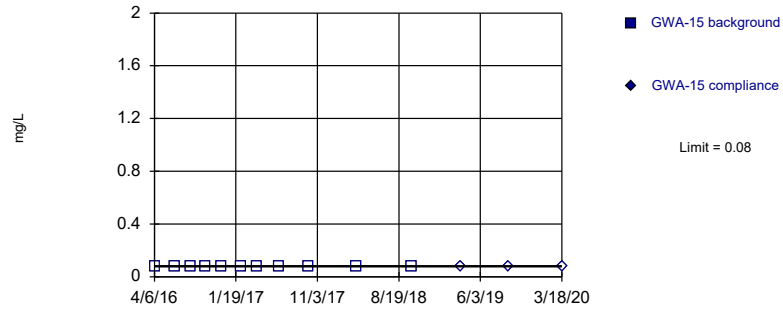
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 AM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig. Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	3/19/2020	0.71J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	3/18/2020	0.6J	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.762	n/a	3/19/2020	4.6	No	11	2.996	1.28	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	652.6	n/a	3/18/2020	170	No	11	392.3	88.53	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	18.05	n/a	3/18/2020	5.6	No	11	10.87	2.441	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	0.7	n/a	3/19/2020	0.54J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	47.6	n/a	3/18/2020	16	No	10	35.37	3.999	0	None	No	0.0004426	Param 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	18.57	n/a	3/18/2020	6.9	No	11	10.56	2.725	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	77.6	n/a	3/18/2020	43	No	11	36.23	14.07	9.091	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	168.3	n/a	3/18/2020	93	No	11	97.36	24.13	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	150.4	n/a	3/18/2020	75	No	11	66	28.72	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	169.9	n/a	3/18/2020	130	No	11	130.6	13.36	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.9	n/a	3/18/2020	140	No	10	123.7	18.7	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	326.5	n/a	3/18/2020	100	No	11	4.684	0.3756	0	None	ln(x)	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	124.8	n/a	3/18/2020	26	No	11	4.14	2.39	36.36	Kaplan-Meier	sqrt(x)	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	122.5	n/a	3/18/2020	100	No	10	56.2	21.69	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	113.8	n/a	3/18/2020	57	No	11	57.09	19.29	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	129.5	n/a	3/18/2020	92	No	11	84.09	15.44	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	175.6	n/a	3/19/2020	110	No	11	86.82	30.2	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	204.2	n/a	3/18/2020	140	No	11	111.2	31.62	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	152.7	n/a	3/19/2020	120	No	11	101.7	17.32	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	117	n/a	3/18/2020	72	No	11	82.18	11.85	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	173.3	n/a	3/19/2020	130	No	11	115.5	19.65	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1520	n/a	3/18/2020	430	No	11	978.2	184.3	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	190.4	n/a	3/18/2020	140	No	11	149.3	13.98	0	None	No	0.0004426	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	164.3	n/a	3/19/2020	98	No	11	118.9	15.45	0	None	No	0.0004426	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>243.6</b>	<b>n/a</b>	<b>3/18/2020</b>	<b>300</b>	<b>Yes</b>	<b>9</b>	<b>184.3</b>	<b>18.14</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	261.2	n/a	3/18/2020	130	No	11	139.8	41.28	0	None	No	0.0004426	Param 1 of 2



Within Limit

Prediction Limit  
Intrawell Non-parametric

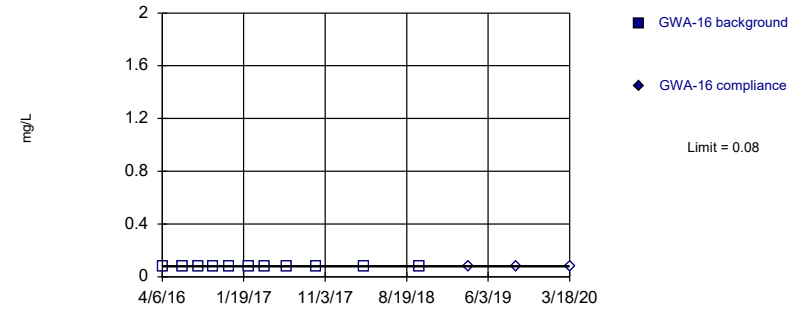


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

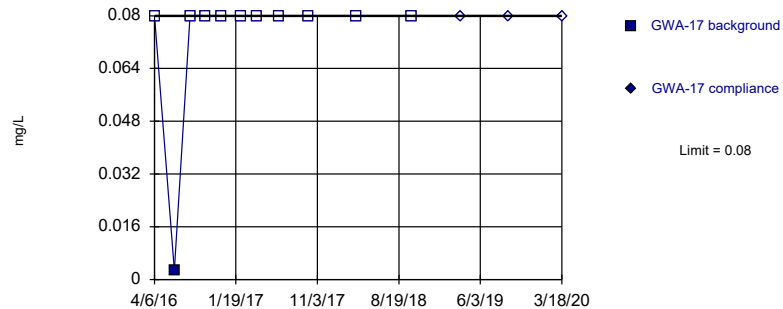


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

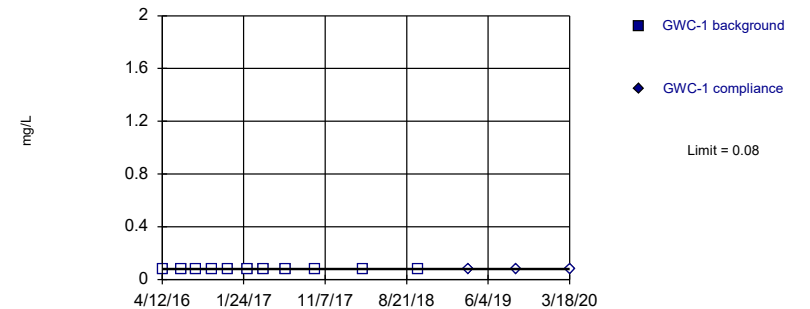


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

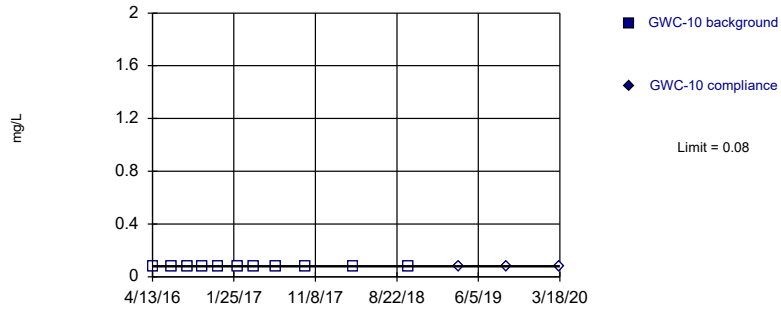


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

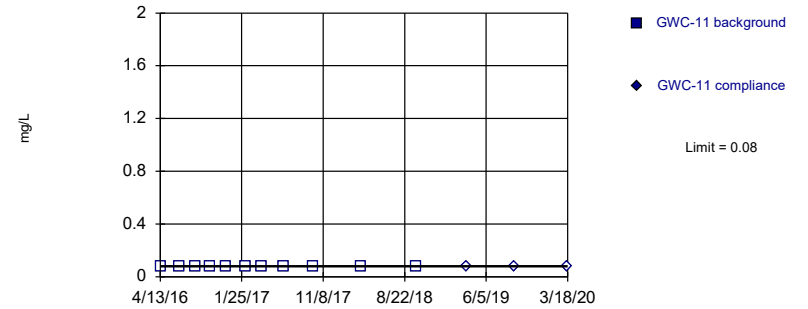


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

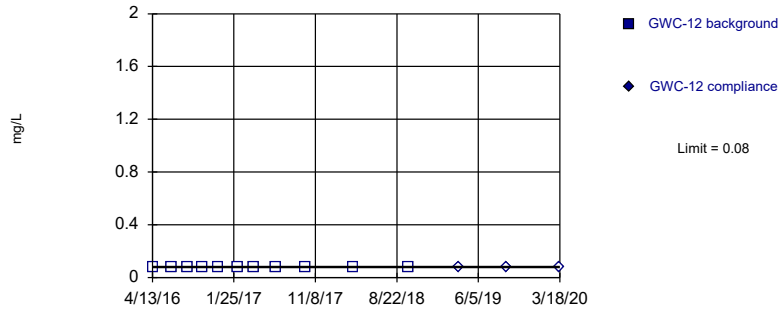


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

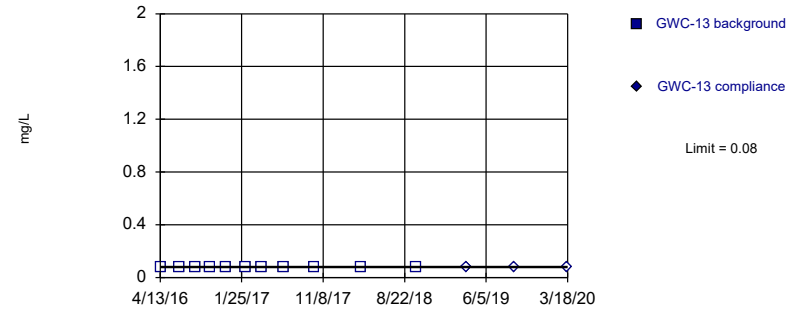


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

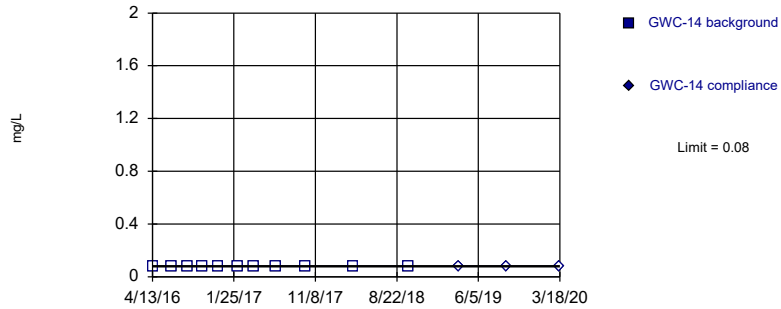


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

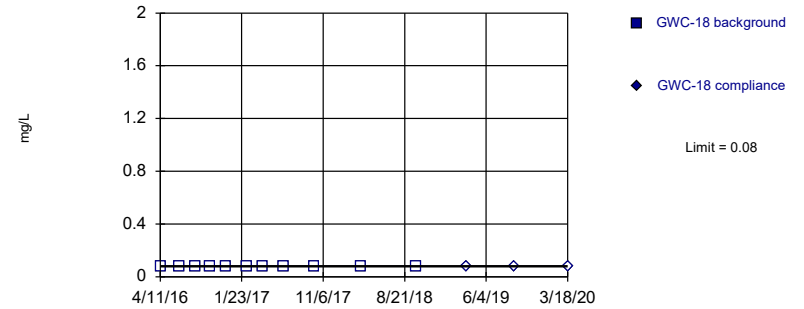


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

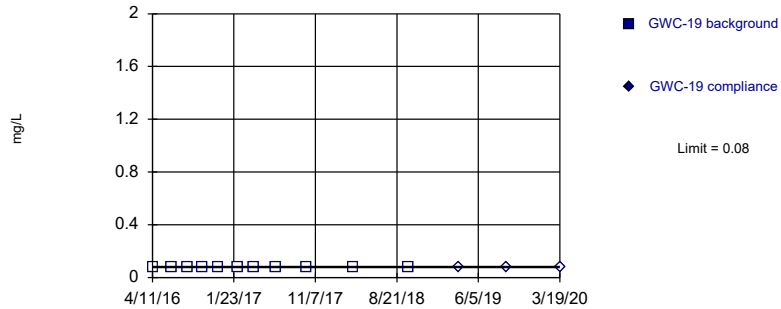


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

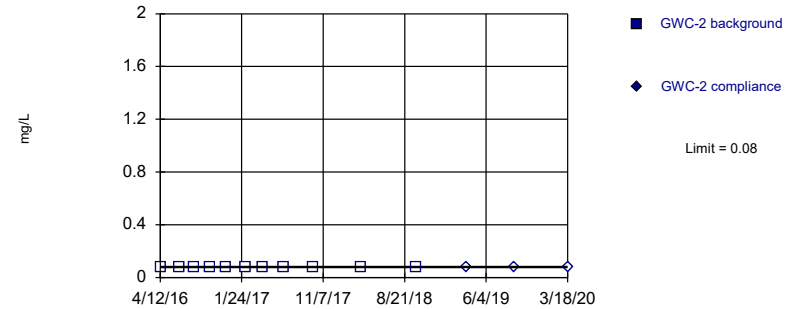


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

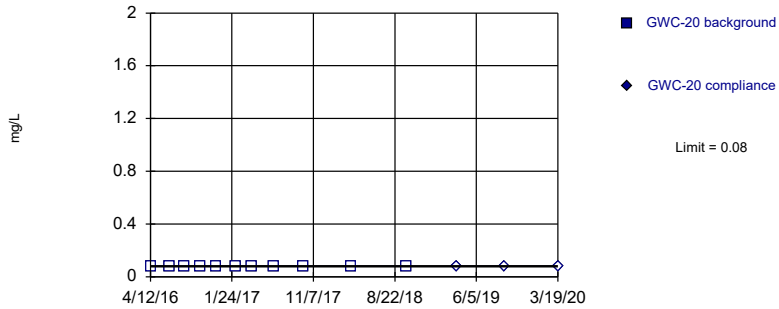


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

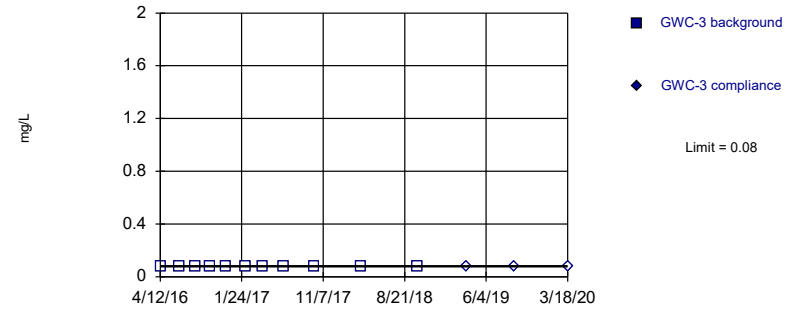


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

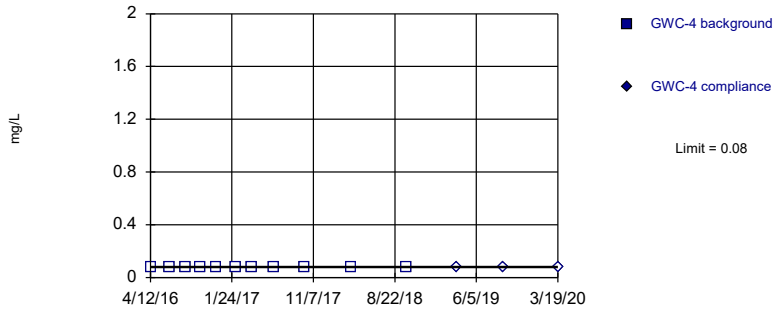


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

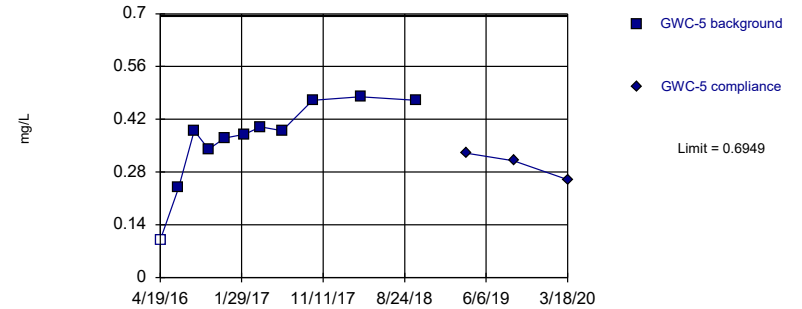


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

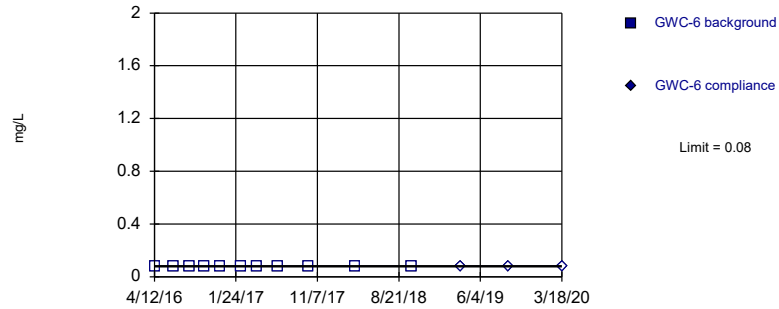


Background Data Summary: Mean=0.3662, Std. Dev.=0.1118, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

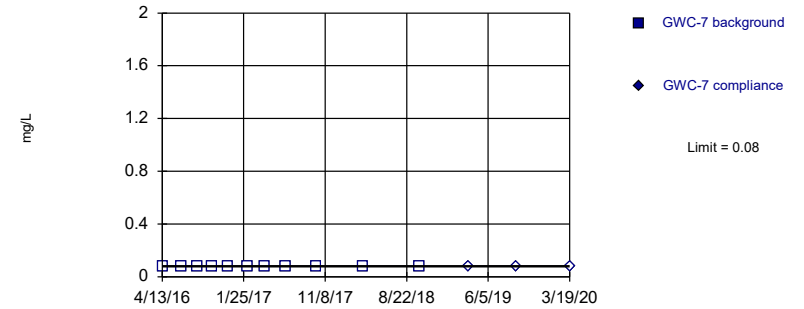


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

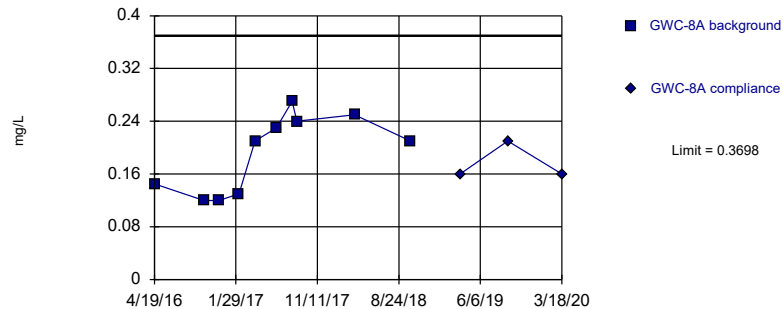


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

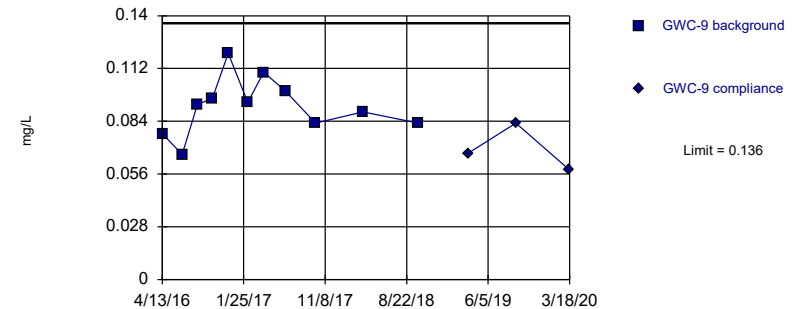


Background Data Summary: Mean=0.1925, Std. Dev.=0.05799, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

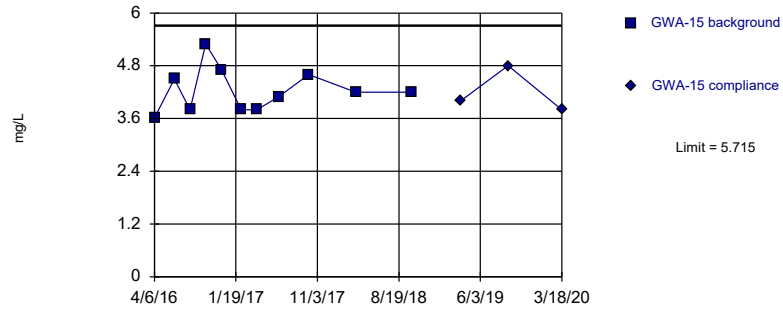


Background Data Summary: Mean=0.09197, Std. Dev.=0.01496, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9843, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

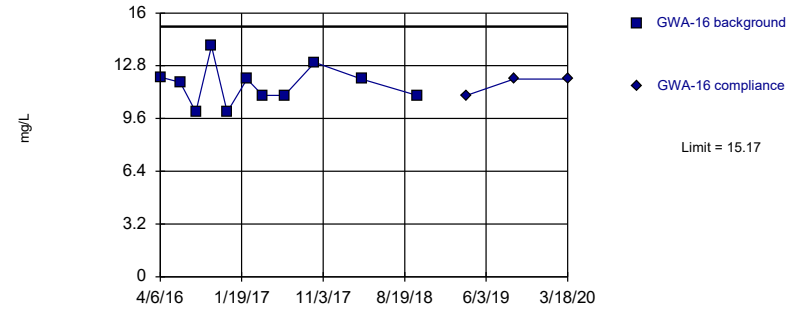


Background Data Summary: Mean=4.238, Std. Dev.=0.502, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9253, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

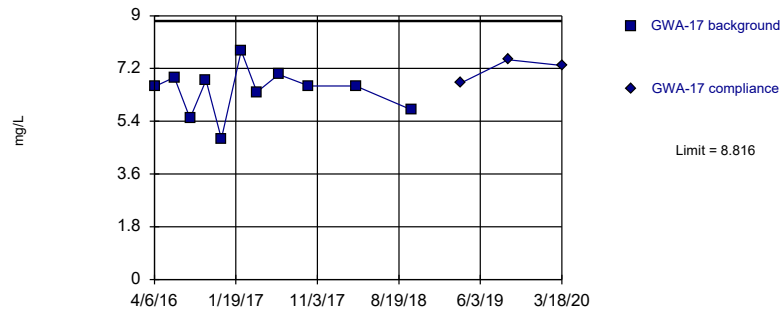


Background Data Summary: Mean=11.63, Std. Dev.=1.205, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

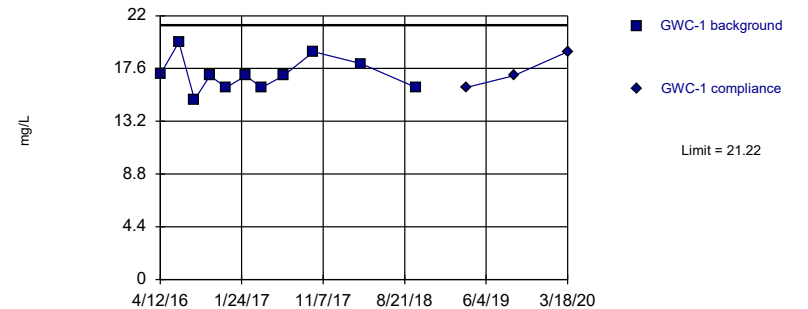


Background Data Summary: Mean=6.435, Std. Dev.=0.8099, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

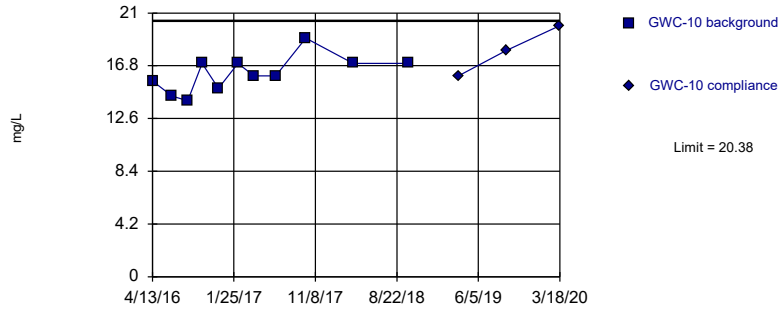


Background Data Summary: Mean=17.08, Std. Dev.=1.406, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9316, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

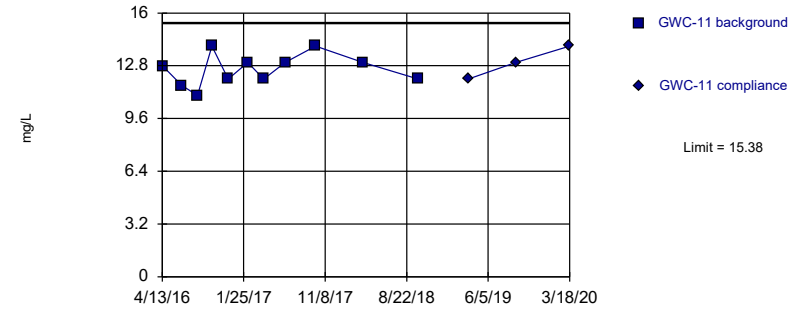


Background Data Summary: Mean=16.18, Std. Dev.=1.427, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9441, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

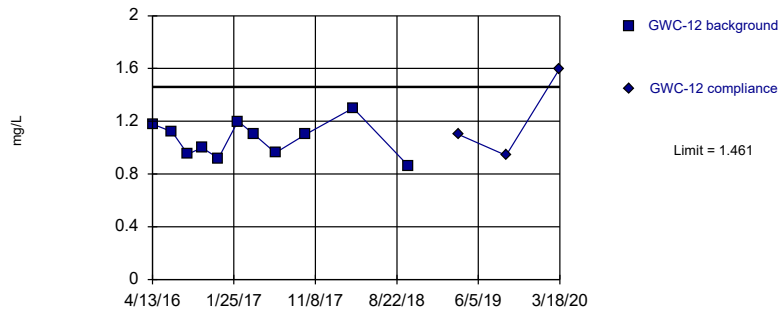


Background Data Summary: Mean=12.58, Std. Dev.=0.9527, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

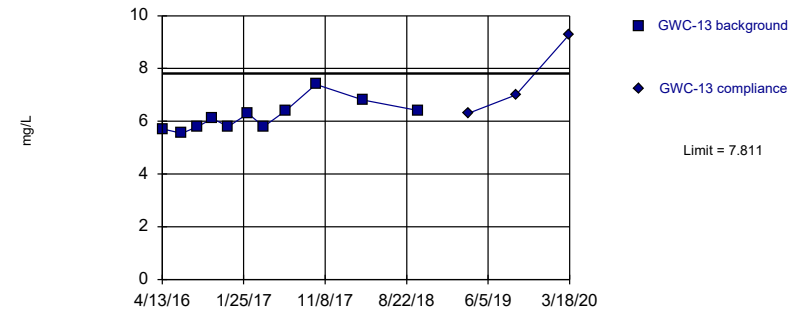


Background Data Summary: Mean=1.063, Std. Dev.=0.1355, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

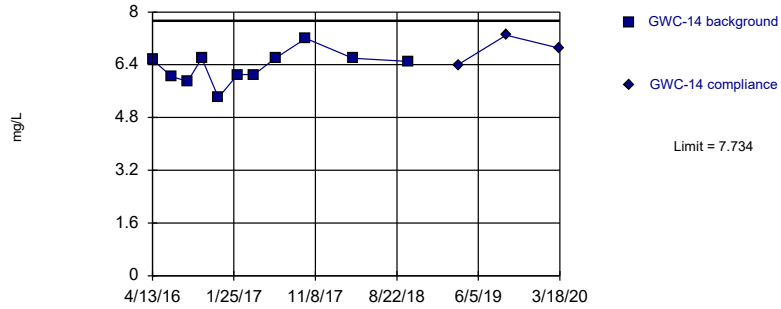


Background Data Summary: Mean=6.186, Std. Dev.=0.5526, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9015, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

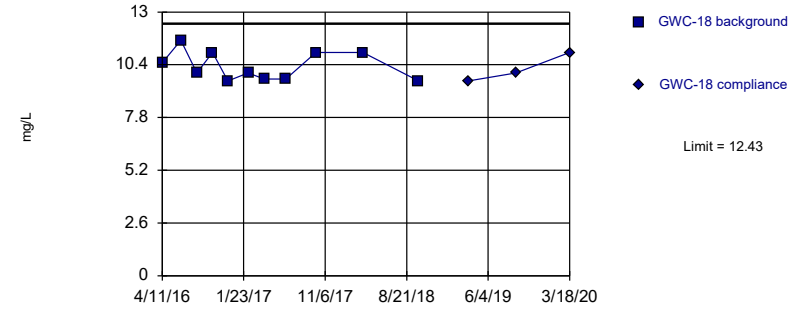


Background Data Summary: Mean=6.326, Std. Dev.=0.4788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

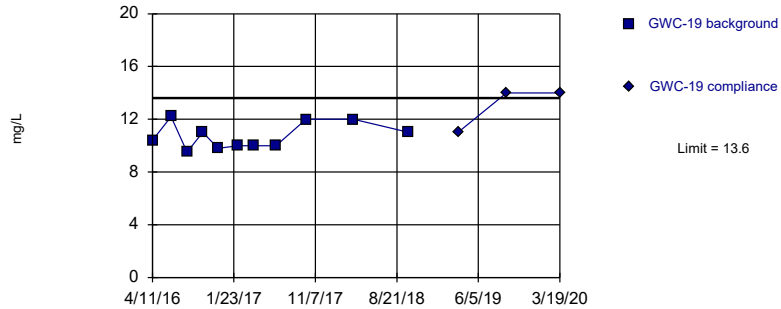


Background Data Summary: Mean=10.34, Std. Dev.=0.7117, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8695, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

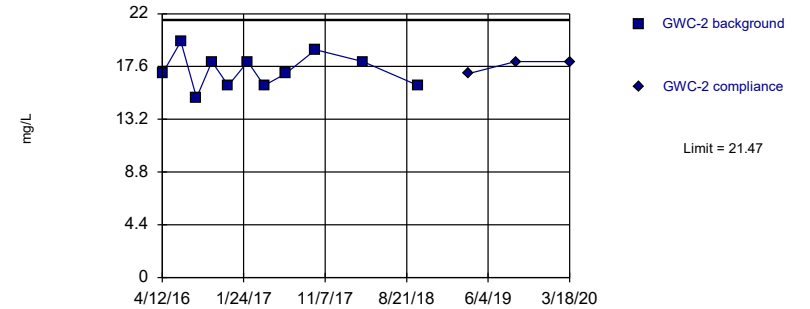


Background Data Summary: Mean=10.72, Std. Dev.=0.9806, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8782, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



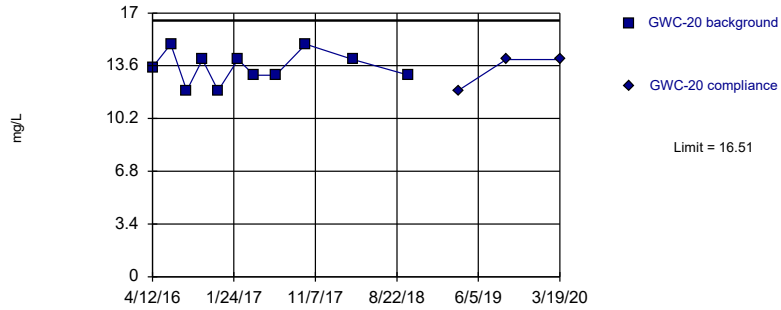
Background Data Summary: Mean=17.25, Std. Dev.=1.436, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

### Prediction Limit Intrawell Parametric

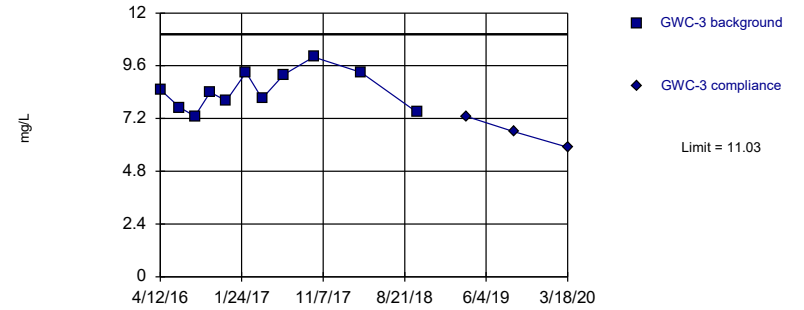


Background Data Summary: Mean=13.5, Std. Dev.=1.025, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.923, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

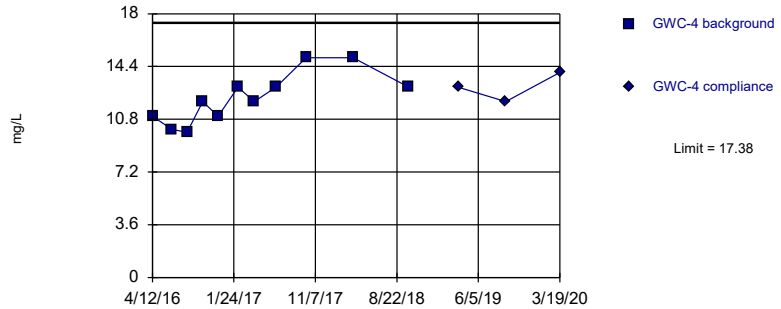


Background Data Summary: Mean=8.484, Std. Dev.=0.867, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

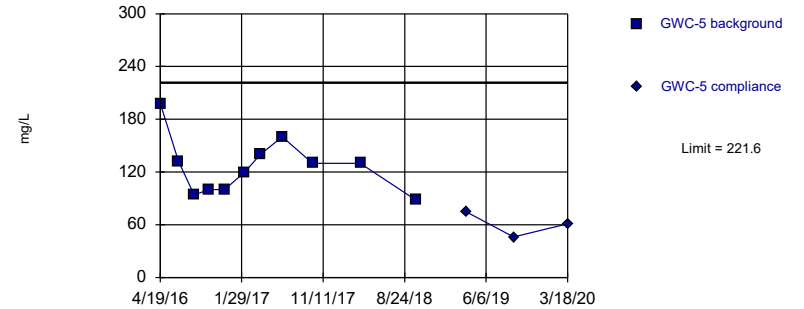


Background Data Summary: Mean=12.27, Std. Dev.=1.738, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9259, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

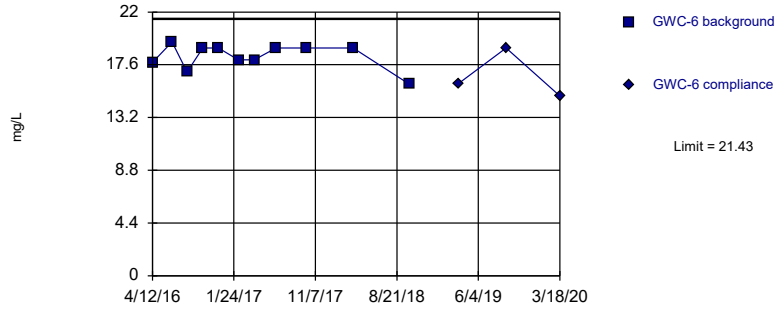


Background Data Summary: Mean=126.5, Std. Dev.=32.34, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

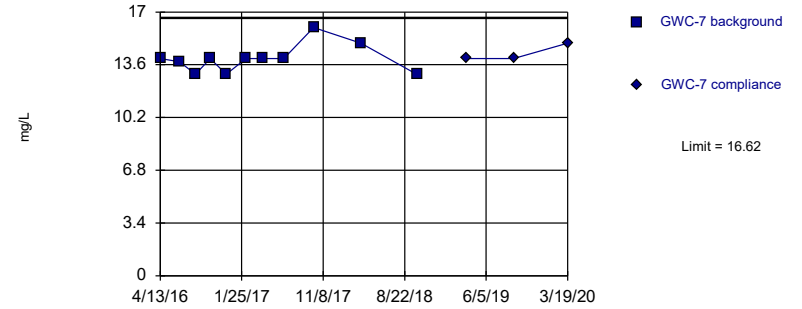


Background Data Summary: Mean=18.3, Std. Dev.=1.063, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8543, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

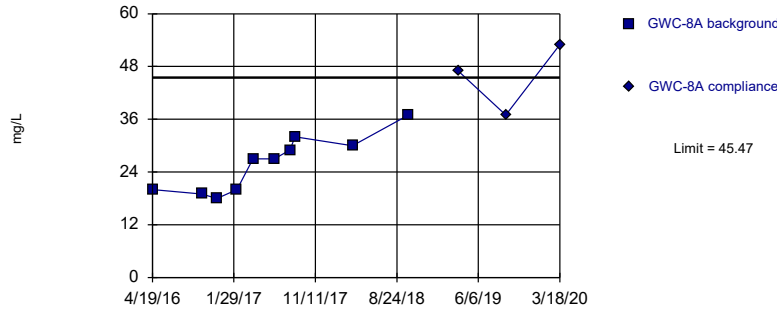


Background Data Summary: Mean=13.98, Std. Dev.=0.8965, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8398, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

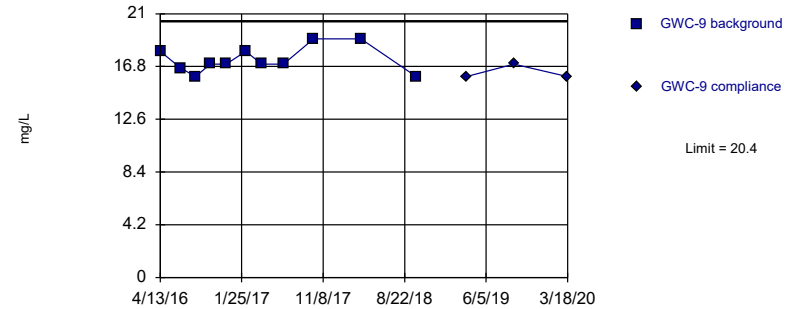


Background Data Summary: Mean=25.9, Std. Dev.=6.402, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9203, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

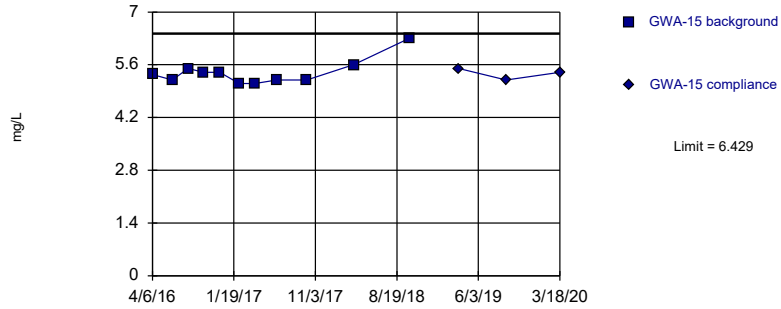


Background Data Summary: Mean=17.34, Std. Dev.=1.041, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8927, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

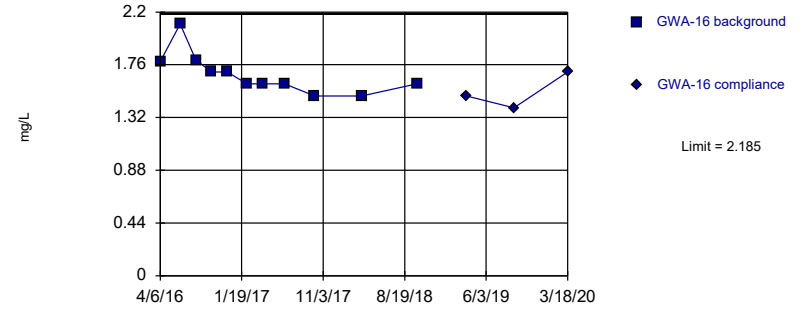


Background Data Summary (based on natural log transformation): Mean=1.684, Std. Dev.=0.06022, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7973, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

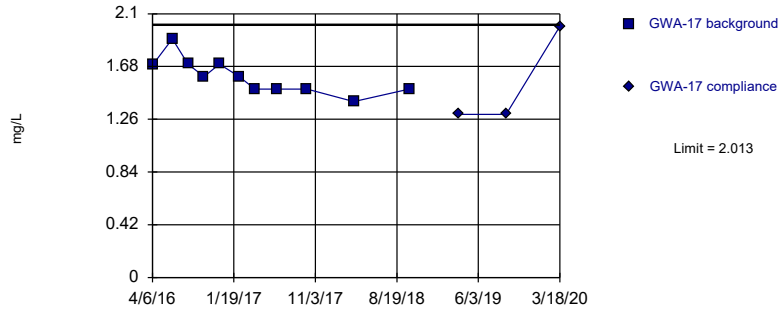


Background Data Summary: Mean=1.681, Std. Dev.=0.1714, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8489, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

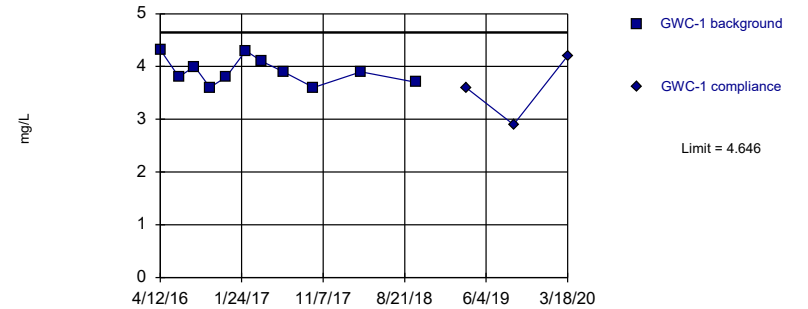


Background Data Summary: Mean=1.599, Std. Dev.=0.1407, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

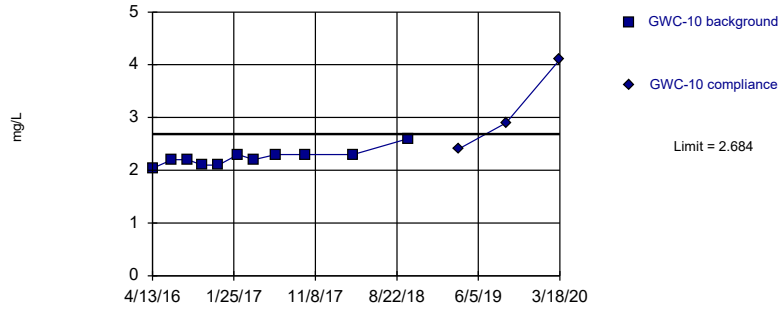


Background Data Summary: Mean=3.911, Std. Dev.=0.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

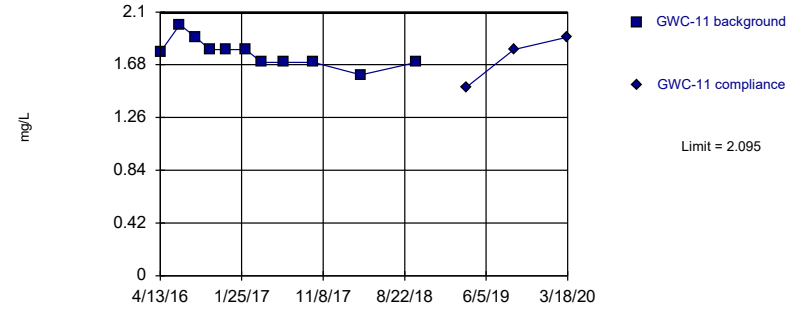


Background Data Summary: Mean=2.24, Std. Dev.=0.151, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

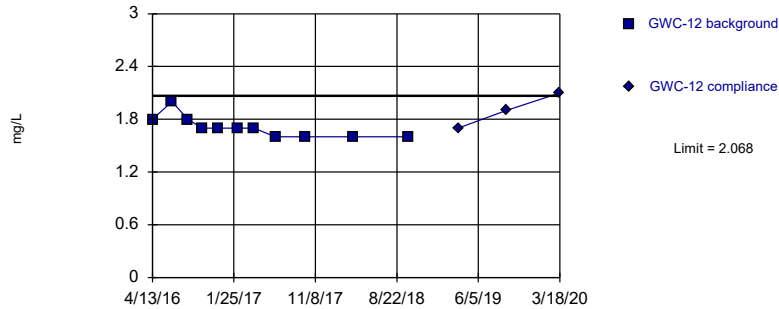


Background Data Summary: Mean=1.771, Std. Dev.=0.11, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

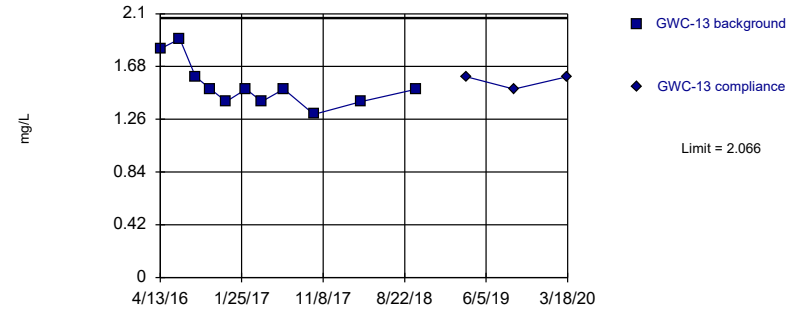


Background Data Summary: Mean=1.709, Std. Dev.=0.1221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8208, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

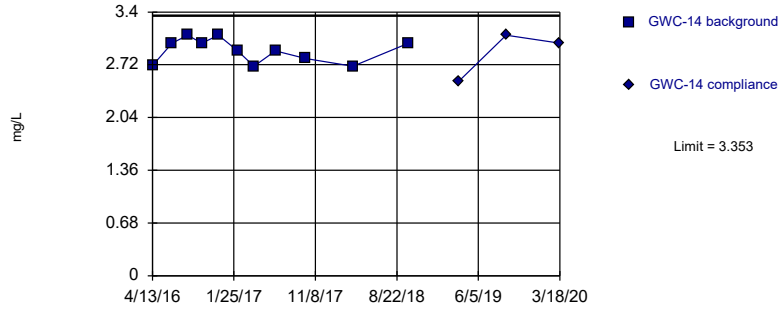


Background Data Summary: Mean=1.529, Std. Dev.=0.1825, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8586, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

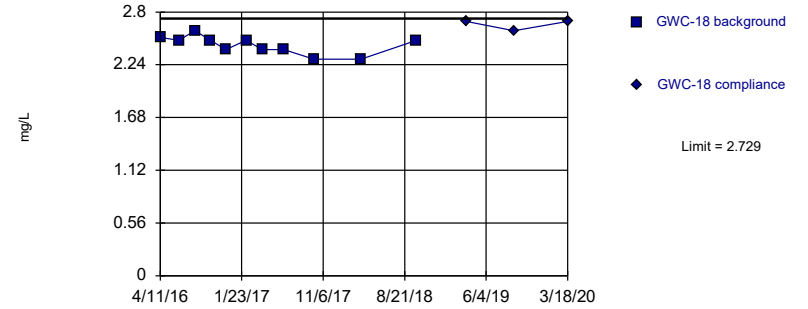


Background Data Summary: Mean=2.901, Std. Dev.=0.1537, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

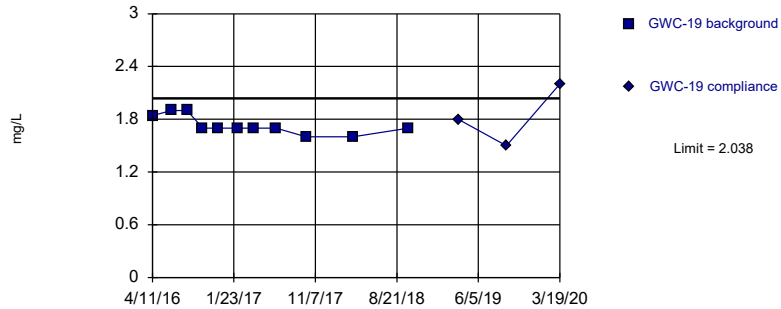


Background Data Summary: Mean=2.448, Std. Dev.=0.09558, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9086, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

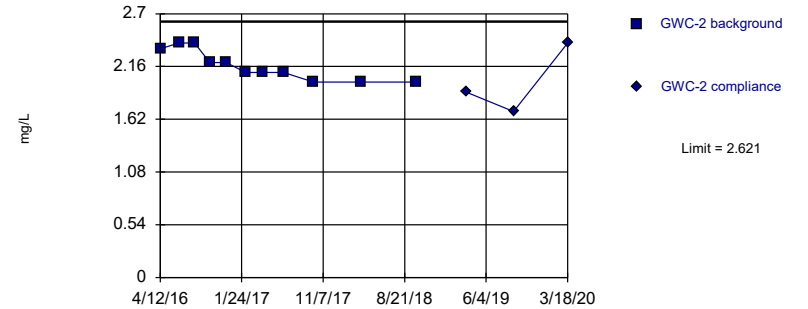


Background Data Summary: Mean=1.731, Std. Dev.=0.1044, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

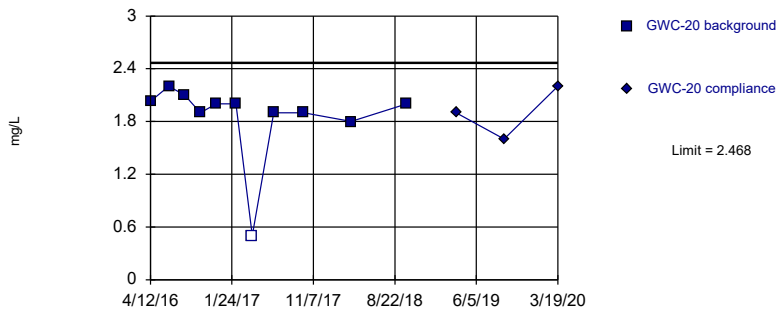


Background Data Summary: Mean=2.167, Std. Dev.=0.1542, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8694, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

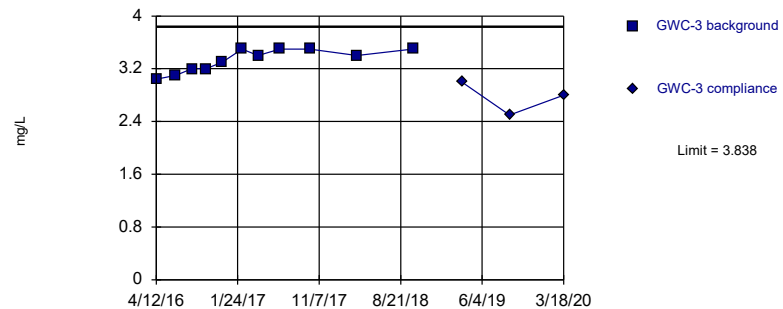


Background Data Summary (based on cube transformation): Mean=7.164, Std. Dev.=2.677, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8087, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

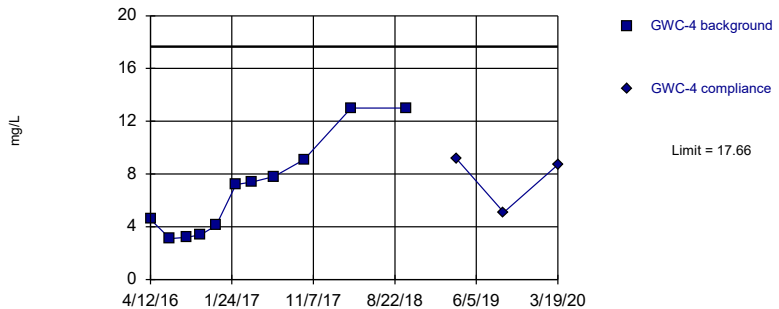


Background Data Summary: Mean=3.331, Std. Dev.=0.1724, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8682, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

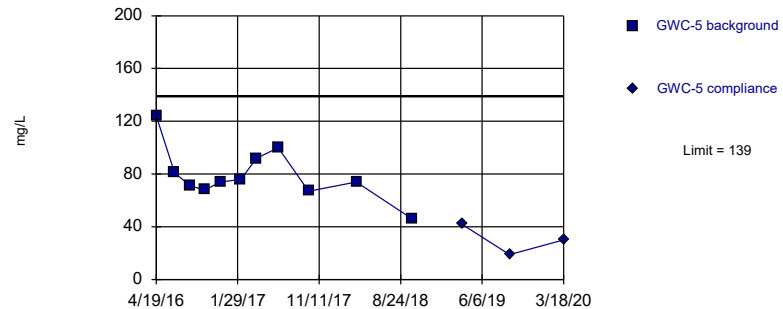


Background Data Summary: Mean=6.897, Std. Dev.=3.661, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric



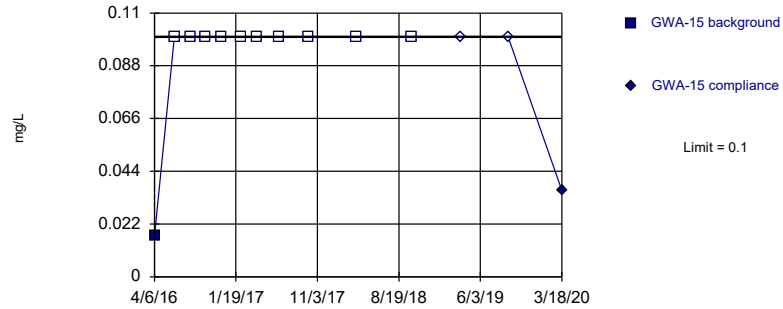
Background Data Summary: Mean=79.36, Std. Dev.=20.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9228, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

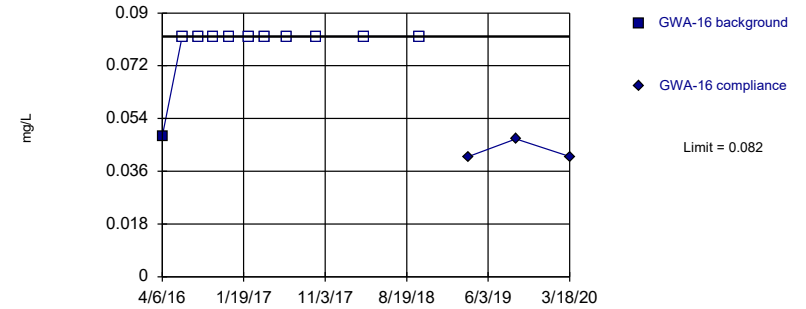


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

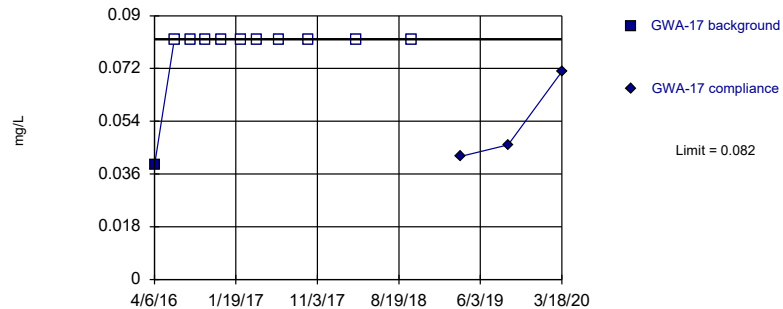


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

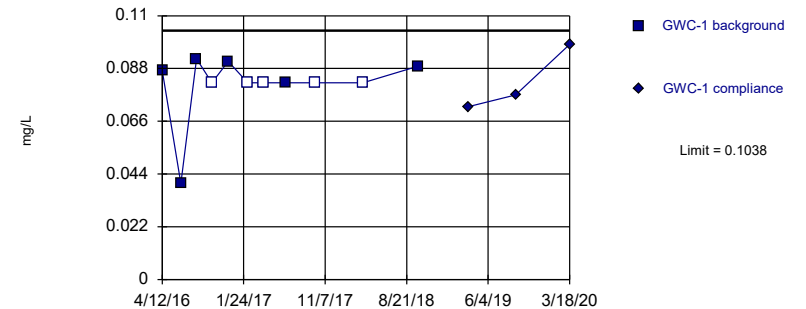


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



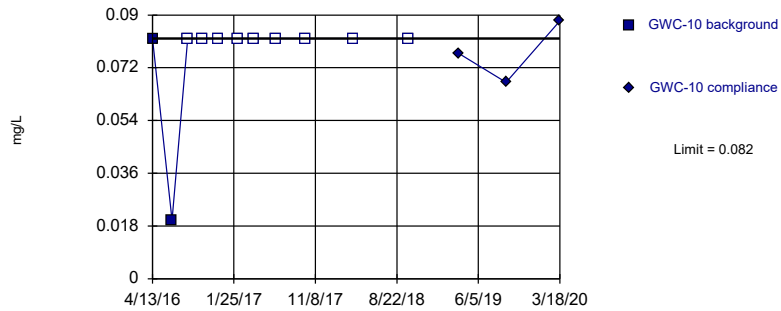
Background Data Summary (based on x<sup>4</sup> transformation) (after Kaplan-Meier Adjustment): Mean=0.00003886, Std. Dev.=0.00002632, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8005, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

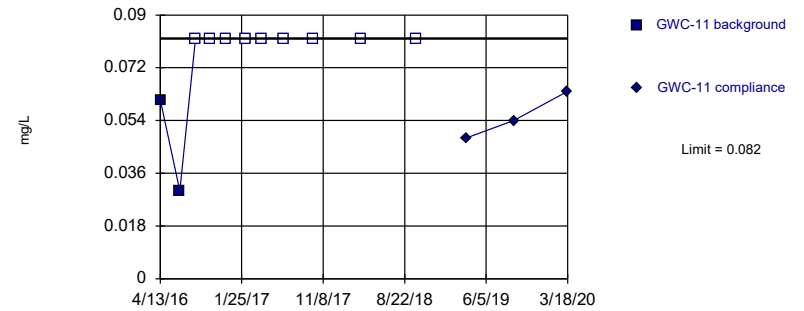


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

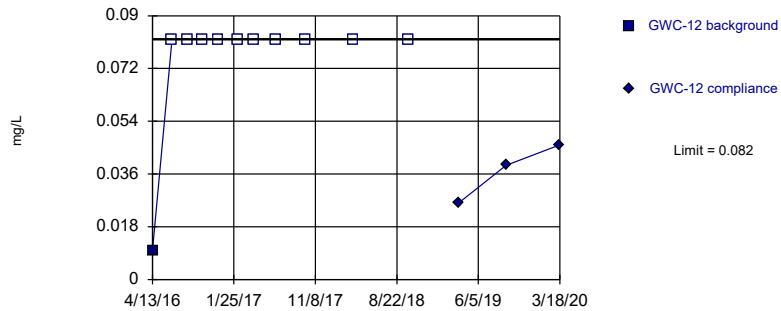


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

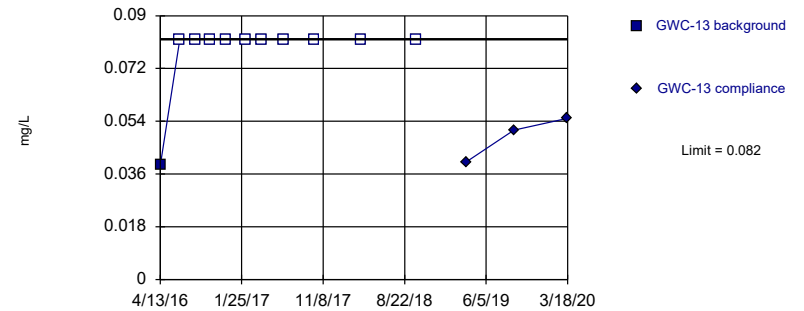


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

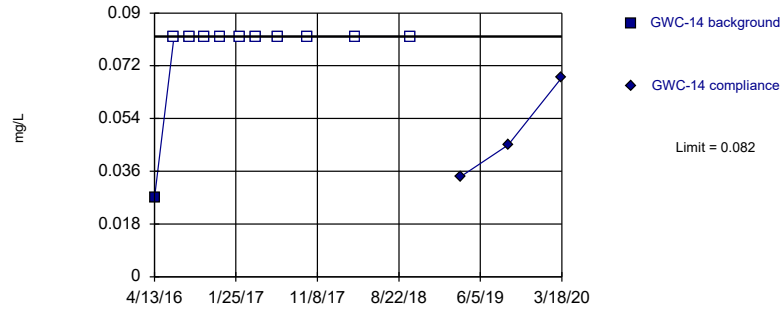


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

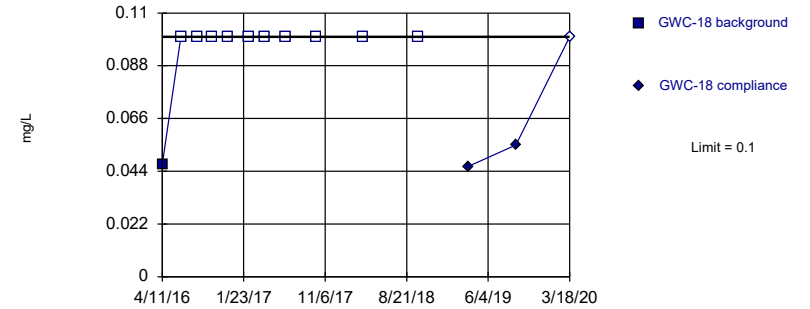


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

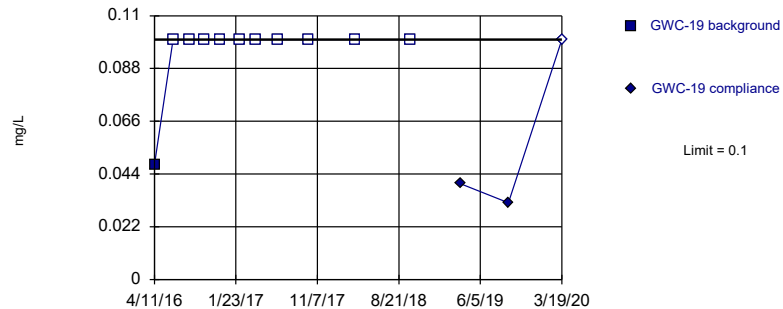


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

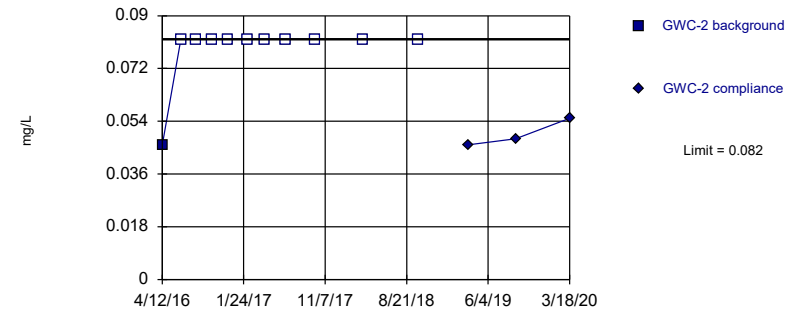


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

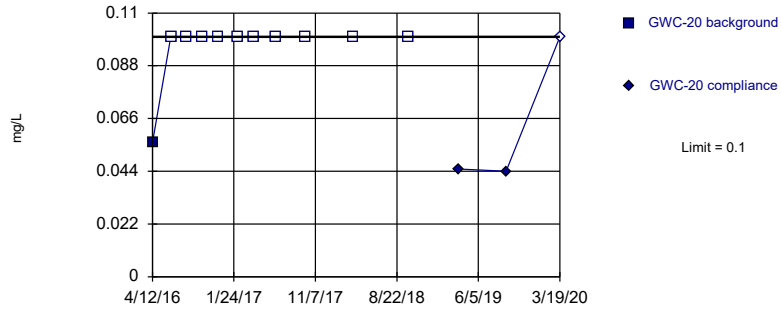


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

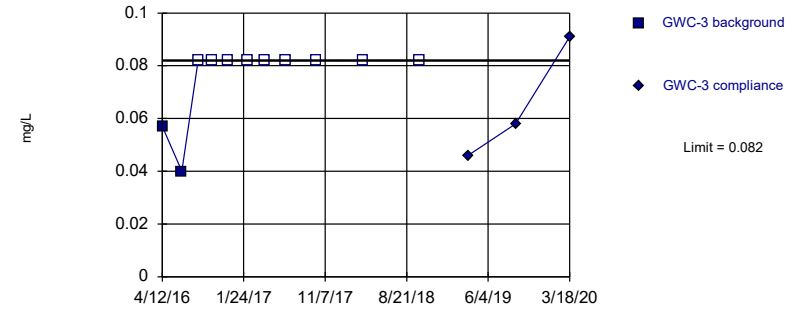


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

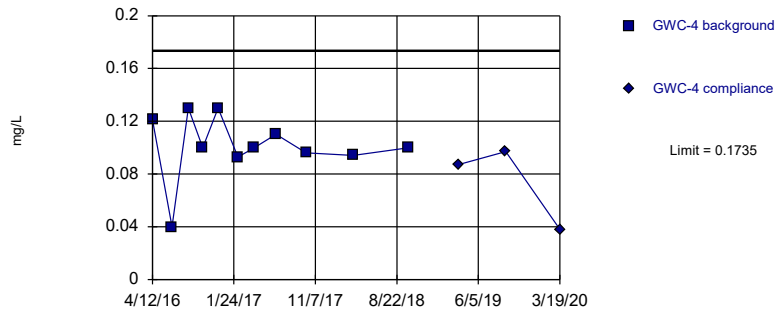


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

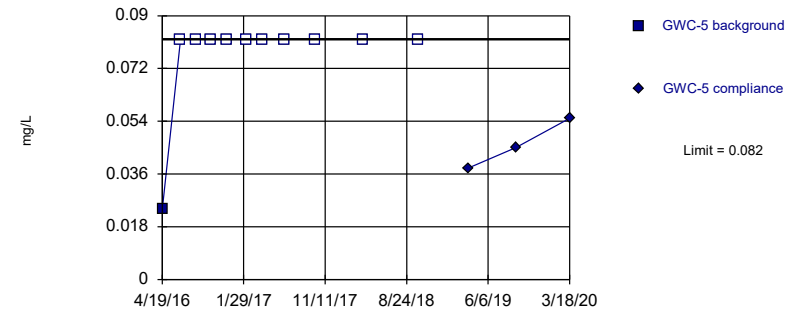


Background Data Summary: Mean=0.1013, Std. Dev.=0.02454, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8315, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

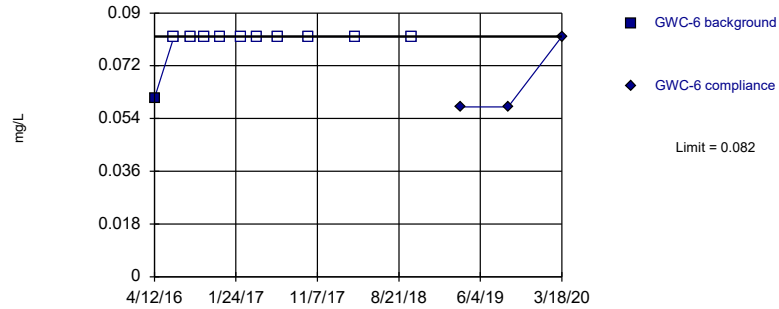


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

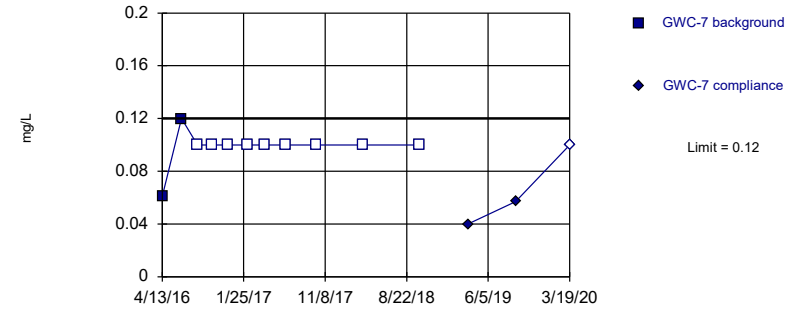


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

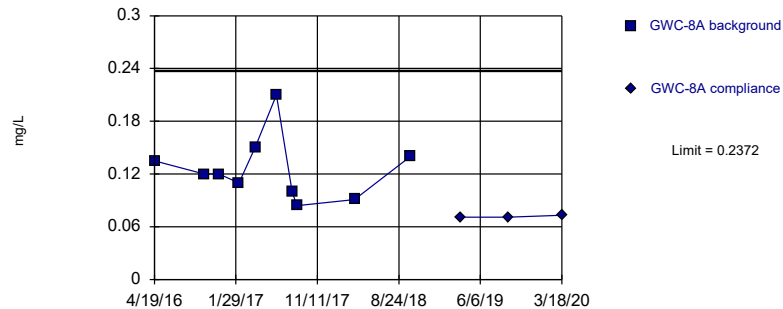


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

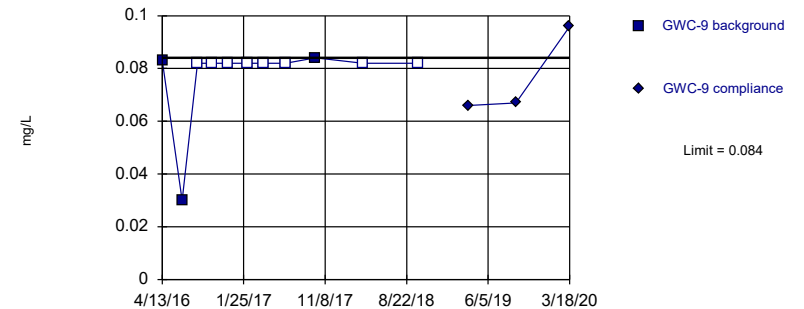


Background Data Summary: Mean=0.126, Std. Dev.=0.03637, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

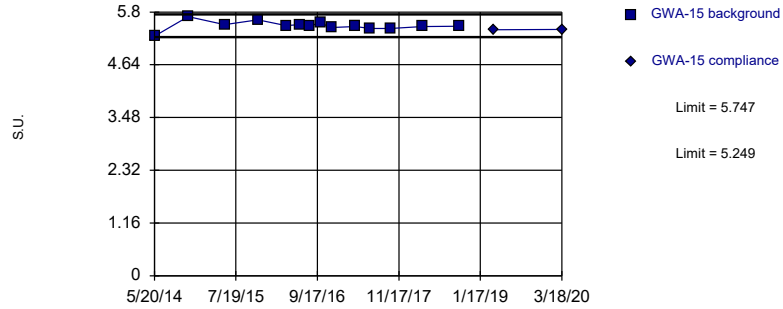


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

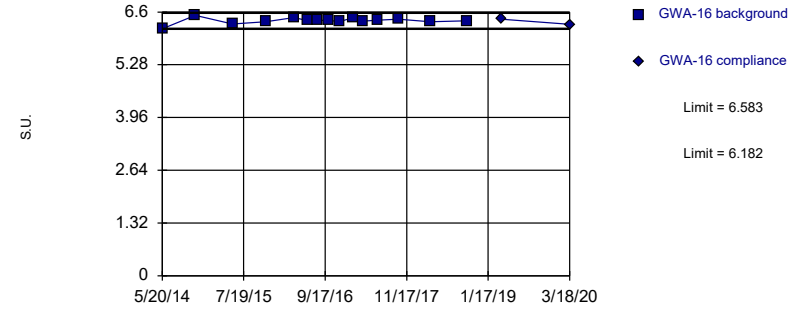


Background Data Summary: Mean=5.498, Std. Dev.=0.0942, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8953, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

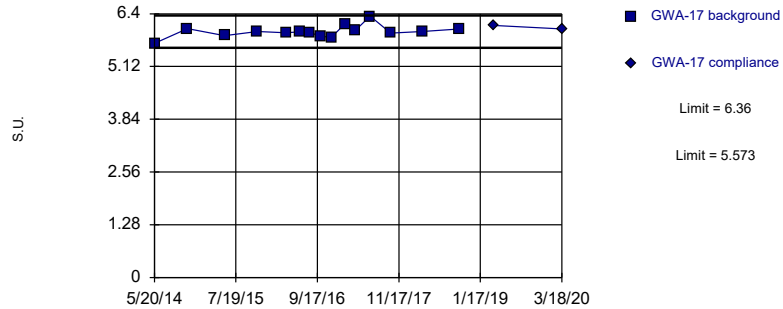


Background Data Summary: Mean=6.383, Std. Dev.=0.07611, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9003, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

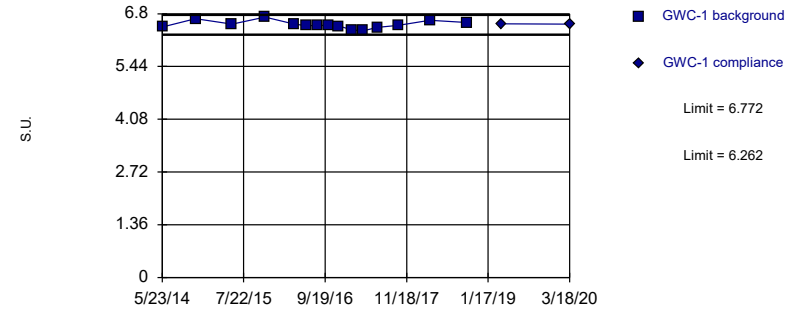


Background Data Summary: Mean=5.966, Std. Dev.=0.149, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

### Prediction Limit Intrawell Parametric

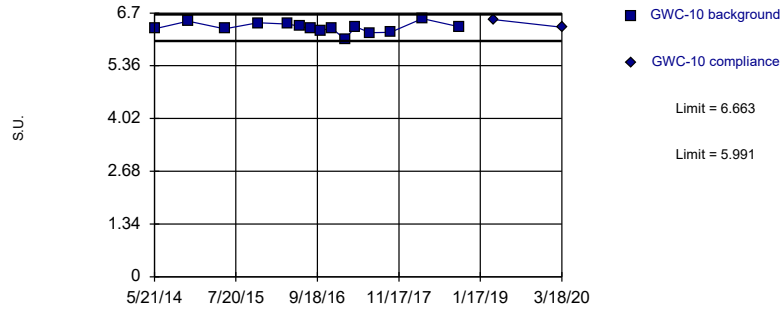


Background Data Summary: Mean=6.517, Std. Dev.=0.09662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

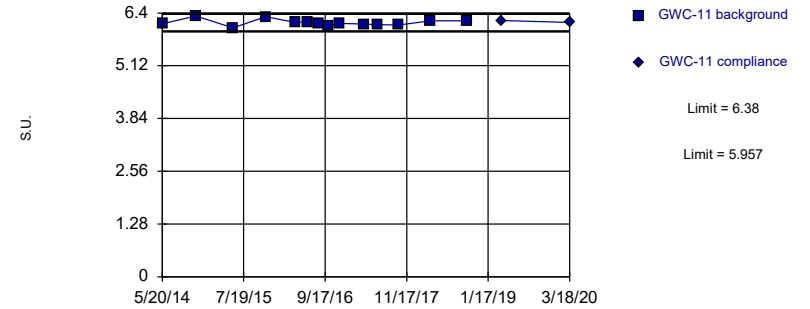


Background Data Summary: Mean=6.327, Std. Dev.=0.1274, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9732, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

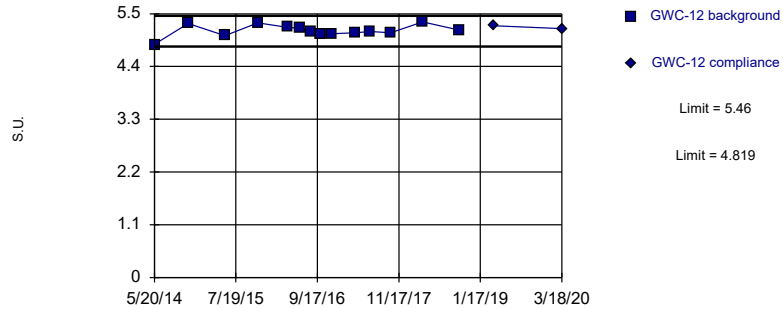


Background Data Summary: Mean=6.169, Std. Dev.=0.07843, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

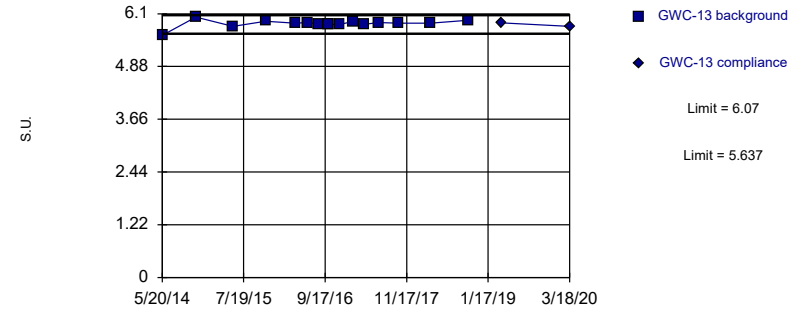


Background Data Summary: Mean=5.139, Std. Dev.=0.1214, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

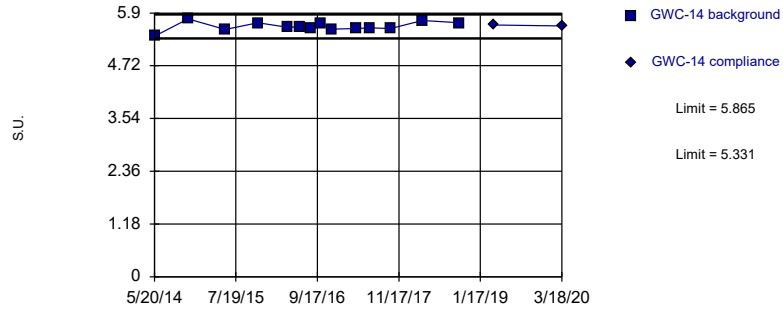


Background Data Summary (based on x\*6 transformation): Mean=41061, Std. Dev.=3479, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.844. Kappa = 2.576 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

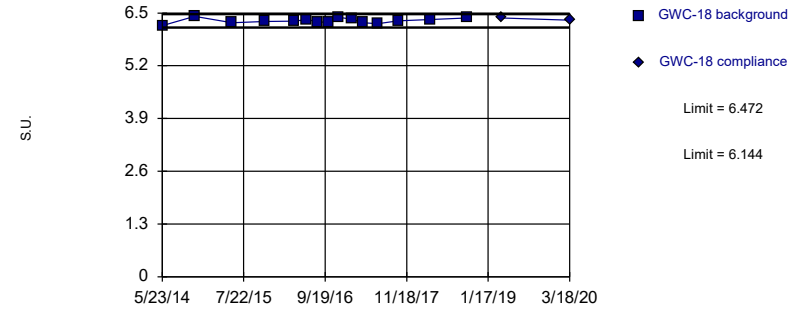


Background Data Summary: Mean=5.598, Std. Dev.=0.09885, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9374, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

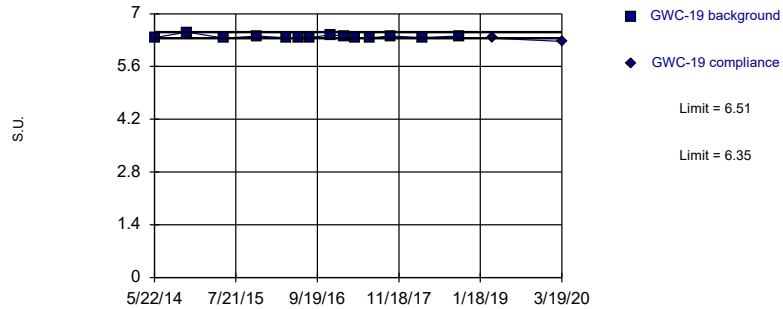


Background Data Summary: Mean=6.308, Std. Dev.=0.06213, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9832, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit  
Intrawell Non-parametric

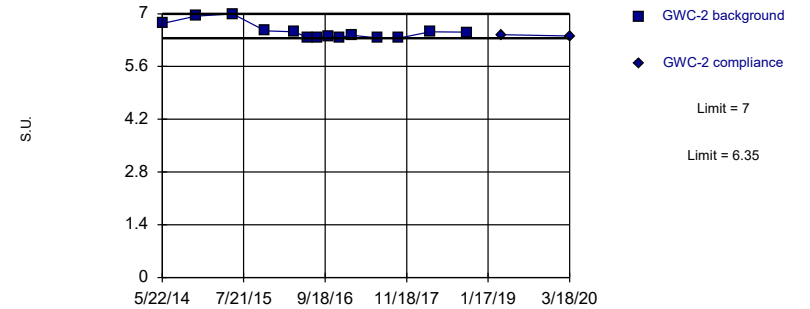


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

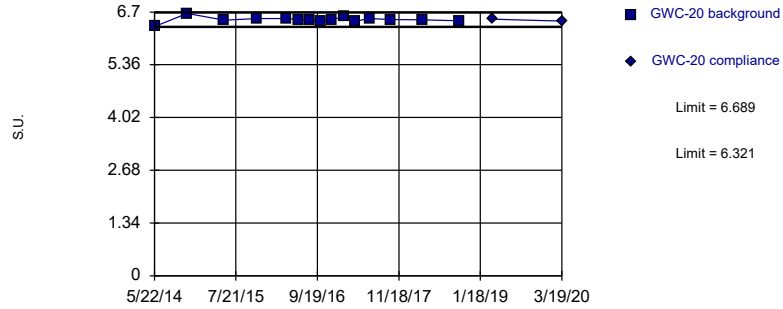


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

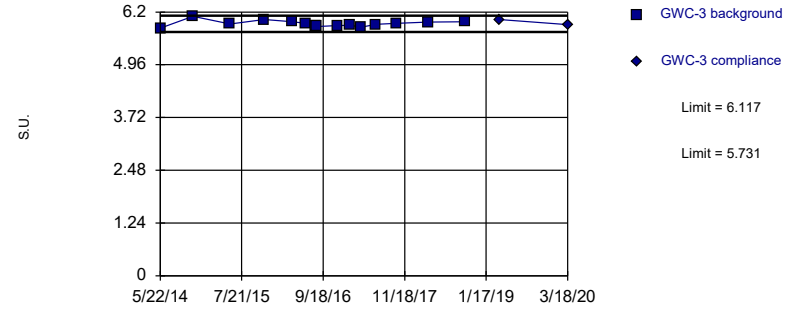


Background Data Summary: Mean=6.505, Std. Dev.=0.06978, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

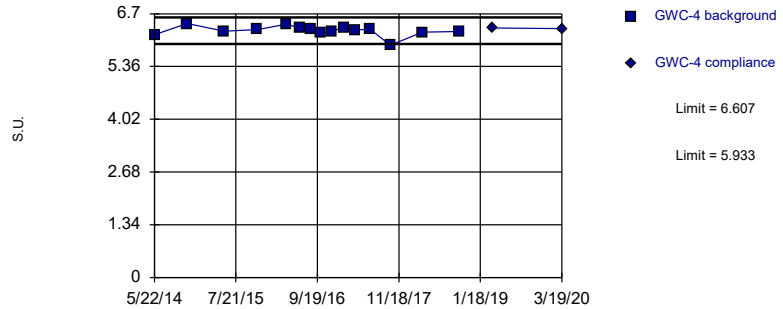


Background Data Summary: Mean=5.924, Std. Dev.=0.07327, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

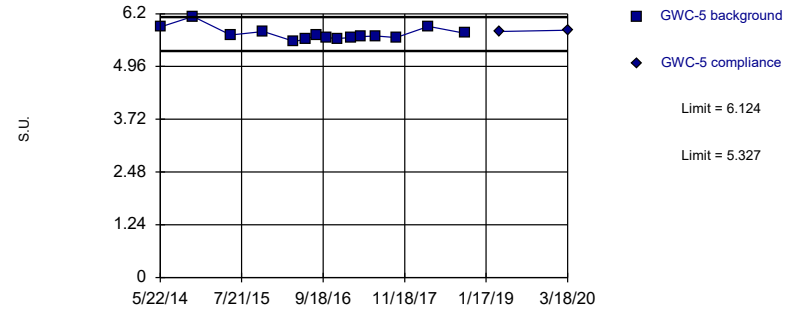


Background Data Summary: Mean=6.27, Std. Dev.=0.1276, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8483, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



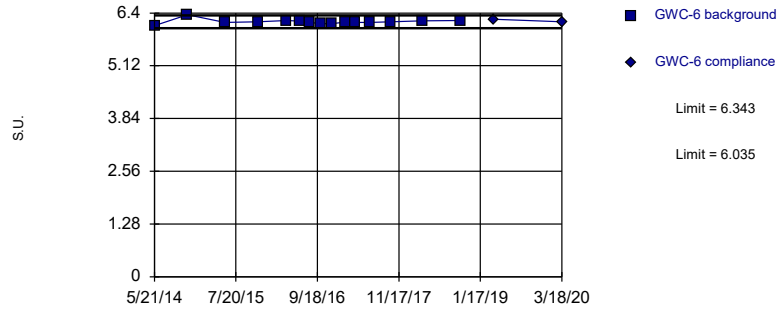
Background Data Summary: Mean=5.725, Std. Dev.=0.1511, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8366, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limits

Prediction Limit  
Intrawell Parametric

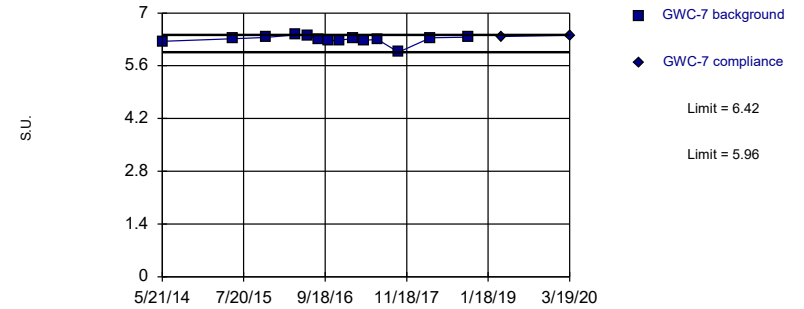


Background Data Summary (based on square root transformation): Mean=2.488, Std. Dev.=0.01171, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8356, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

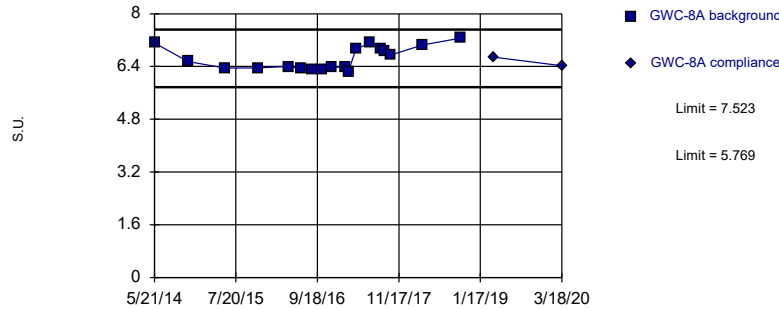


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

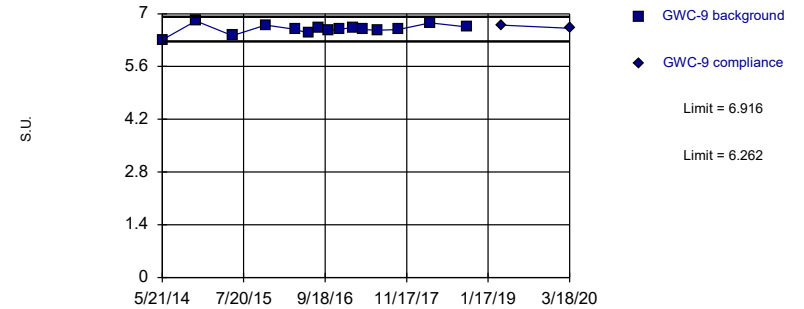


Background Data Summary: Mean=6.646, Std. Dev.=0.3493, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8617, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric

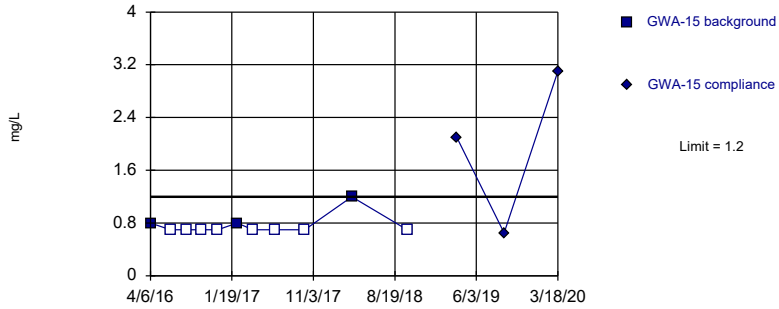


Background Data Summary: Mean=6.589, Std. Dev.=0.1239, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9572, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

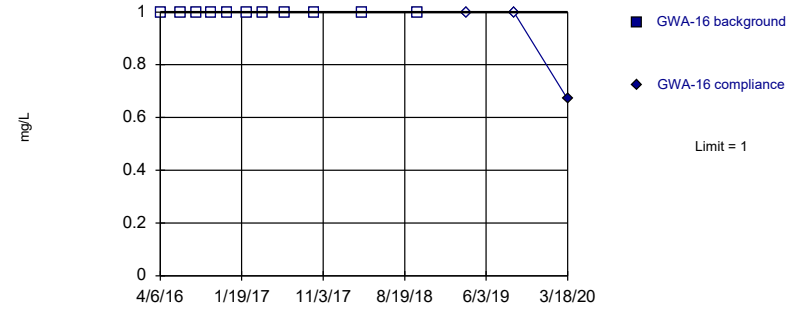


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

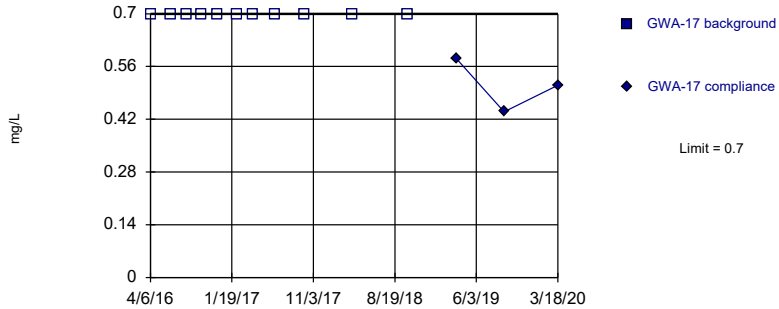


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

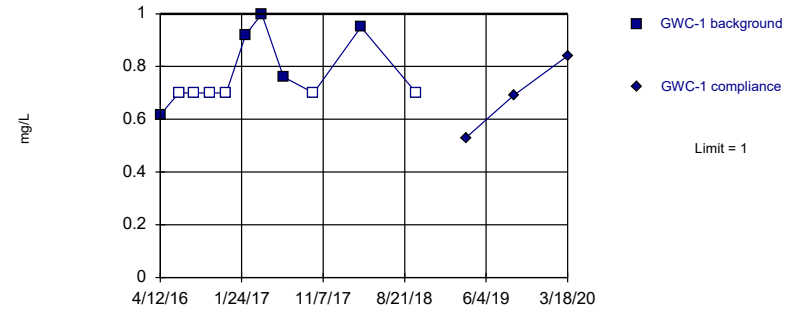


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

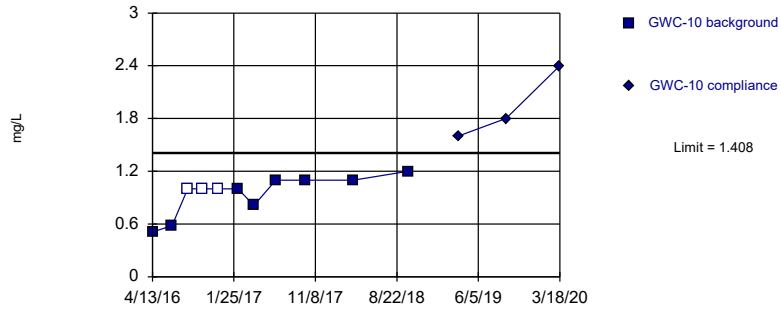


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

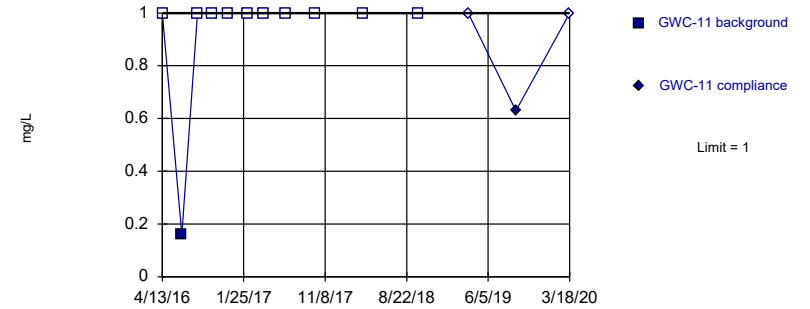


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7273, Std. Dev.=0.2315, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

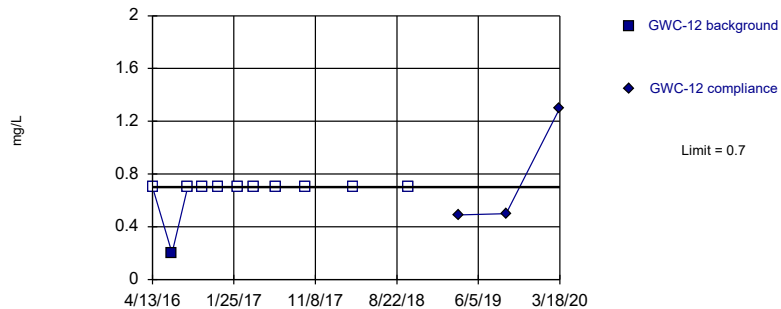


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

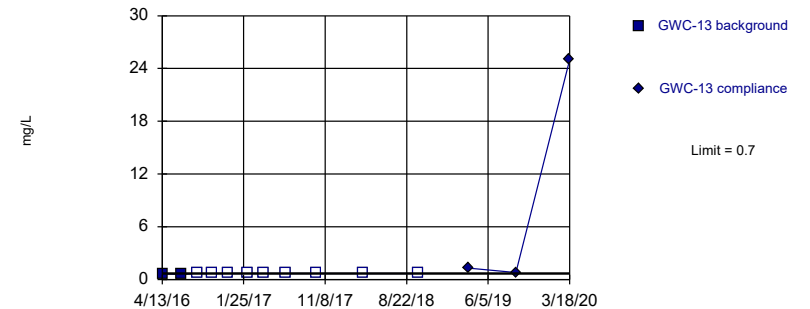


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

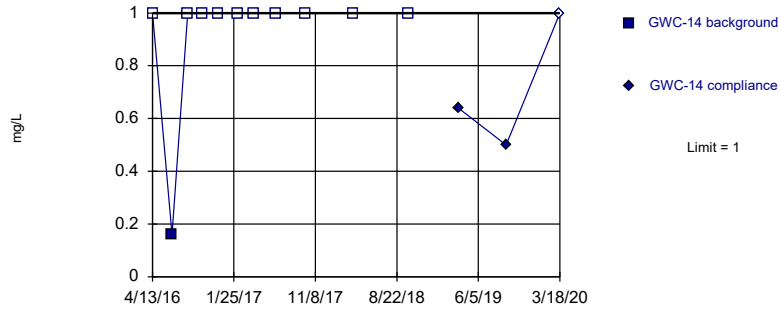


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

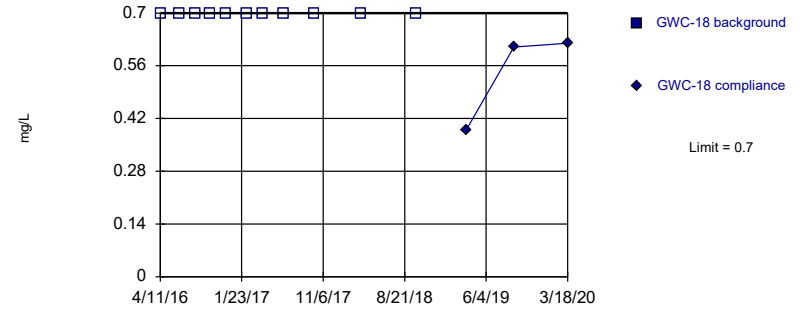


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

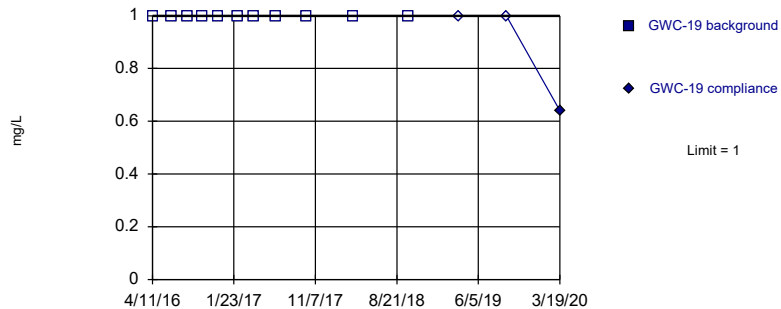


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

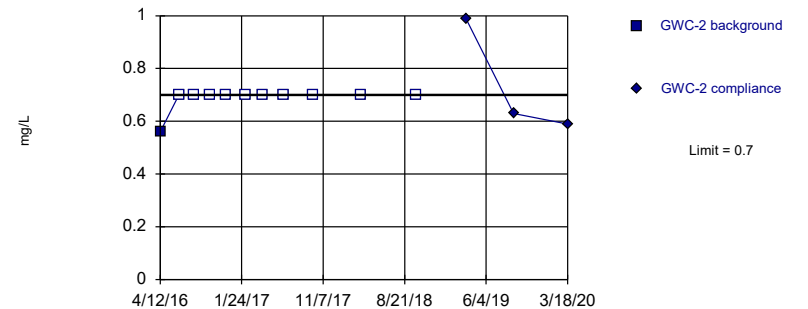


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

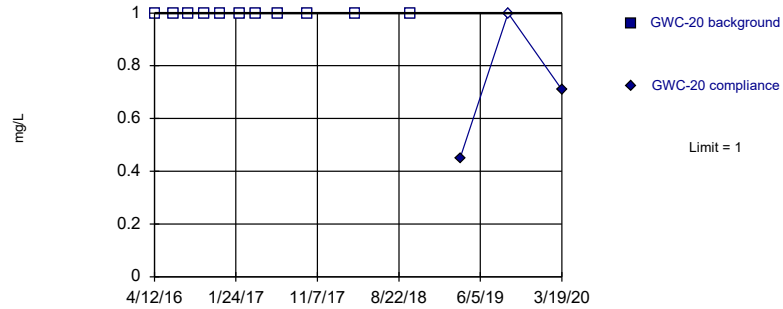


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

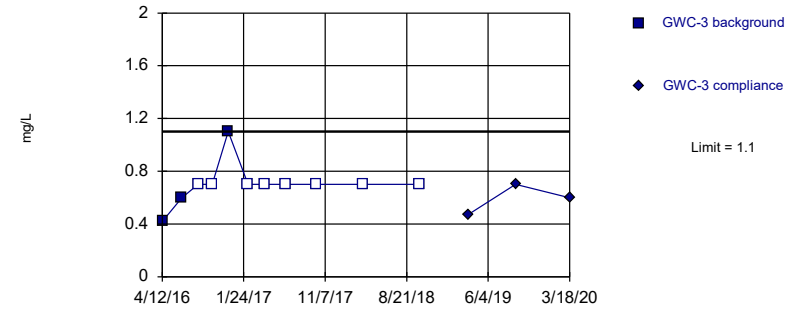


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

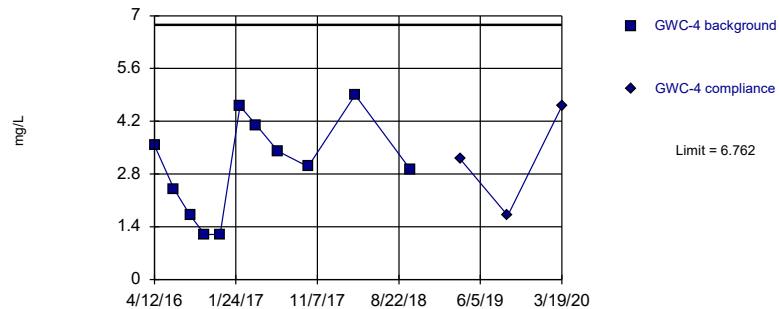


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

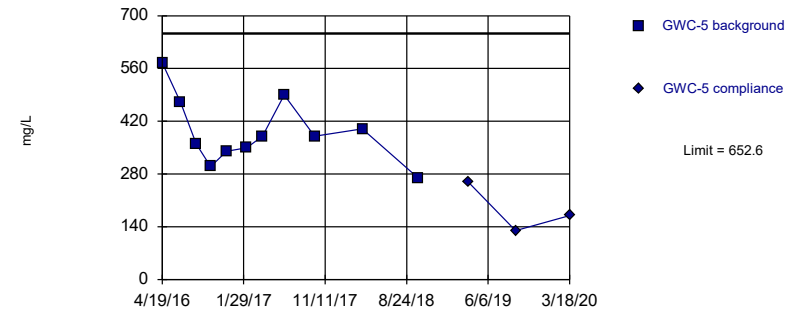


Background Data Summary: Mean=2.996, Std. Dev.=1.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9481, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

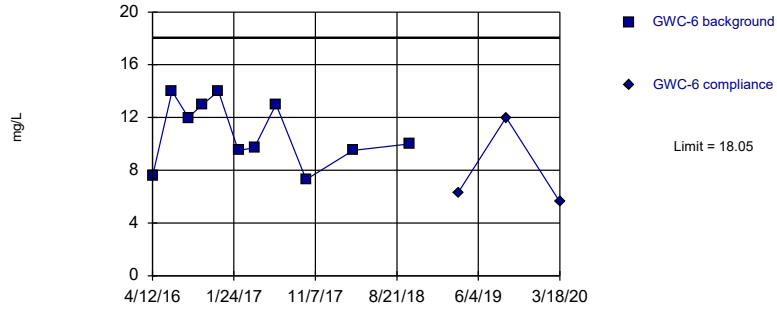


Background Data Summary: Mean=392.3, Std. Dev.=88.53, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

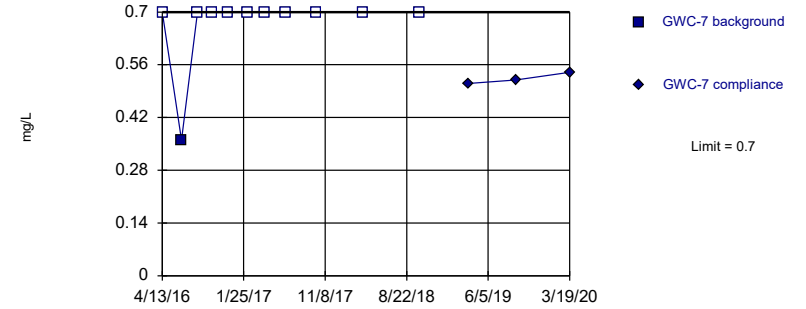


Background Data Summary: Mean=10.87, Std. Dev.=2.441, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

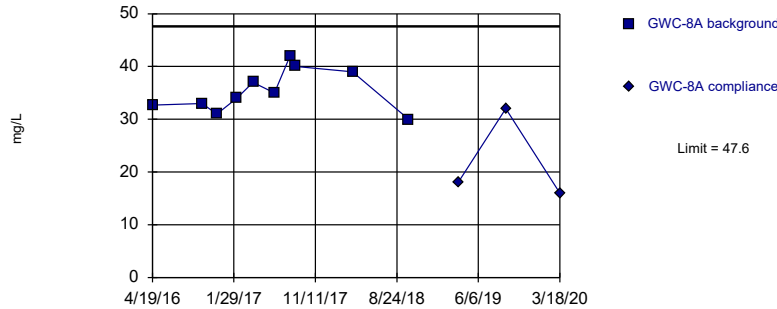


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

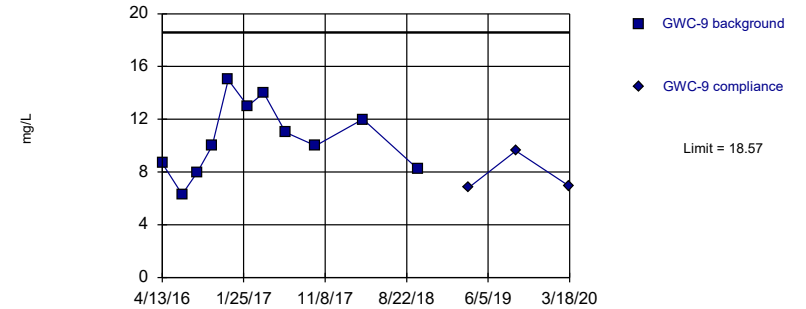


Background Data Summary: Mean=35.37, Std. Dev.=3.999, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

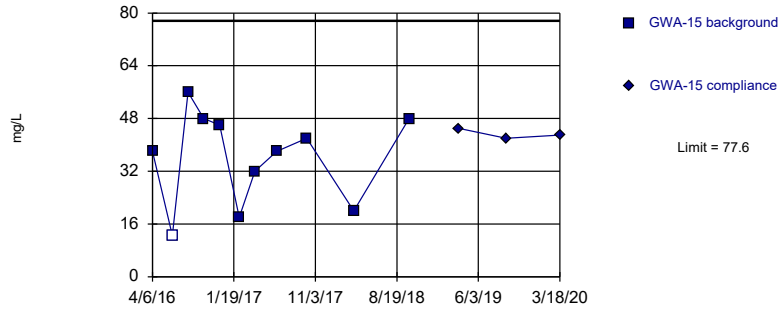


Background Data Summary: Mean=10.56, Std. Dev.=2.725, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

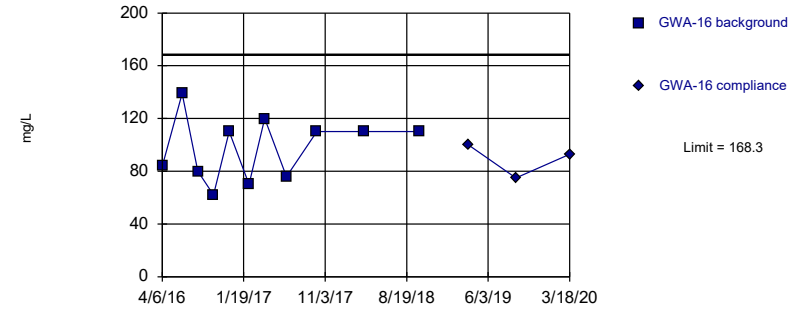


Background Data Summary: Mean=36.23, Std. Dev.=14.07, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9303, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

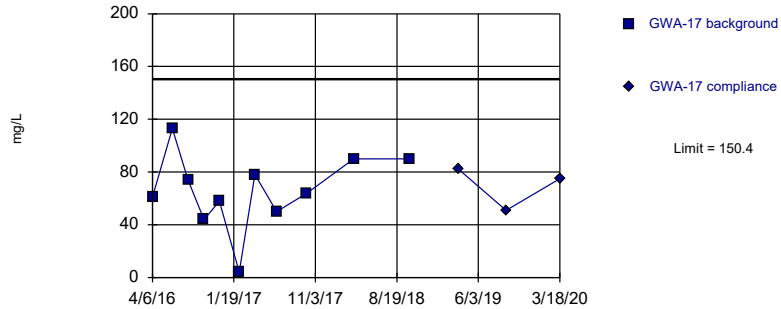


Background Data Summary: Mean=97.36, Std. Dev.=24.13, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

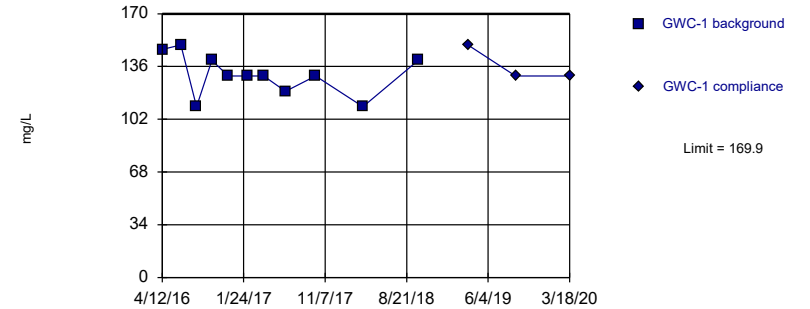


Background Data Summary: Mean=66, Std. Dev.=28.72, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

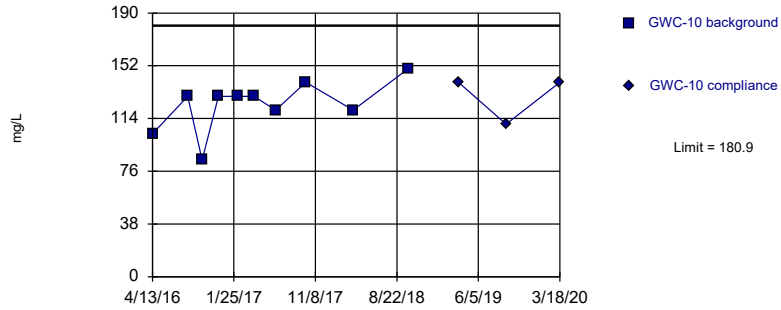


Background Data Summary: Mean=130.6, Std. Dev.=13.36, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9245, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

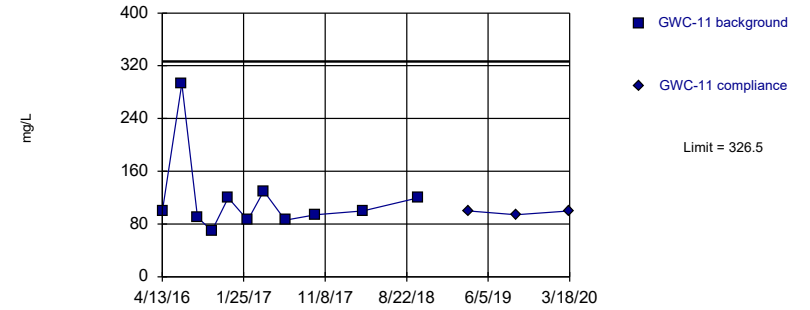


Background Data Summary: Mean=123.7, Std. Dev.=18.7, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

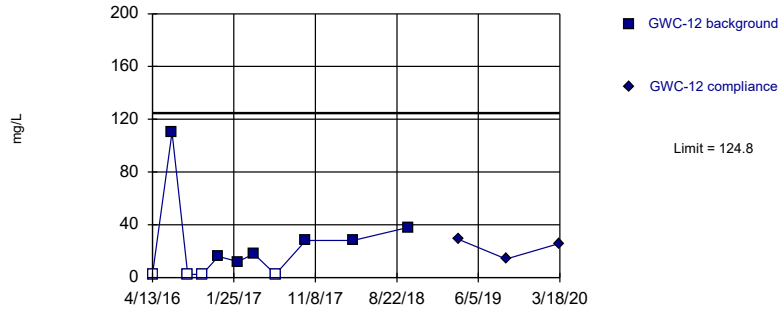


Background Data Summary (based on natural log transformation): Mean=4.684, Std. Dev.=0.3756, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.796, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

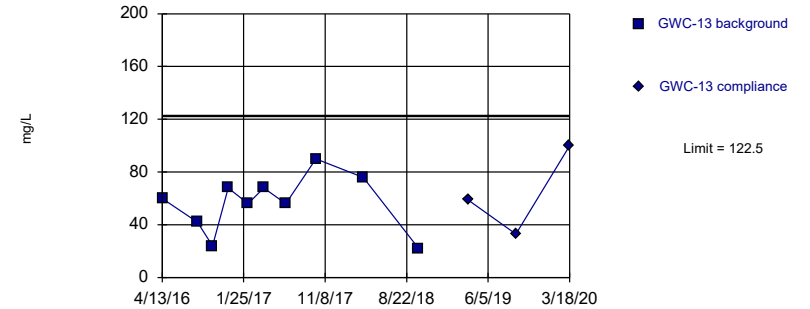


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.14, Std. Dev.=2.39, n=11, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



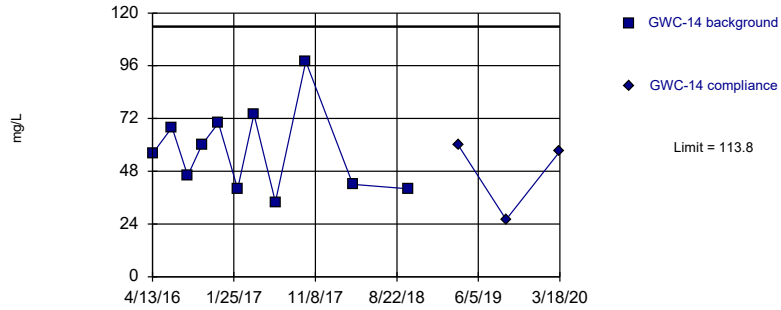
Background Data Summary: Mean=56.2, Std. Dev.=21.69, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

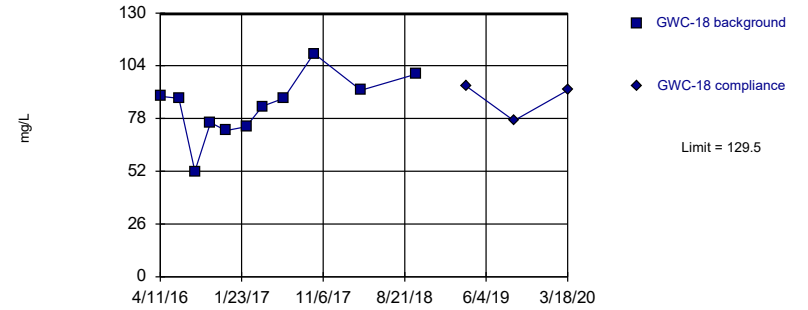


Background Data Summary: Mean=57.09, Std. Dev.=19.29, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

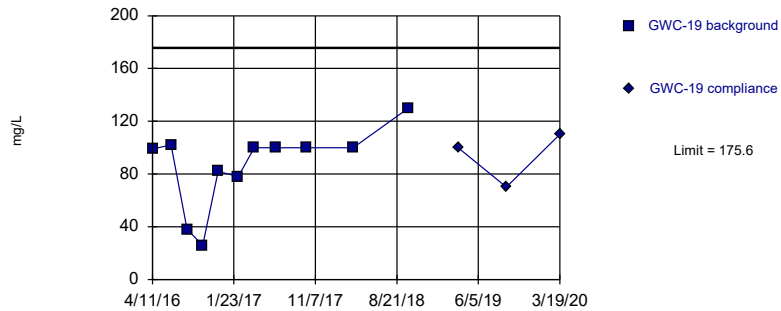


Background Data Summary: Mean=84.09, Std. Dev.=15.44, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

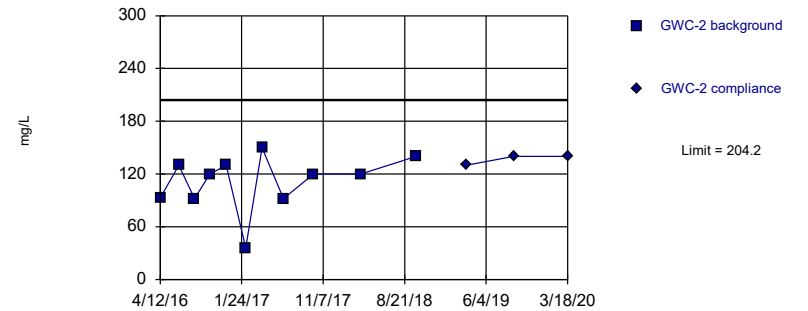


Background Data Summary: Mean=86.82, Std. Dev.=30.2, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8313, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

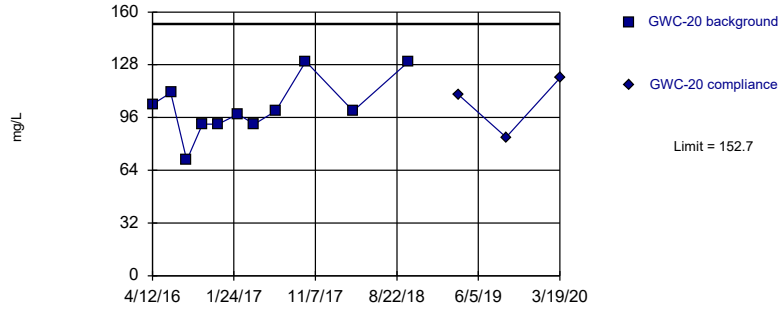


Background Data Summary: Mean=111.2, Std. Dev.=31.62, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

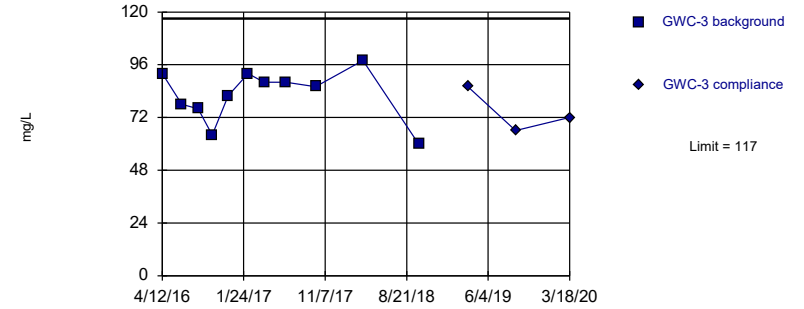


Background Data Summary: Mean=101.7, Std. Dev.=17.32, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

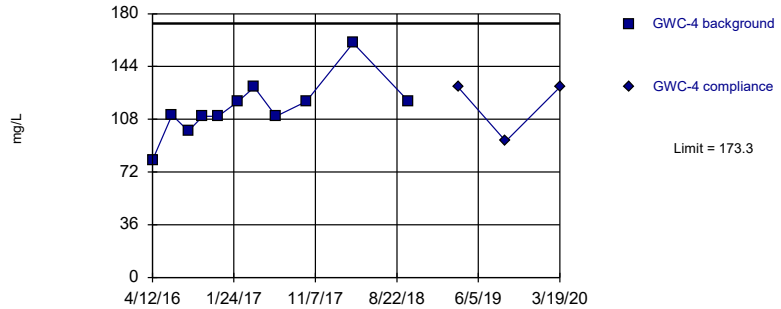


Background Data Summary: Mean=82.18, Std. Dev.=11.85, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9247, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

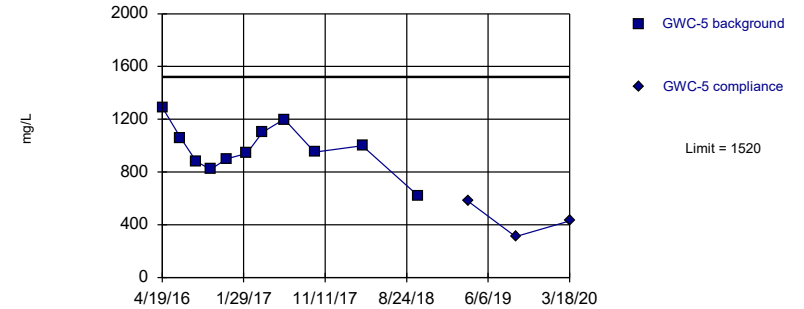


Background Data Summary: Mean=115.5, Std. Dev.=19.65, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

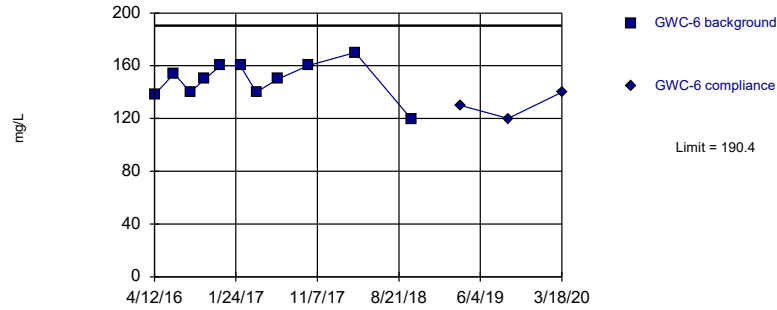


Background Data Summary: Mean=978.2, Std. Dev.=184.3, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

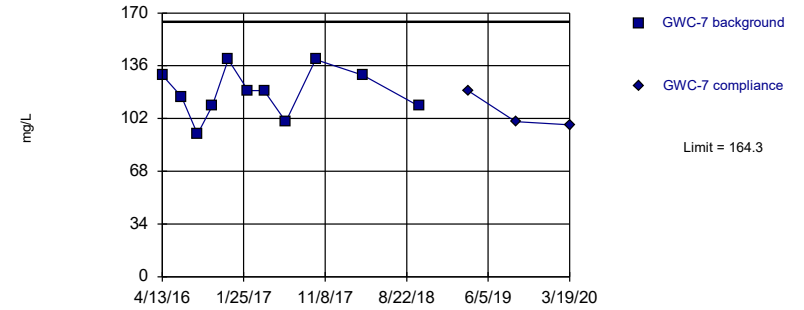


Background Data Summary: Mean=149.3, Std. Dev.=13.98, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9442, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric

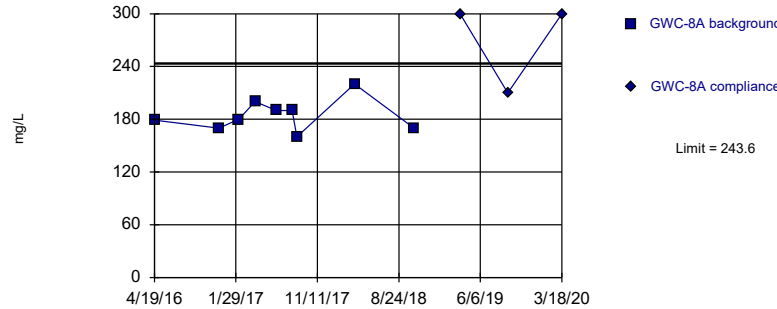


Background Data Summary: Mean=118.9, Std. Dev.=15.45, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

### Prediction Limit Intrawell Parametric

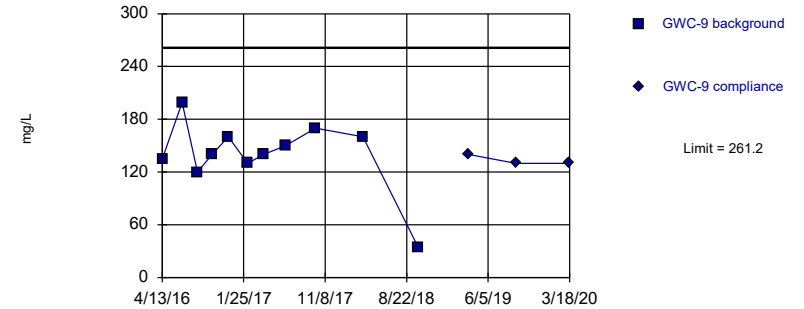


Background Data Summary: Mean=184.3, Std. Dev.=18.14, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.764. Kappa = 3.265 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Parametric



Background Data Summary: Mean=139.8, Std. Dev.=41.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8455, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:21 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	<0.08	
6/15/2016	<0.08	
8/10/2016	<0.08	
10/4/2016	<0.08	
11/30/2016	<0.08	
2/7/2017	<0.08	
4/4/2017	<0.08	
6/20/2017	<0.08	
10/4/2017	<0.08	
3/20/2018	<0.08 (D)	
10/2/2018	<0.08	
3/26/2019		<0.08
9/10/2019		<0.08
3/18/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	<0.08	
6/15/2016	<0.08	
8/10/2016	<0.08	
10/4/2016	<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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/5/2016	<0.08	
12/1/2016	<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	
10/2/2018	<0.08	
3/27/2019		<0.08
9/11/2019		<0.08
3/18/2020		<0.08



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/5/2016	<0.08	
12/1/2016	<0.08	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/20/2017	<0.08	
10/5/2017	<0.08	
3/21/2018	<0.08	
10/2/2018	<0.08	
3/27/2019		<0.08
9/11/2019		<0.08
3/18/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/5/2016	<0.08	
12/1/2016	<0.08	
2/8/2017	<0.08	
4/5/2017	<0.08	
6/20/2017	<0.08	
10/5/2017	<0.08	
3/21/2018	<0.08 (D)	
10/2/2018	<0.08	
3/26/2019		<0.08
9/11/2019		<0.08
3/18/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/4/2016	<0.08	
12/1/2016	<0.08	
2/7/2017	<0.08	
4/6/2017	<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
9/11/2019		<0.08
3/18/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/5/2016	<0.08	
11/29/2016	<0.08	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/5/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019		<0.08
9/11/2019		<0.08
3/18/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/5/2016	<0.08	
11/29/2016	<0.08	
2/8/2017	<0.08	
4/5/2017	<0.08	
6/21/2017	<0.08	
10/5/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
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	
4/6/2017	<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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<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
9/12/2019		<0.08
3/19/2020		<0.08



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
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	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/22/2017	<0.08	
10/6/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019		<0.08
9/10/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 AM View: 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	124	
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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	<0.082	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/5/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082 (D)	
10/2/2018	<0.082	
3/26/2019		0.026 (J)
9/11/2019		0.039 (J)
3/18/2020		0.046 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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	<0.082	
8/15/2016	<0.082	
10/4/2016	<0.082	
12/1/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<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		0.034 (J)
9/11/2019		0.045 (J)
3/18/2020		0.068 (J)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<0.7	
6/15/2016	<0.7	
8/10/2016	<0.7	
10/5/2016	<0.7	
11/29/2016	<0.7	
2/7/2017	<0.7	
4/4/2017	<0.7	
6/20/2017	<0.7	
10/5/2017	<0.7	
3/20/2018	<0.7	
10/2/2018	<0.7	
3/26/2019		0.58 (J)
9/10/2019		0.44 (J)
3/18/2020		0.51 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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	<0.7	
8/11/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	0.92 (J)	
4/5/2017	1	
6/20/2017	0.76 (J)	
10/4/2017	<0.7	
3/20/2018	0.95 (J)	
10/2/2018	<0.7	
3/26/2019		0.53 (J)
9/10/2019		0.69 (J)
3/18/2020		0.84 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<0.7 (D)	
6/21/2016	0.2 (J)	
8/15/2016	<0.7	
10/5/2016	<0.7	
12/1/2016	<0.7	
2/8/2017	<0.7	
4/5/2017	<0.7	
6/20/2017	<0.7	
10/5/2017	<0.7	
3/21/2018	<0.7 (D)	
10/2/2018	<0.7	
3/26/2019		0.49 (J)
9/11/2019		0.5 (J)
3/18/2020		1.3

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<0.7	
6/16/2016	<0.7	
8/11/2016	<0.7	
10/5/2016	<0.7	
11/29/2016	<0.7	
2/8/2017	<0.7	
4/6/2017	<0.7	
6/21/2017	<0.7	
10/5/2017	<0.7	
3/20/2018	<0.7	
10/2/2018	<0.7	
3/26/2019		0.39 (J)
9/11/2019		0.61 (J)
3/18/2020		0.62 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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	<0.7	
10/5/2016	<0.7	
11/30/2016	1.1	
2/8/2017	<0.7	
4/6/2017	<0.7	
6/21/2017	<0.7	
10/5/2017	<0.7	
3/21/2018	<0.7	
10/3/2018	<0.7	
3/26/2019		0.47 (J)
9/10/2019		0.7 (J)
3/18/2020		0.6 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	575	
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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	<0.7 (D)	
6/20/2016	0.36 (J)	
8/15/2016	<0.7	
10/6/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/7/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/4/2018	<0.7	
3/27/2019		0.51 (J)
9/11/2019		0.52 (J)
3/19/2020		0.54 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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	<25	
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/19/2020 9:24 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

FIGURE H.



# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:30 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-13	0.4812	62	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-8A	9.134	65	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.1079	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.2	69	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3033	74	48	Yes	14	21.43	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-13	0.04521	51	48	Yes	14	64.29	n/a	n/a	0.01	NP

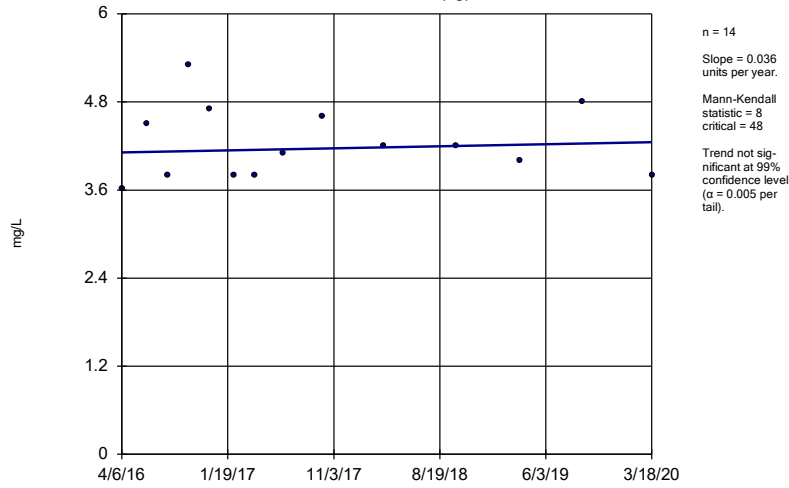
# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-15 (bg)	0.036	8	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.1448	20	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-12	0	0	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-13</b>	<b>0.4812</b>	<b>62</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium, total (mg/L)	GWC-19	0.6697	37	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>9.134</b>	<b>65</b>	<b>43</b>	<b>Yes</b>	<b>13</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)	0.01468	12	48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.1079</b>	<b>-55</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1214	-46	-48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.2</b>	<b>69</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride, Total (mg/L)	GWC-12	0	-16	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	-0.05163	-24	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0	4	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.02932	-62	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	4	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04318	44	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.005483	-21	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0	13	48	No	14	57.14	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-13	-48	No	14	92.86	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-34	-48	No	14	78.57	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.3033</b>	<b>74</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>21.43</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-12	0	4	48	No	14	71.43	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.04521</b>	<b>51</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>64.29</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	1.166	8	48	No	14	7.143	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	0	-5	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	2.388	10	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	21.52	29	38	No	12	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator

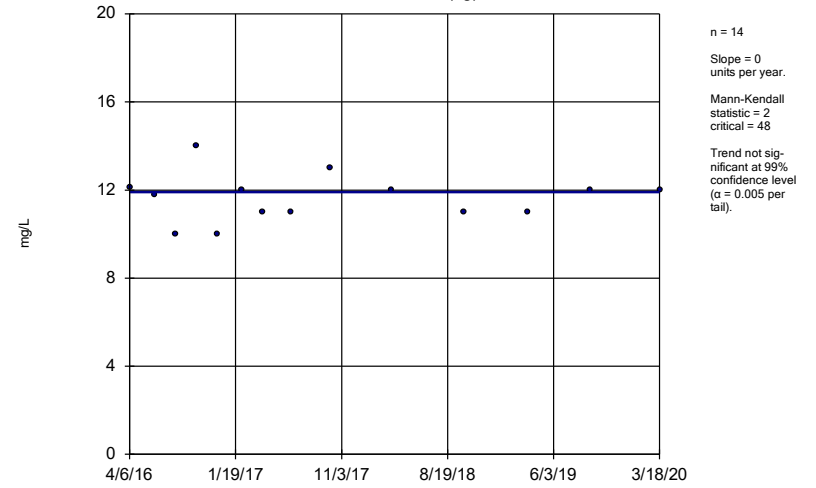
GWA-15 (bg)



Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

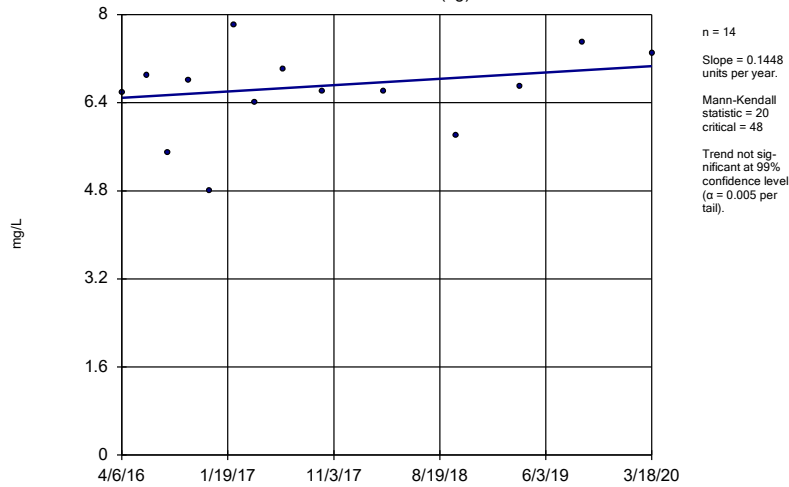
GWA-16 (bg)



Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

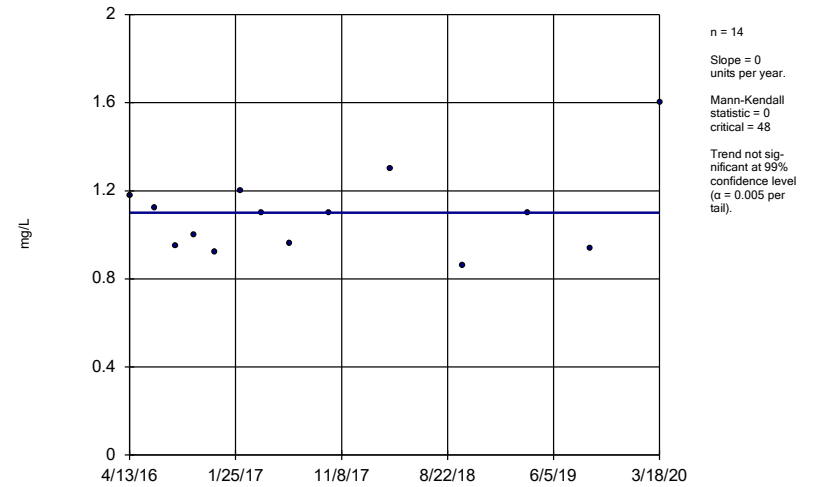
GWA-17 (bg)



Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

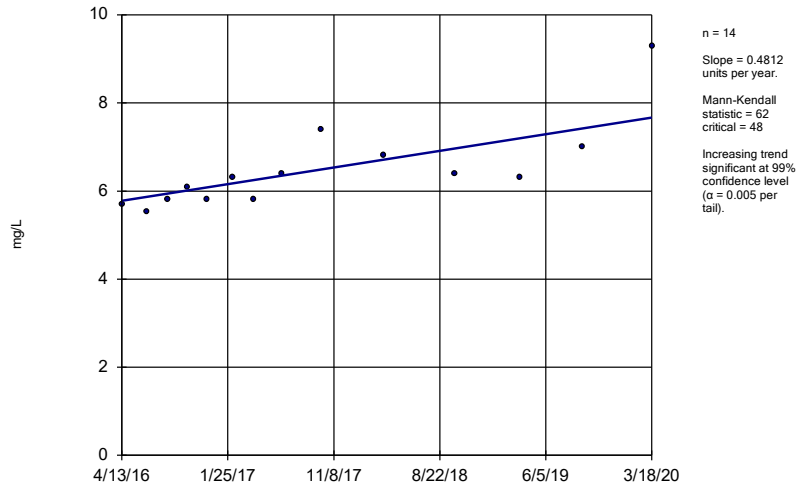
### Sen's Slope Estimator

GWC-12



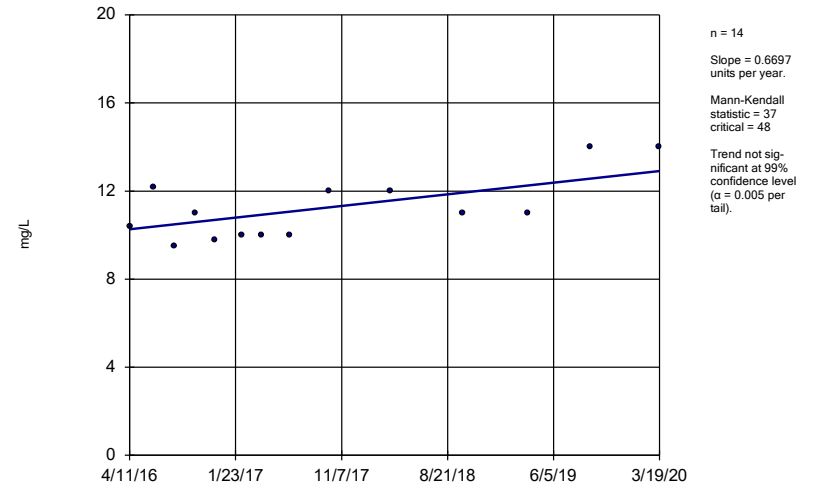
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-13



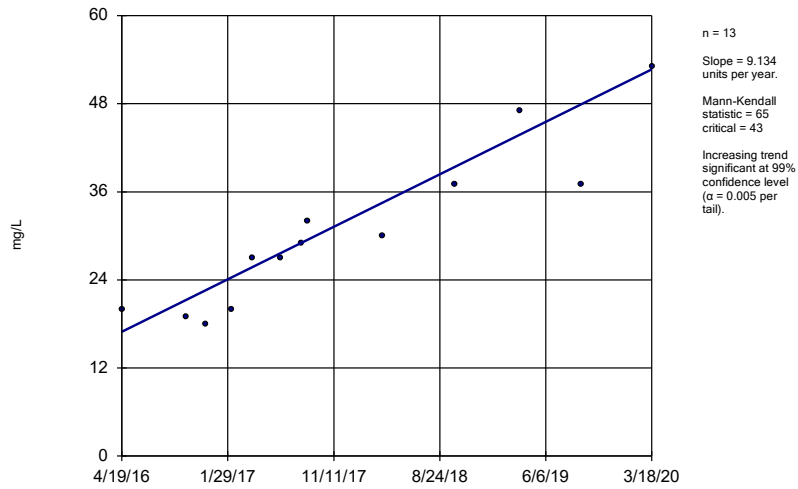
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



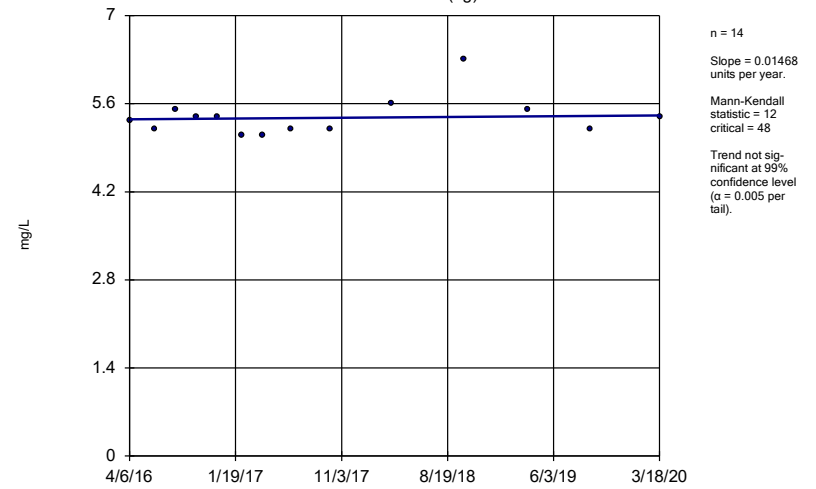
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-8A



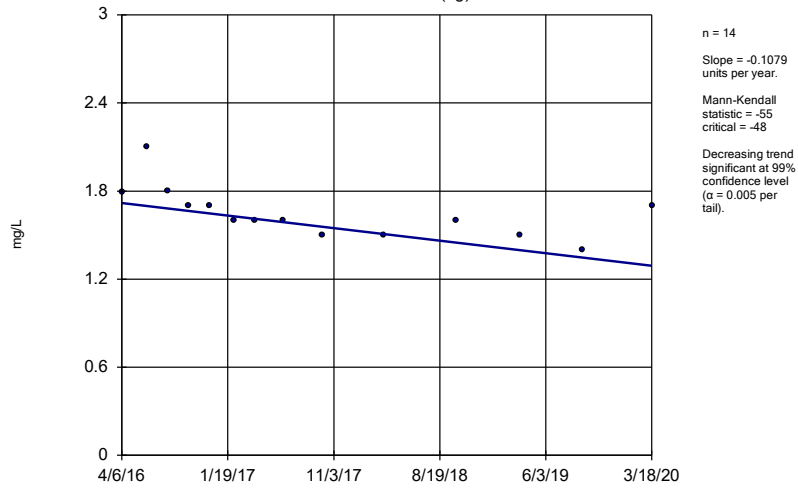
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)



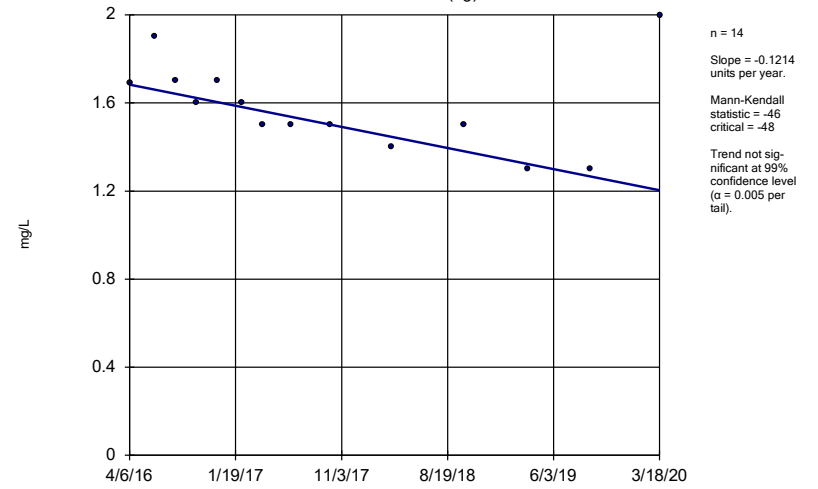
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



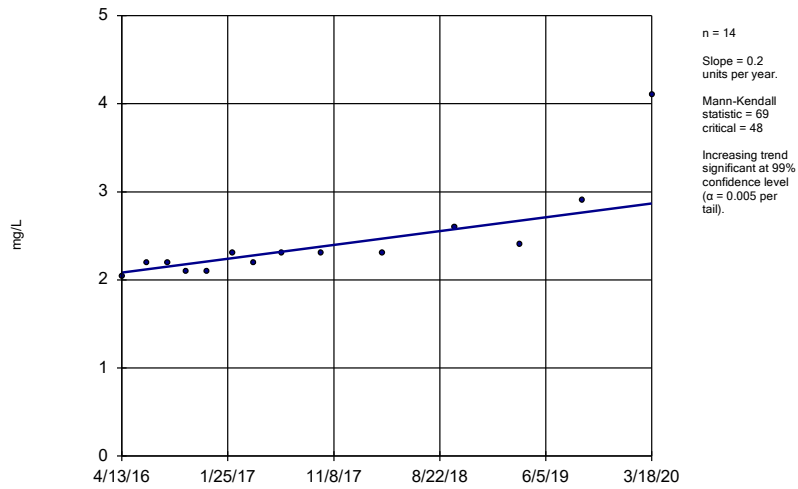
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



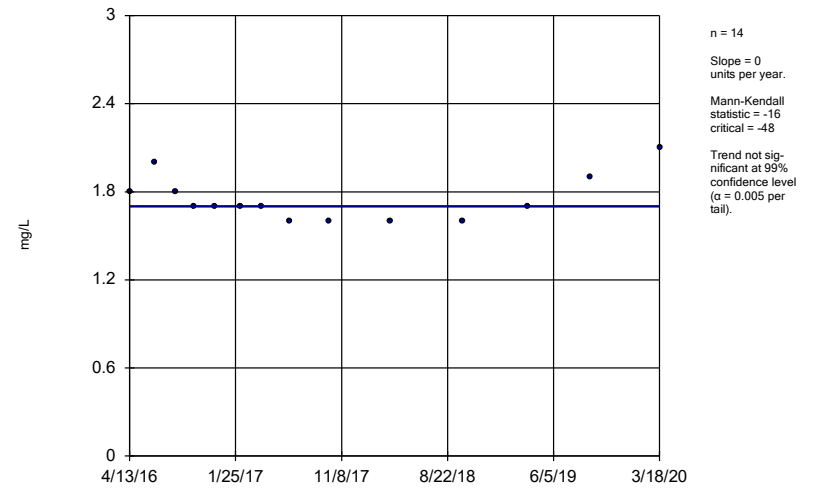
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-10



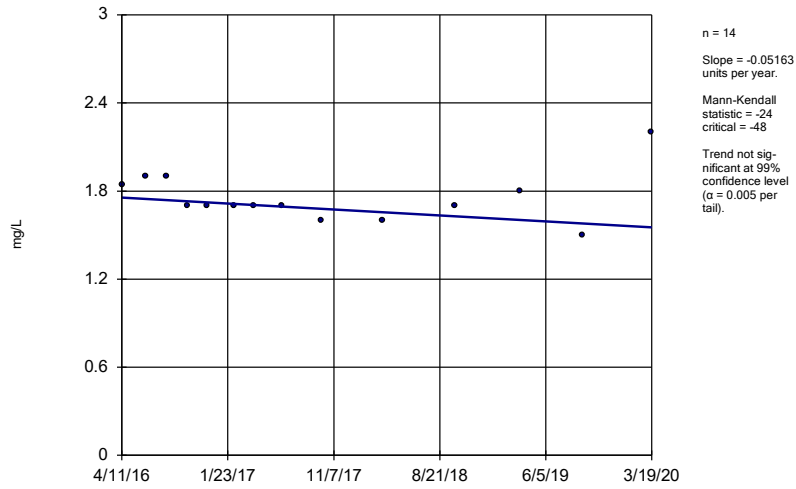
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-12



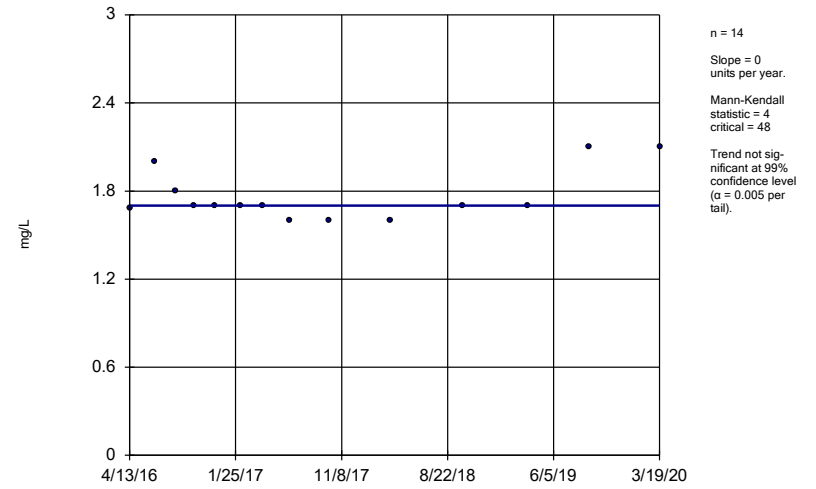
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



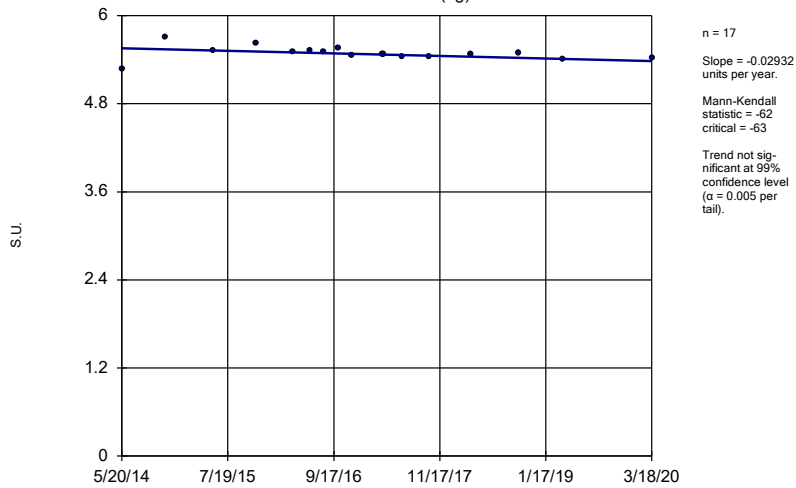
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-7



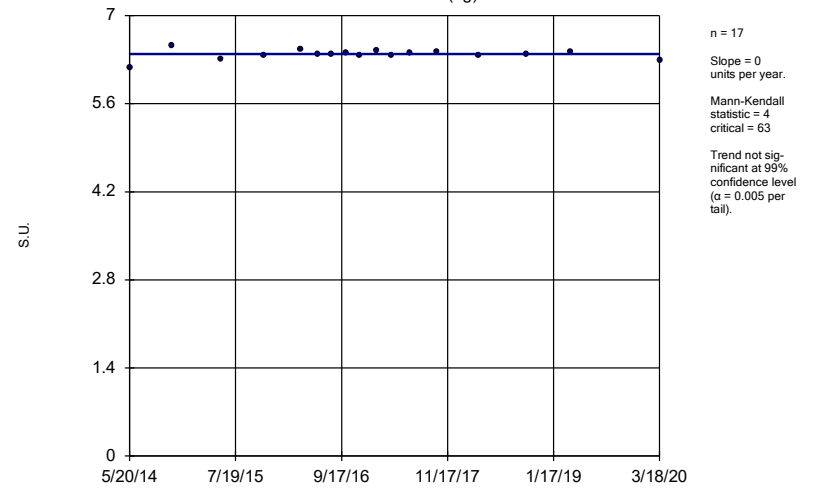
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)



Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

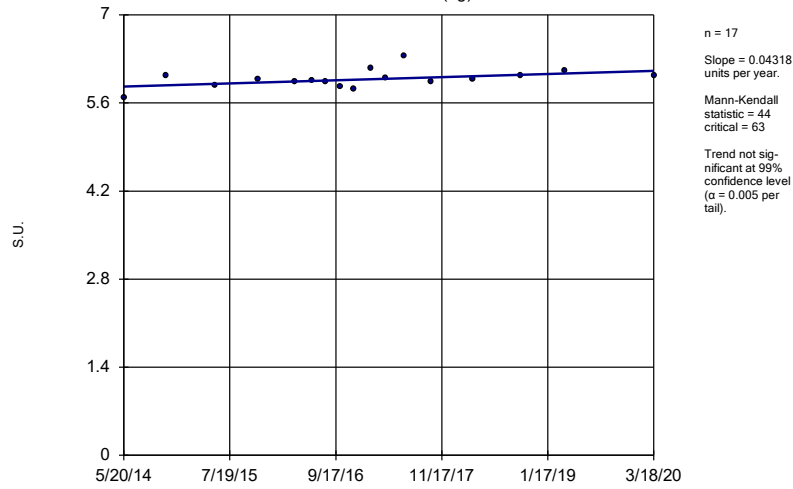
Sen's Slope Estimator  
GWA-16 (bg)



Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

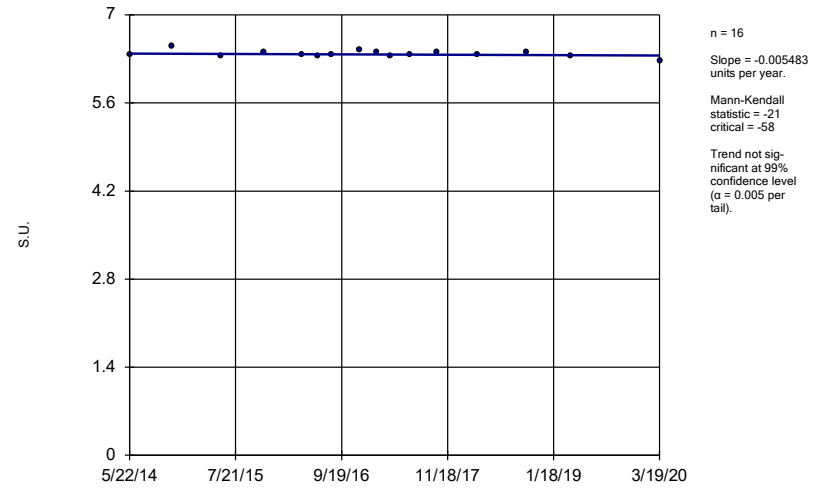
GWA-17 (bg)



Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

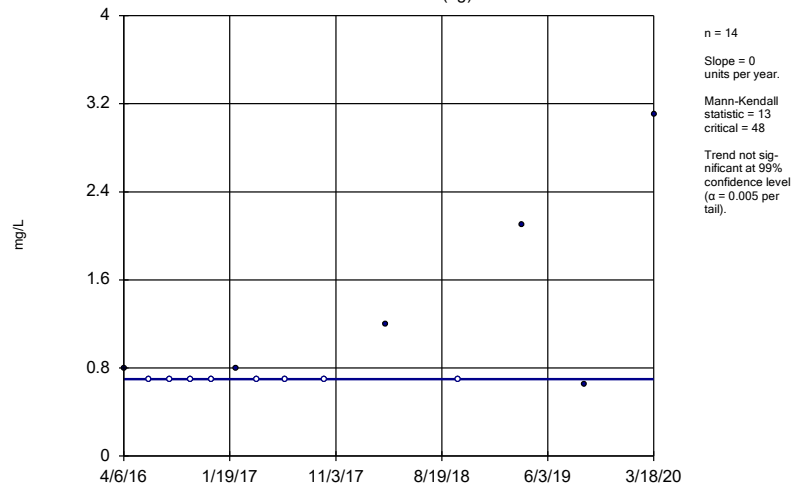
GWC-19



Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

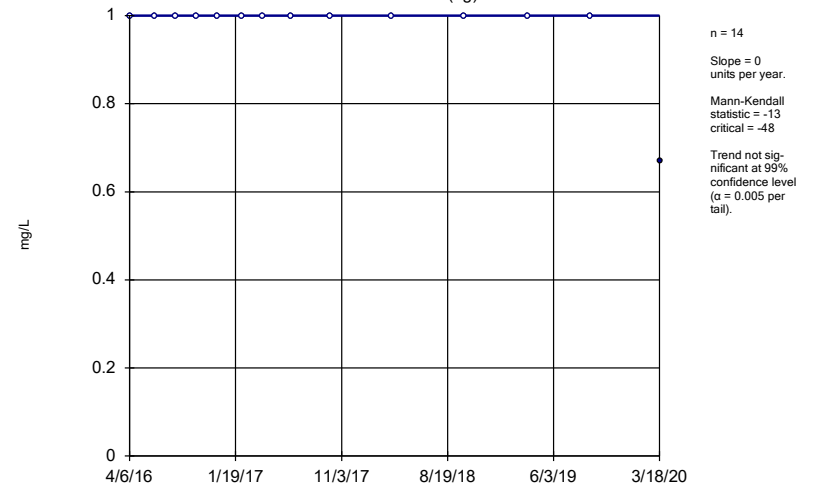
GWA-15 (bg)



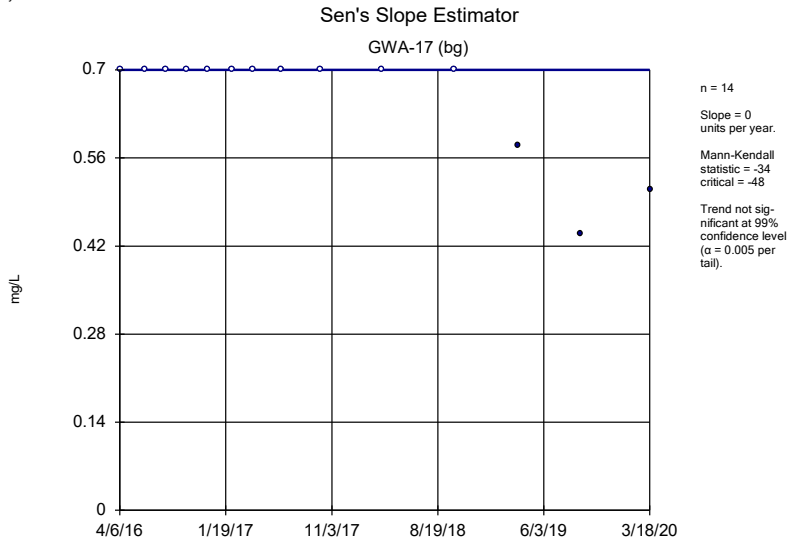
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

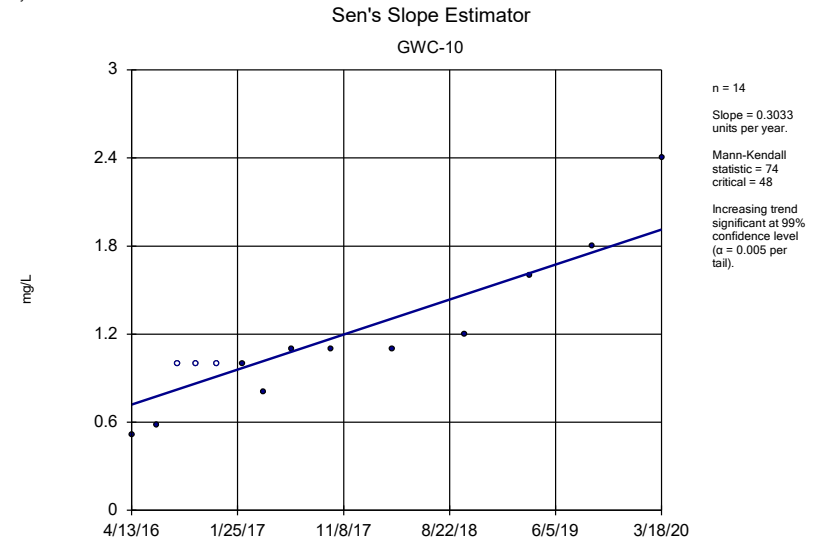
GWA-16 (bg)



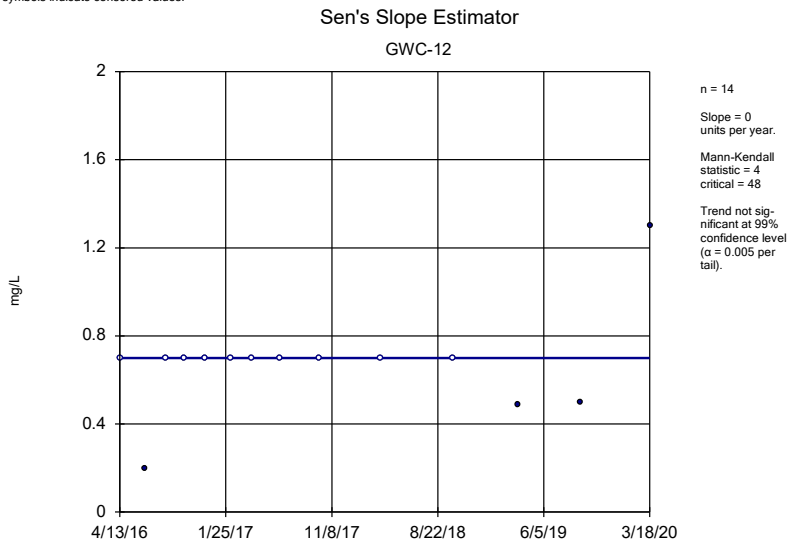
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



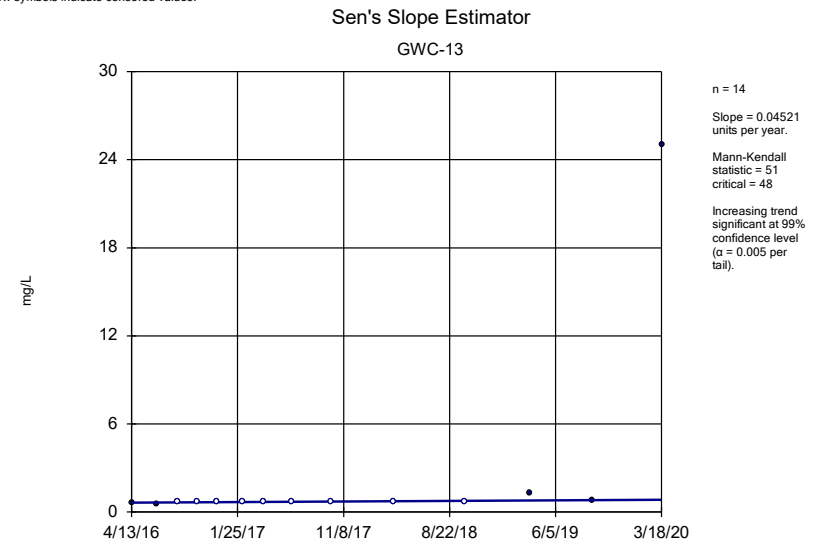
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

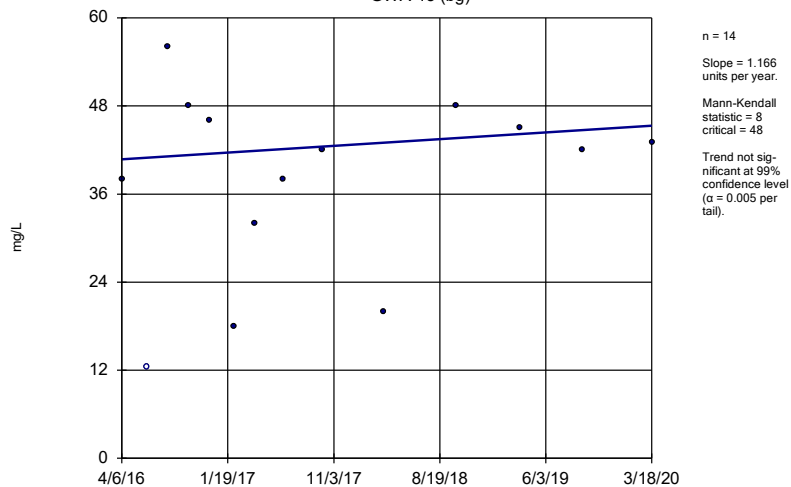


Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



### Sen's Slope Estimator

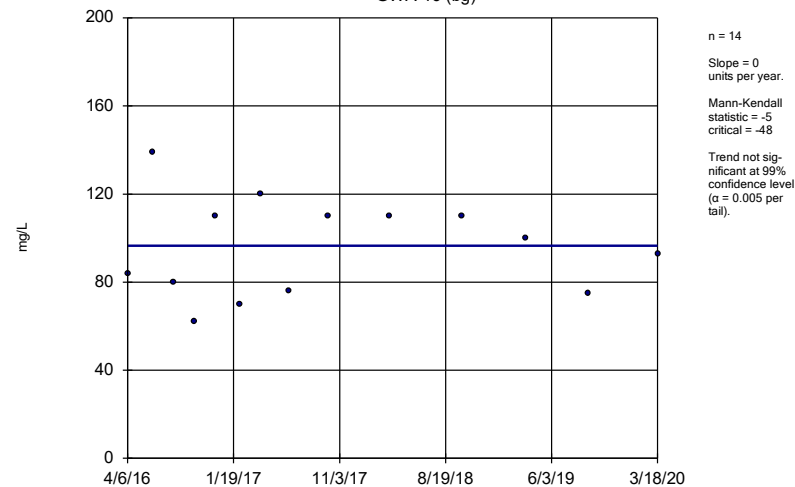
GWA-15 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

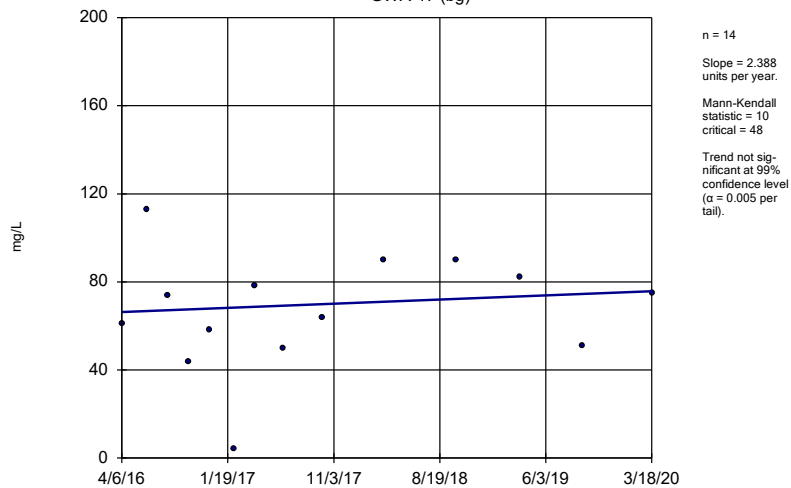
GWA-16 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

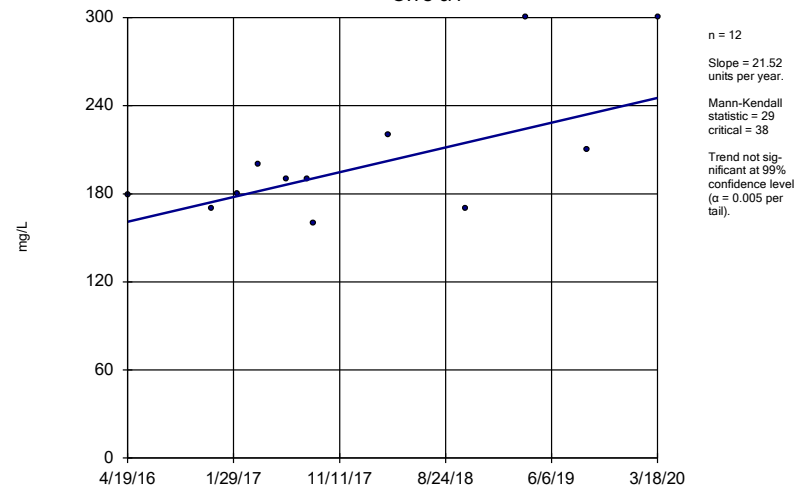
GWA-17 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Sen's Slope Estimator

GWC-8A



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

**APPENDIX C**

**STATISTICAL ANALYSES  
SEPTEMBER 2020**

## GROUNDWATER STATS CONSULTING



August 26, 2020

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 March 2020

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2020 Semi-Annual Groundwater Monitoring and Statistical Analysis summary of groundwater quality 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. 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 nondetects. 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 to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power

at 3 standard deviations or at least 80% power at 4 standard deviations. 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, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 13 (antimony, copper, and silver and were 100% nondetect 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 there are 100% nondetects present in downgradient wells for a given constituent, therefore; no analyses were included for antimony, copper, 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 nondetects, 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.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

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.

## **Background Screening Summary – Georgia EPD – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots are 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 nondetects 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 nondetects. 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. All values were re-evaluated during this (March 2020) analysis and an updated 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. 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 is 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.

#### 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.

Because this is a lined landfill with pre-waste data are available that show metals were present naturally in low level detections during the collection of background data, intrawell prediction limits are recommended as the most appropriate statistical analysis at this landfill. It was also noted that for some constituents the reported concentrations were higher in upgradient wells which would result in interwell limits that would not



readily detect changes in concentrations in downgradient wells. A summary table of the ANOVA results was included with the previous screening.

### **Background Screening Summary – Appendix III – Conducted in 2017**

The original background screening for Appendix III 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) is typically 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.

### **Statistical Analysis of Georgia EPD Constituents – March 2020**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic. The increasing trend in cobalt concentrations at well GWC-53, however, requires further investigation to determine whether or not the trend and the resulting prediction limit, which represents current conditions, are the result of facility impacts. If facility impacts cannot be ruled out, then trend analysis, along with the time series plot, may be used

instead of prediction limits to evaluate changes in concentrations for this well/constituent over time.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data within each well for constituents with detections through October 2018 and the March 2020 samples were compared to these limits (Figure D). As previously discussed, no statistical analyses were included for the following constituents that contain 100% nondetects in downgradient wells: antimony, copper, and silver.

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 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 (upgradient), GWA-46 (upgradient), GWC-29, and GWC-52
- Chromium: GWC-52
- Vanadium: GWA-21 (upgradient)

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 statistically increasing, decreasing, or stable (Figure E). 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. A summary of the trend tests follows this letter. Exceedances were noted for the following well/constituent pairs:

Increasing:

- Barium: GWA-21 (upgradient), GWC-29, 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)

## Statistical Analysis of Appendix III Parameters – March 2020

For Appendix III parameters, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through October 2018 and the March 2020 samples were compared to these limits (Figure F). As mentioned above, intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well.

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. The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWA-22 (upgradient), GWC-29, GWA-47 (upgradient), and GWC-52
- Chloride: GWA-46 (upgradient), GWC-51, and GWC-53
- pH: GWC-29 and GWA-45 (upgradient)
- Sulfate: GWC-29 and GWC-52

Typically, when increasing concentrations are identified in upgradient wells it is an indication that groundwater quality is changing naturally. In all cases listed above, reported downgradient measurements are similar to or lower than those reported in at least one upgradient well.

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 G). 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, but statistically significant increasing trends were identified for the following well/constituent pairs:

Increasing:

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient) and GWC-53
- 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  
Groundwater Analyst



Kristina L. Rayner  
Groundwater Statistician

# 100% Nondetect Well-Constituent Pairs

Date: 6/19/2020 11:09 AM

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, 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-21, GWA-46, GWA-49, GWC-29, GWC-50, GWC-51, 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

# Intrawell Prediction Limit Summary (State) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 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)	GWA-45	0.05677	n/a	3/19/2020	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.0216	n/a	3/19/2020	0.023	Yes	23	0.01903	0.001165	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.01827	n/a	3/19/2020	0.019	Yes	24	0.01557	0.001235	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01427	n/a	3/19/2020	0.018	Yes	24	0.0001239	0.000036470		None	x^2	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01528	n/a	3/19/2020	0.029	Yes	24	0.00975	0.002526	4.167	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0028	n/a	3/19/2020	0.003	Yes	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 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)	GWA-45	0.0015	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	3/19/2020	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02924	n/a	3/19/2020	0.027	No	23	0.02234	0.003125	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.03048	n/a	3/19/2020	0.024	No	24	0.02464	0.002664	0	None	No	0.0008101	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05677</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.11</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>0.0008101</b>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.0216</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.023</b>	<b>Yes</b>	<b>23</b>	<b>0.01903</b>	<b>0.001165</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWA-47	0.04903	n/a	3/20/2020	0.029	No	23	0.3093	0.02571	0	None	x^(1/3)	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	3/19/2020	0.02	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02218	n/a	3/19/2020	0.02	No	24	0.01917	0.001375	0	None	No	0.0008101	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.01827</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.019</b>	<b>Yes</b>	<b>24</b>	<b>0.01557</b>	<b>0.001235</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-50	0.01411	n/a	3/19/2020	0.013	No	24	0.01153	0.001179	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.013	n/a	3/19/2020	0.011	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01427</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.018</b>	<b>Yes</b>	<b>24</b>	<b>0.0001239</b>	<b>0.000036470</b>	<b>None</b>	<b>None</b>	<b>x^2</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-53	0.1167	n/a	3/19/2020	0.047	No	24	-2.78	0.2886	8.333	None	ln(x)	0.0008101	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	3/20/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008932	n/a	3/19/2020	0.0026	No	24	0.05569	0.01773	16.67	Kaplan-Meier	sqrt(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01114	n/a	3/19/2020	0.011	No	24	0.006342	0.002193	8.333	None	No	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.00806	n/a	3/19/2020	0.0043	No	24	-5.349	0.2412	4.167	None	ln(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	3/20/2020	0.0085	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	3/19/2020	0.0063	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009411	n/a	3/19/2020	0.0055	No	24	0.07821	0.008586	4.167	None	sqrt(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.00633	n/a	3/19/2020	0.0047	No	24	0.004458	0.0008549	8.333	None	No	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005894	n/a	3/19/2020	0.0032	No	24	0.003479	0.001103	12.5	None	No	0.0008101	Param Intra 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01528</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.029</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>0.0008101</b>	<b>Param Intra 1 of 2</b>
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	3/19/2020	0.00015J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	3/19/2020	0.0025ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01254	n/a	3/19/2020	0.0005J	No	24	-5.768	0.6346	29.17	Kaplan-Meier	ln(x)	0.0008101	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0004	n/a	3/19/2020	0.00025J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	3/20/2020	0.0025ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.00017	n/a	3/19/2020	0.00029J	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01688	n/a	3/19/2020	0.0083	No	24	0.008567	0.003795	8.333	None	No	0.0008101	Param Intra 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	n/a	3/19/2020	0.00019J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	n/a	3/20/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	n/a	3/19/2020	0.0002J	No	24	n/a	n/a	66.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead, Total (mg/L)	GWC-52	0.006	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	3/20/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	3/19/2020	0.00037J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	3/19/2020	0.00074J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	3/19/2020	0.001ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	3/20/2020	0.001ND	No	19	n/a	n/a	57.89	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	3/19/2020	0.0004J	No	19	n/a	n/a	52.63	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	3/19/2020	0.001ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	3/19/2020	0.0039	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	3/19/2020	0.0015	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0021	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008351	n/a	3/19/2020	0.007	No	19	0.006747	0.0007019	10.53	None	No	0.0008101	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	3/19/2020	0.005ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	3/20/2020	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	3/19/2020	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	3/19/2020	0.005ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.00032	n/a	3/19/2020	0.00036J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.00015	n/a	3/19/2020	0.00018J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.0028</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.003</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>68.42</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	3/19/2020	0.0052	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	3/19/2020	0.0031	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.005858	n/a	3/19/2020	0.0033	No	18	0.003403	0.001061	22.22	Kaplan-Meier	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.03346	n/a	3/20/2020	0.0086	No	19	0.1031	0.03492	10.53	None	sqrt(x)	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02231	n/a	3/19/2020	0.019	No	18	0.01494	0.003186	5.556	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02256	n/a	3/19/2020	0.02	No	19	0.01838	0.00183	0	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.006807	n/a	3/19/2020	0.0044	No	19	0.00459	0.0009702	10.53	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.0044	n/a	3/19/2020	0.0027	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.006531	n/a	3/19/2020	0.0046	No	19	0.004314	0.0009703	26.32	Kaplan-Meier	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01402	n/a	3/19/2020	0.01	No	19	0.01127	0.001205	10.53	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	3/19/2020	0.001ND	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.005	n/a	3/19/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0065	n/a	3/19/2020	0.0037J	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2



# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	3/19/2020	0.0035J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	3/20/2020	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0065	n/a	3/19/2020	0.0037J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0065	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02001	n/a	3/19/2020	0.014	No	18	0.01363	0.002756	0	None	No	0.0008101	Param Intra 1 of 2

# State Parameters Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:31 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>
Barium, Total (mg/L)	GWA-21 (bg)	0.0006319	125	118	Yes	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004326	-127	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.005403	276	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0002963	119	118	Yes	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0003067	145	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0006231	249	124	Yes	27	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0005629	-164	-124	Yes	27	14.81	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0006778	212	124	Yes	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.0008253	182	124	Yes	27	3.704	n/a	n/a	0.01	NP

# State Parameters Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
<b>Barium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.0006319</b>	<b>125</b>	<b>118</b>	<b>Yes</b>	<b>26</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-22 (bg)</b>	<b>-0.0004326</b>	<b>-127</b>	<b>-124</b>	<b>Yes</b>	<b>27</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>0.005403</b>	<b>276</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>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.0002963</b>	<b>119</b>	<b>118</b>	<b>Yes</b>	<b>26</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)	-0.001405	-99	-118	No	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-37	-111	No	25	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-42	-124	No	27	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0003067</b>	<b>145</b>	<b>124</b>	<b>Yes</b>	<b>27</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>GWC-52</b>	<b>0.0006231</b>	<b>249</b>	<b>124</b>	<b>Yes</b>	<b>27</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>-0.0005629</b>	<b>-164</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>14.81</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>0.0006778</b>	<b>212</b>	<b>124</b>	<b>Yes</b>	<b>27</b>	<b>7.407</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	111	No	25	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00009914	78	124	No	27	3.704	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003712	-53	-124	No	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.00052	-97	-124	No	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.0000804	-32	-124	No	27	3.704	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0008253</b>	<b>182</b>	<b>124</b>	<b>Yes</b>	<b>27</b>	<b>3.704</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Intrawell Prediction Limit Summary (Federal) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:17 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)	GWA-22	9.51	n/a	3/19/2020	9.7	Yes	11	6.891	1.091	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-47	11.8	n/a	3/20/2020	12	Yes	11	13250	2544	0	None	x^4	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	11.14	n/a	3/19/2020	16	Yes	11	9.564	0.6562	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	16.21	n/a	3/19/2020	19	Yes	11	13.28	1.219	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-46	4.044	n/a	3/19/2020	4.5	Yes	11	3.192	0.3551	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.083	n/a	3/19/2020	7.3	Yes	10	6.63	0.1829	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-53	12	n/a	3/19/2020	13	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-45	6.448	5.747	3/19/2020	6.46	Yes	13	6.098	0.1537	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-29	5.923	5.7	3/19/2020	5.97	Yes	13	5.812	0.04896	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-29	2.916	n/a	3/19/2020	3.2	Yes	11	2.486	0.179	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	3/19/2020	40	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2

# Intrawell Prediction Limit Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:17 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-21	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-22	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.132	n/a	3/19/2020	0.86	No	11	0.4969	0.2648	0	None	n/a	No	0.001504	Param Intra 1 of 2
Boron, total (mg/L)	GWA-46	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	3/20/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-49	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-50	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-51	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-52	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.129	n/a	3/19/2020	1	No	11	0.9258	0.08464	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-21	11.64	n/a	3/19/2020	11	No	11	8.706	1.221	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWA-22</b>	<b>9.51</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>9.7</b>	<b>Yes</b>	<b>11</b>	<b>6.891</b>	<b>1.091</b>	<b>0</b>	<b>None</b>	<b>n/a</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWA-45	46.4	n/a	3/19/2020	45	No	11	36.48	4.133	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-46	7.033	n/a	3/19/2020	6.7	No	11	5.597	0.5984	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWA-47</b>	<b>11.8</b>	<b>n/a</b>	<b>3/20/2020</b>	<b>12</b>	<b>Yes</b>	<b>11</b>	<b>13250</b>	<b>2544</b>	<b>0</b>	<b>None</b>	<b>x^4</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWA-48	14.23	n/a	3/19/2020	14	No	11	12.36	0.7788	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.69	n/a	3/19/2020	15	No	11	14.05	0.6861	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>11.14</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>16</b>	<b>Yes</b>	<b>11</b>	<b>9.564</b>	<b>0.6562</b>	<b>0</b>	<b>None</b>	<b>n/a</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-50	8.105	n/a	3/19/2020	7.9	No	11	7.022	0.4513	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-51	7.814	n/a	3/19/2020	7.1	No	11	6.6	0.506	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>16.21</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>19</b>	<b>Yes</b>	<b>11</b>	<b>13.28</b>	<b>1.219</b>	<b>0</b>	<b>None</b>	<b>n/a</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-53	21.17	n/a	3/19/2020	19	No	11	16.72	1.853	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-21	4.383	n/a	3/19/2020	3.9	No	11	3.23	0.4804	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-22	5.531	n/a	3/19/2020	2.2	No	11	3.155	0.9903	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	10	n/a	3/19/2020	9.9	No	11	n/a	n/a	0	n/a	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-46</b>	<b>4.044</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>4.5</b>	<b>Yes</b>	<b>11</b>	<b>3.192</b>	<b>0.3551</b>	<b>0</b>	<b>None</b>	<b>n/a</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWA-47	1.753	n/a	3/20/2020	1.7	No	11	1.479	0.1141	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.991	n/a	3/19/2020	1.9	No	10	1.724	0.1077	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-49	2.432	n/a	3/19/2020	2.2	No	11	2.09	0.1425	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-29	4.257	n/a	3/19/2020	3.4	No	10	3.5	0.3055	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-50	2.1	n/a	3/19/2020	2.1	No	11	n/a	n/a	0	n/a	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>7.083</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>7.3</b>	<b>Yes</b>	<b>10</b>	<b>6.63</b>	<b>0.1829</b>	<b>0</b>	<b>None</b>	<b>n/a</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-52	8.651	n/a	3/19/2020	8.2	No	10	7.93	0.2908	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-53</b>	<b>12</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>13</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (normality) 1 of 2</b>
Fluoride, total (mg/L)	GWA-21	0.082	n/a	3/19/2020	0.059J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	3/19/2020	0.054J	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.035	n/a	3/19/2020	0.041J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	3/20/2020	0.1ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	3/19/2020	0.049J	No	11	n/a	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	3/19/2020	0.044J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	3/19/2020	0.042J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.082	n/a	3/19/2020	0.039J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.027	n/a	3/19/2020	0.037J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	3/19/2020	0.053J	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-53	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-21	5.962	5.587	3/19/2020	5.81	No	13	5.775	0.08222	0	None	n/a	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-22	6.27	5.499	3/19/2020	6.14	No	14	5.884	0.1725	0	None	n/a	No	0.000752	Param Intra 1 of 2

# Intrawell Prediction Limit Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>pH (S.U.)</b>	<b>GWA-45</b>	<b>6.448</b>	<b>5.747</b>	<b>3/19/2020</b>	<b>6.46</b>	<b>Yes</b>	<b>13</b>	<b>6.098</b>	<b>0.1537</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>
pH (S.U.)	GWA-46	6.83	5.71	3/19/2020	5.93	No	13	n/a	n/a	0	n/a	n/a	0.01938	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-47	6.552	6.309	3/20/2020	6.39	No	14	6.431	0.05427	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-48	6.981	6.519	3/19/2020	6.73	No	13	6.75	0.1012	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-49	7.091	6.613	3/19/2020	6.87	No	13	6.852	0.1048	0	None	No	0.000752	Param Intra 1 of 2
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>5.923</b>	<b>5.7</b>	<b>3/19/2020</b>	<b>5.97</b>	<b>Yes</b>	<b>13</b>	<b>5.812</b>	<b>0.04896</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>
pH (S.U.)	GWC-50	5.994	5.672	3/19/2020	5.78	No	14	5.833	0.07205	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-51	5.977	5.714	3/19/2020	5.9	No	14	5.846	0.0588	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-52	6.806	6.488	3/19/2020	6.64	No	14	6.647	0.07119	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-53	5.76	5.399	3/19/2020	5.65	No	13	5.579	0.07921	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-21	2.884	n/a	3/19/2020	0.92J	No	11	1.481	0.5847	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	3/19/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	182.1	n/a	3/19/2020	150	No	11	144.3	15.75	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	0.7	n/a	3/19/2020	0.39J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	0.38	n/a	3/20/2020	0.58J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.626	n/a	3/19/2020	1.5	No	11	1.176	0.1875	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	0.7	n/a	3/19/2020	0.56J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-29</b>	<b>2.916</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>3.2</b>	<b>Yes</b>	<b>11</b>	<b>2.486</b>	<b>0.179</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-50	1	n/a	3/19/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	0.7	n/a	3/19/2020	0.71J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	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>3/19/2020</b>	<b>40</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	182.6	n/a	3/19/2020	170	No	11	148.7	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	109.9	n/a	3/19/2020	100	No	11	76.64	13.87	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	115	n/a	3/19/2020	65	No	11	65.73	20.51	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	336.6	n/a	3/19/2020	310	No	11	254.3	34.3	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	86.78	n/a	3/19/2020	51	No	11	46.5	16.78	9.091	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	116	n/a	3/20/2020	99	No	11	81.82	14.25	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	120.7	n/a	3/19/2020	97	No	11	87.36	13.87	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	118.7	n/a	3/19/2020	110	No	10	102.4	6.586	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	138.1	n/a	3/19/2020	110	No	11	84.73	22.22	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	129.2	n/a	3/19/2020	64	No	11	68.91	25.11	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	102.5	n/a	3/19/2020	66	No	10	74	11.51	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	184	n/a	3/19/2020	160	No	11	10.79	1.155	0	None	sqrt(x)	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	326.8	n/a	3/19/2020	270	No	11	243.5	34.73	0	None	No	0.001504	Param Intra 1 of 2

# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:38 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-29	0.866	58	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.364	58	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4014	60	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-53	0.6515	52	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	7.89	77	48	Yes	14	7.143	n/a	n/a	0.01	NP

# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/19/2020, 11:38 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.419	24	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	2.439	43	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2267	31	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.2489	36	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.265	34	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	12	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>0.866</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.364</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.2699	41	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4393	-35	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.0411	15	48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4014</b>	<b>60</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	-0.1008	-41	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.08738	-33	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.08138	-48	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.1536	36	43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-53</b>	<b>0.6515</b>	<b>52</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.008095	13	58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01822	14	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.002531	-5	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01559	22	58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.003386	7	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	-0.005176	-6	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0	-1	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.03162	38	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.2692	24	48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-11	-48	No	14	92.86	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	4.495	24	48	No	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-22	-48	No	14	71.43	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	25	48	No	14	85.71	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.04356	20	48	No	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	3	48	No	14	71.43	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-29	0.2158	41	48	No	14	7.143	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>7.89</b>	<b>77</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>7.143</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>







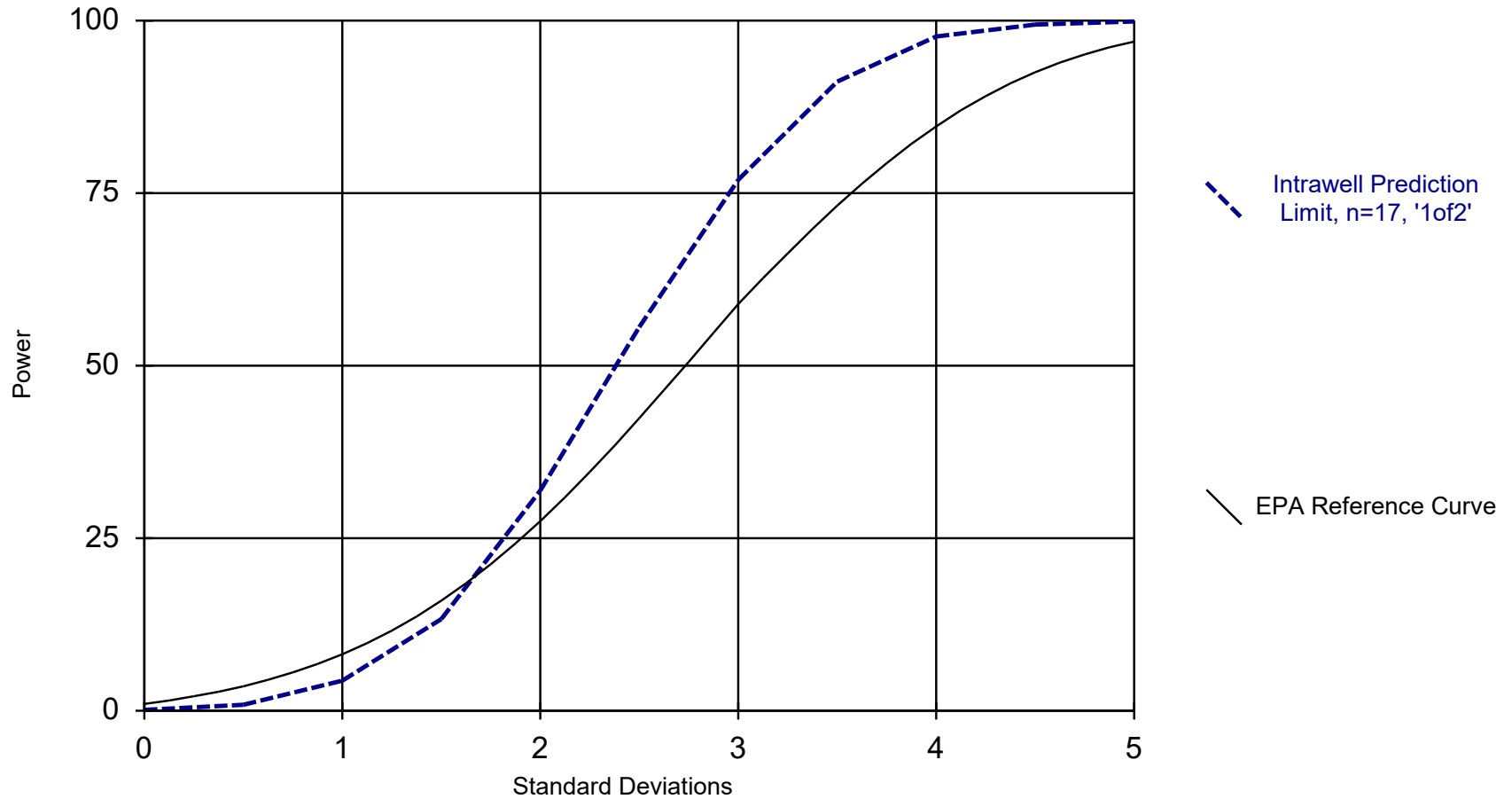


# Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:02 AM

Date	GWA-21 Vanadium, Total (mg/L)	GWA-22 Vanadium, Total (mg/L)	GWA-45 Vanadium, Total (mg/L)	GWA-46 Vanadium, Total (mg/L)	GWA-48 Vanadium, Total (mg/L)	GWC-53 Vanadium, Total (mg/L)	GWA-22 Zinc, Total (mg/L)	GWA-46 Zinc, Total (mg/L)	GWA-47 Zinc, Total (mg/L)	GWC-50 Zinc, Total (mg/L)
12/20/2010										
12/21/2010										
12/22/2010										
2/14/2011										
10/25/2011					0.012 (O)					
5/1/2012										
11/8/2012		0.0062 (O)		0.02 (O)				0.013 (O)		
11/4/2013										
11/5/2013										
5/23/2014									0.014 (O)	
5/20/2015										
5/21/2015										
5/22/2015										
11/13/2015						0.039 (O)				
4/8/2016					0.0136 (O)					
4/11/2016										
6/14/2016										
12/19/2016										
2/13/2017										
10/9/2017										
10/3/2018										
10/4/2018									0.0076 (O)	
3/27/2019	0.0072 (O)		0.0071 (O)							

### State Parameter Intrawell Power Curve

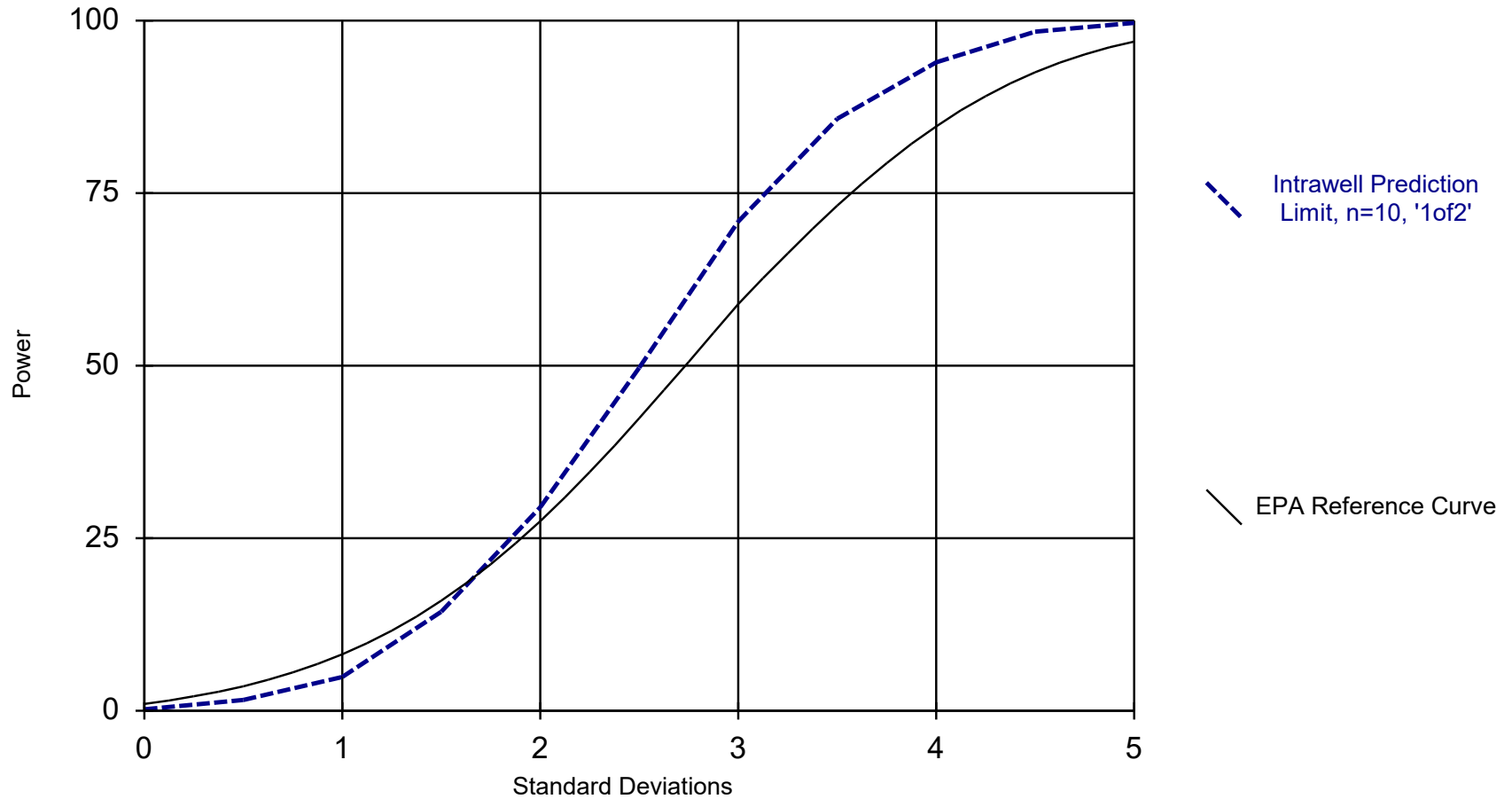


Kappa = 2.343, based on 5 compliance wells and 13 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/19/2020 11:42 AM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Appendix III Intrawell Power Curve



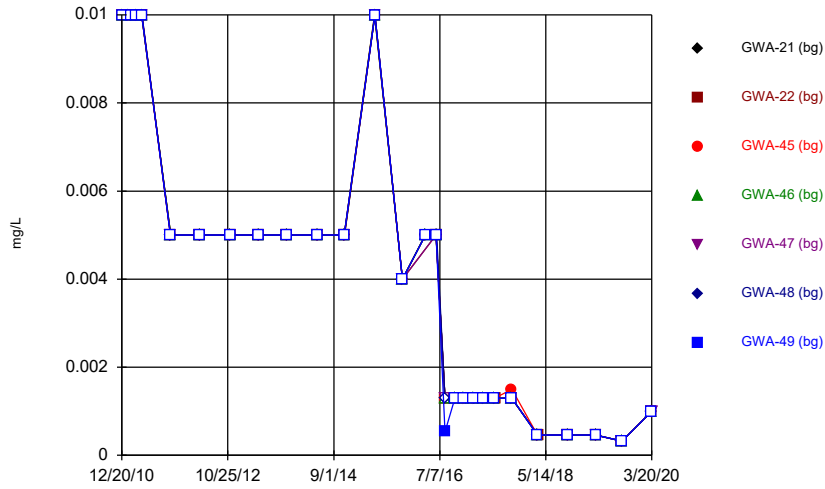
Kappa = 2.478, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 1:26 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

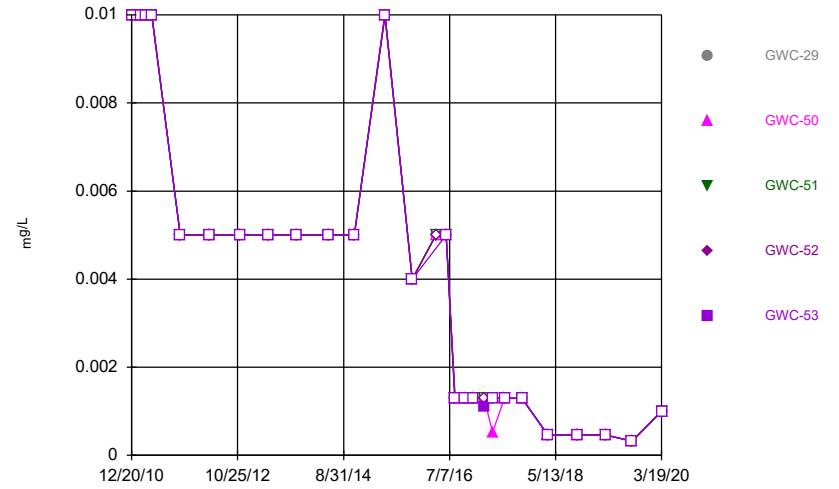
FIGURE A.

Time Series



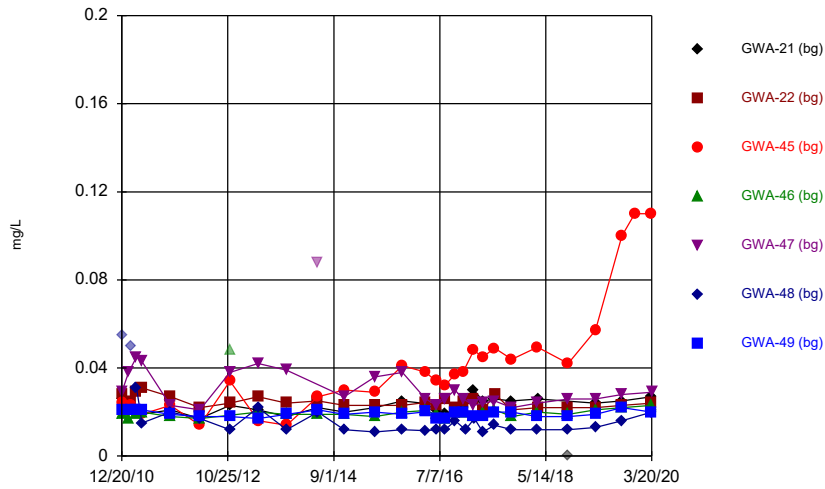
Constituent: Arsenic, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



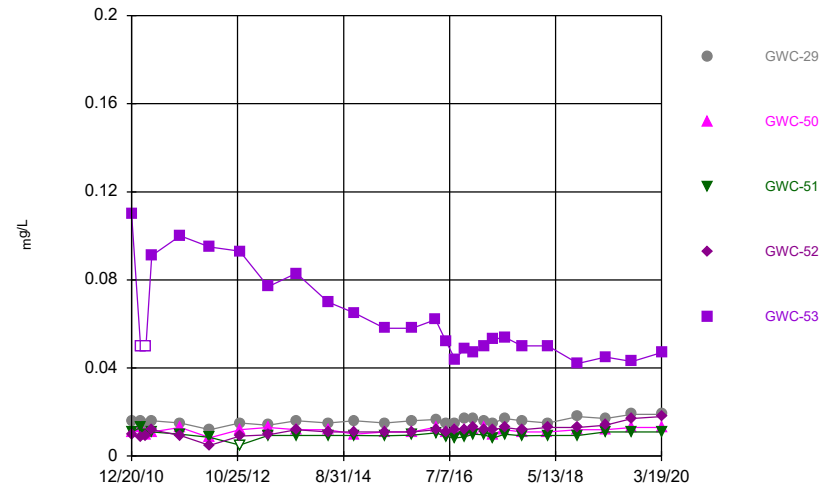
Constituent: Arsenic, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Barium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

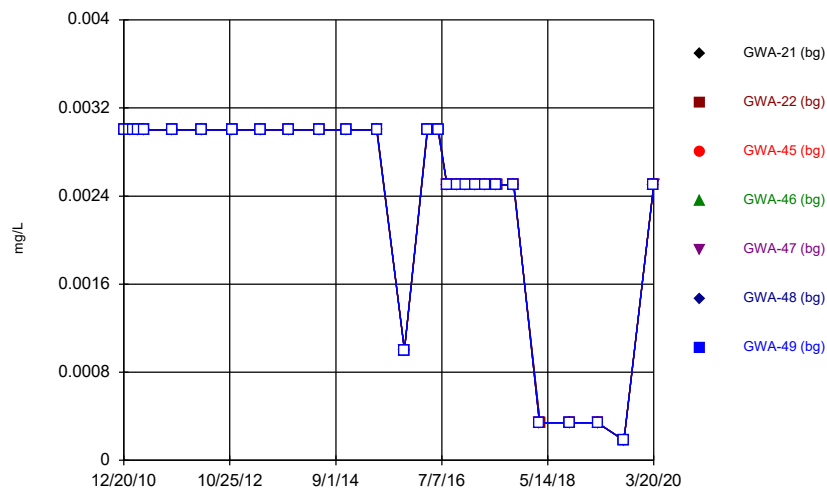
Time Series



Constituent: Barium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

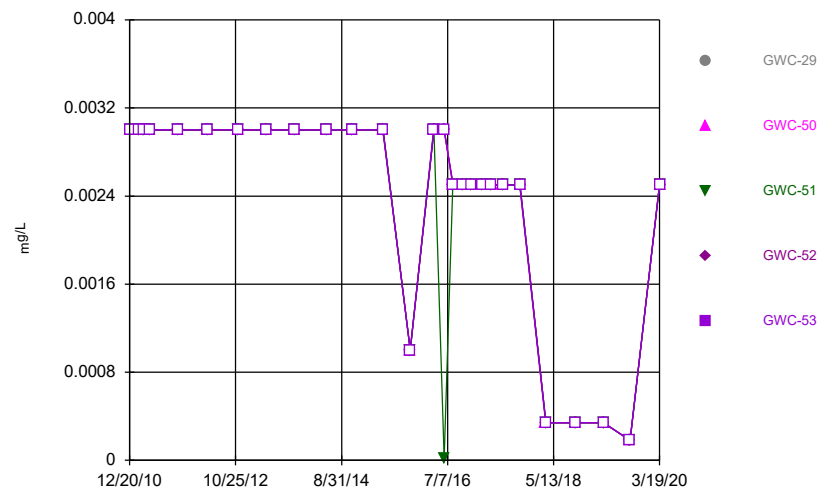


Time Series



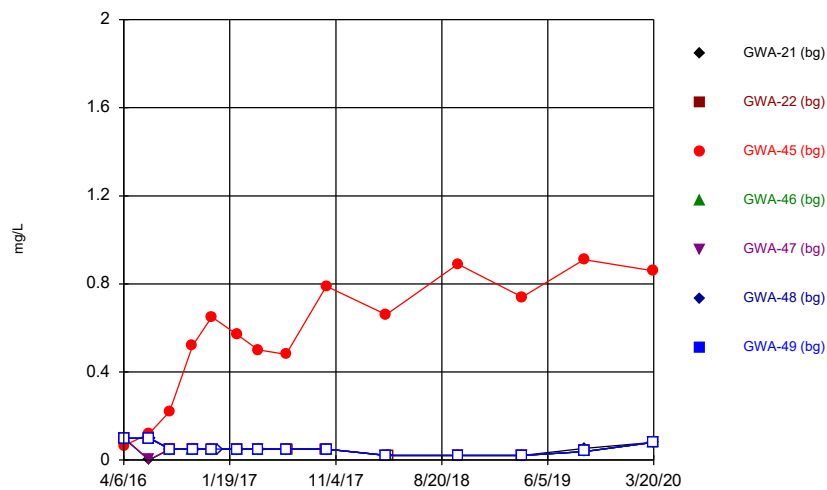
Constituent: Beryllium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



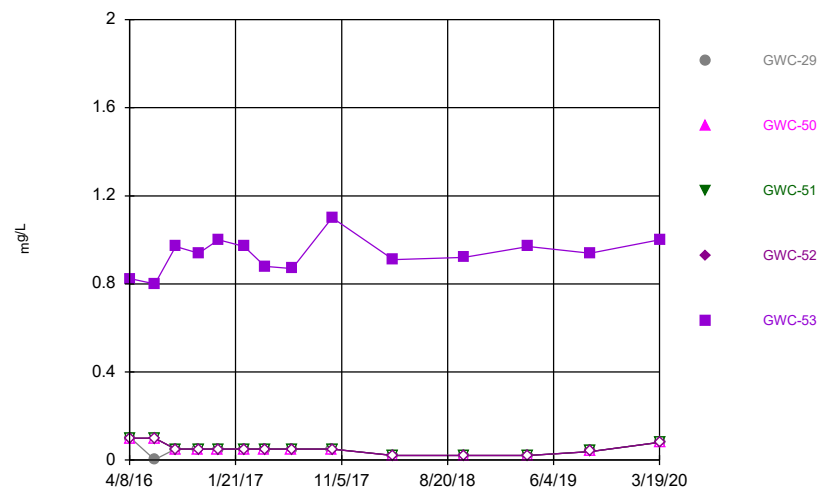
Constituent: Beryllium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



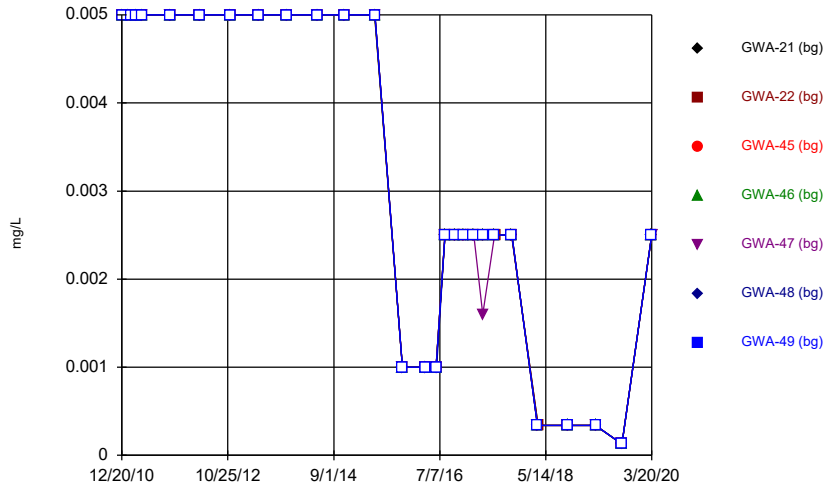
Constituent: Boron, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



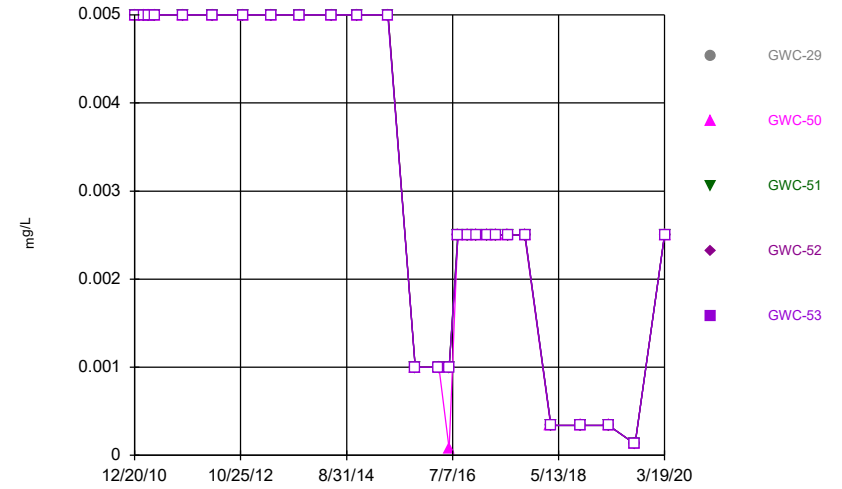
Constituent: Boron, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



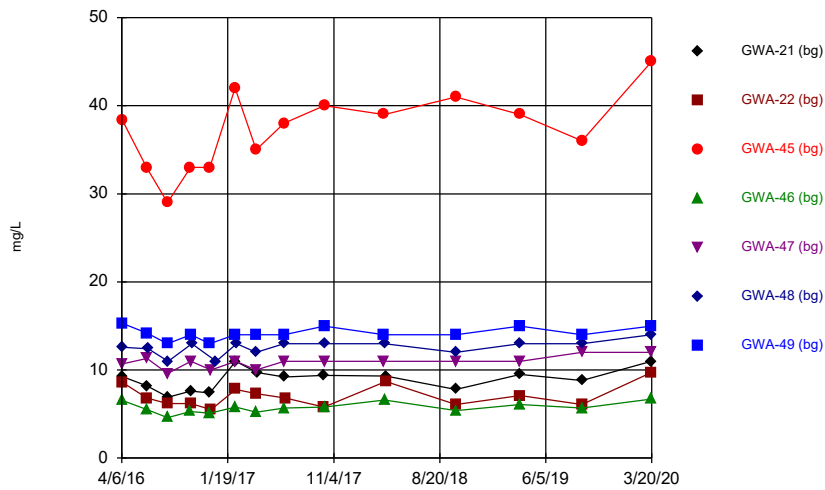
Constituent: Cadmium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



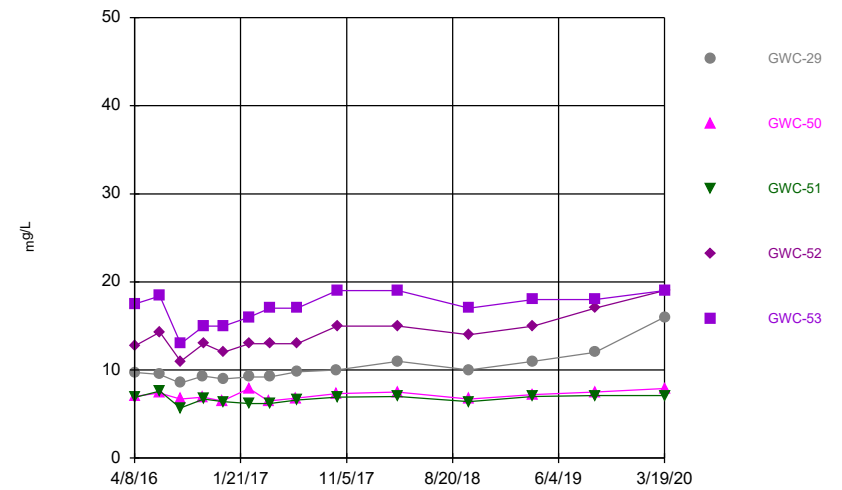
Constituent: Cadmium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



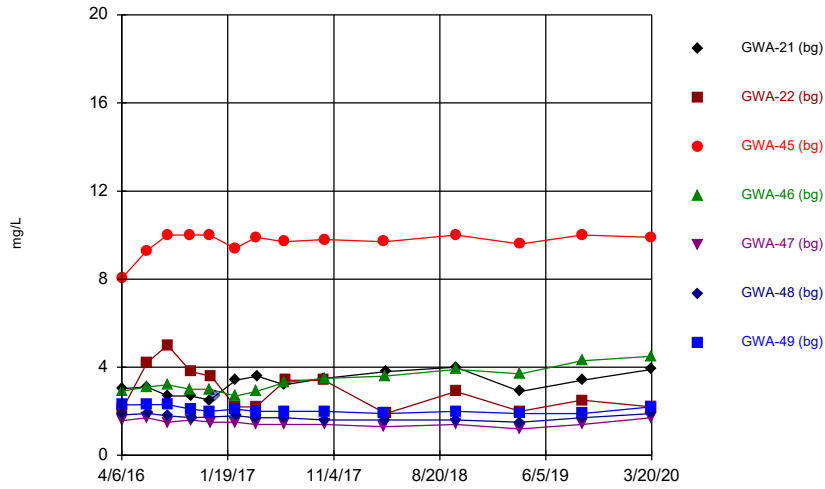
Constituent: Calcium, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



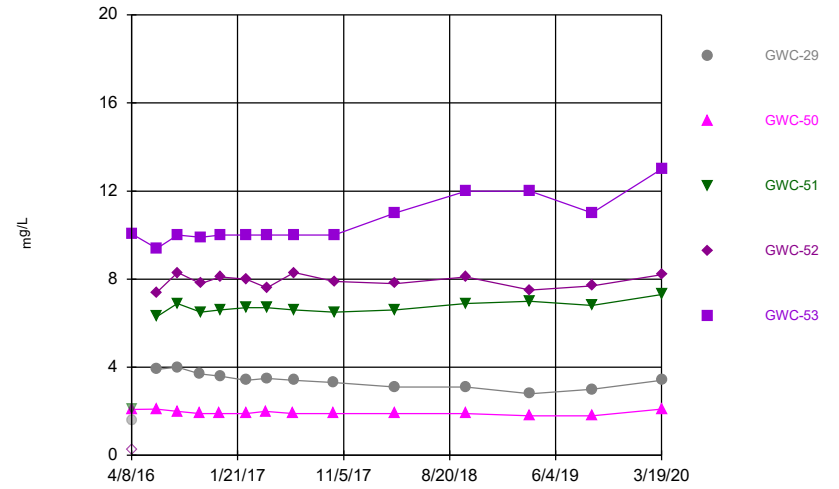
Constituent: Calcium, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



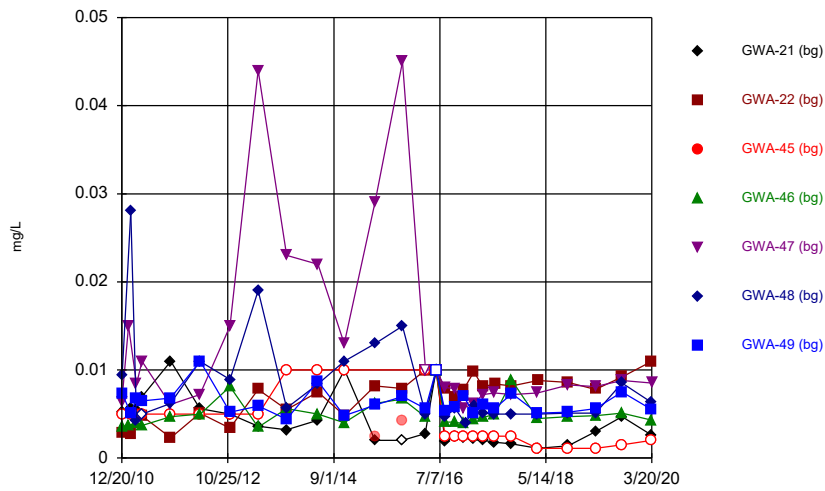
Constituent: Chloride, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



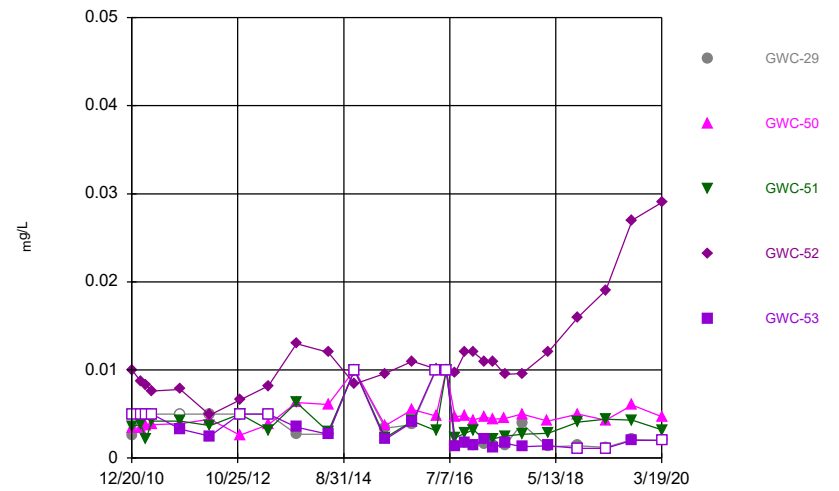
Constituent: Chloride, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



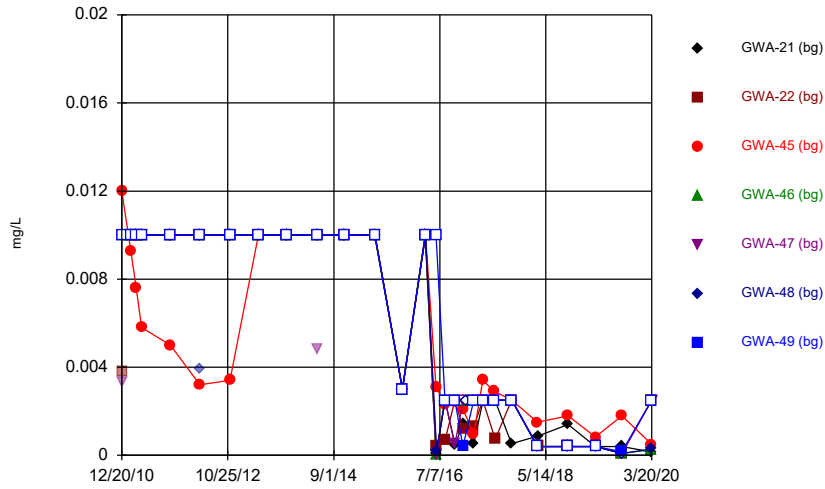
Constituent: Chromium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



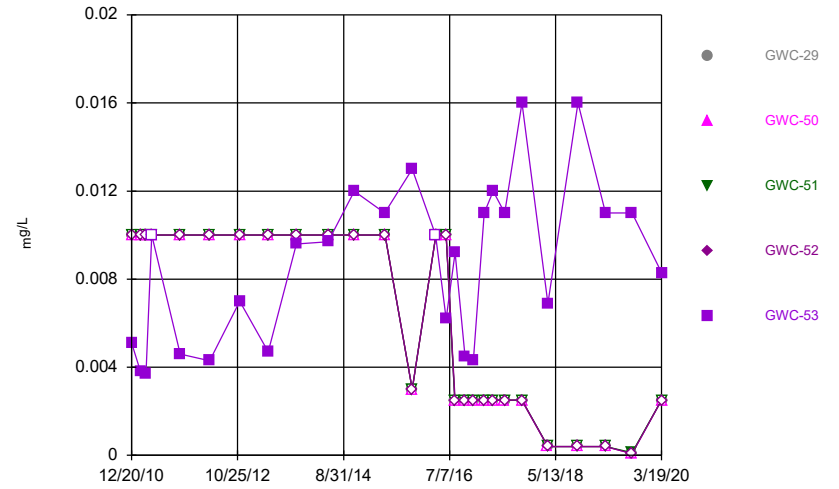
Constituent: Chromium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



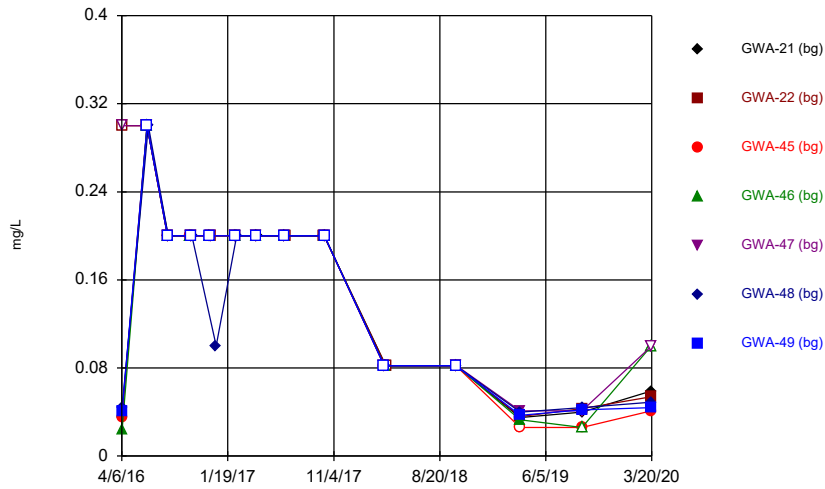
Constituent: Cobalt, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



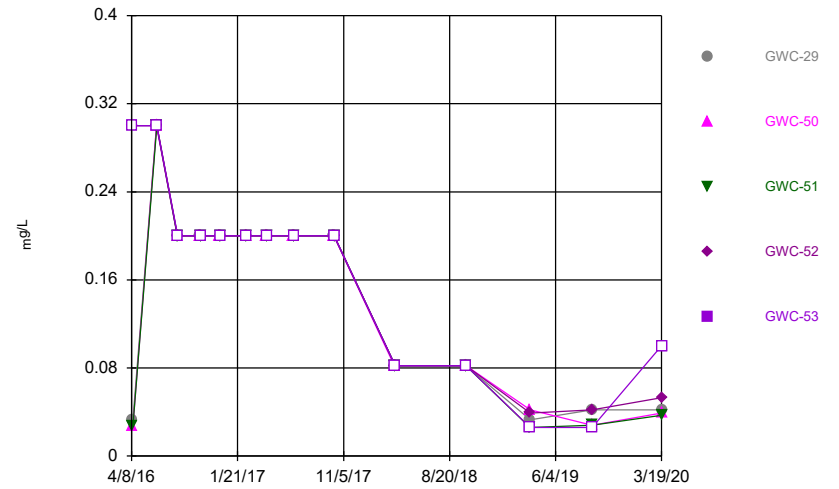
Constituent: Cobalt, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



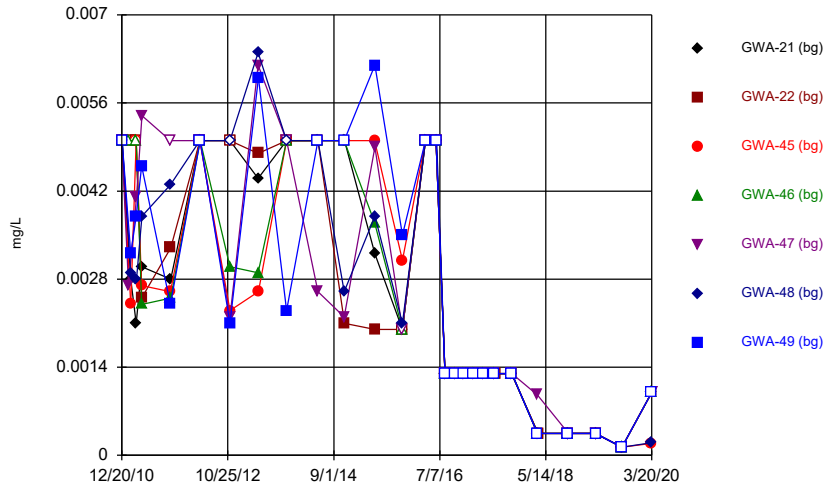
Constituent: Fluoride, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



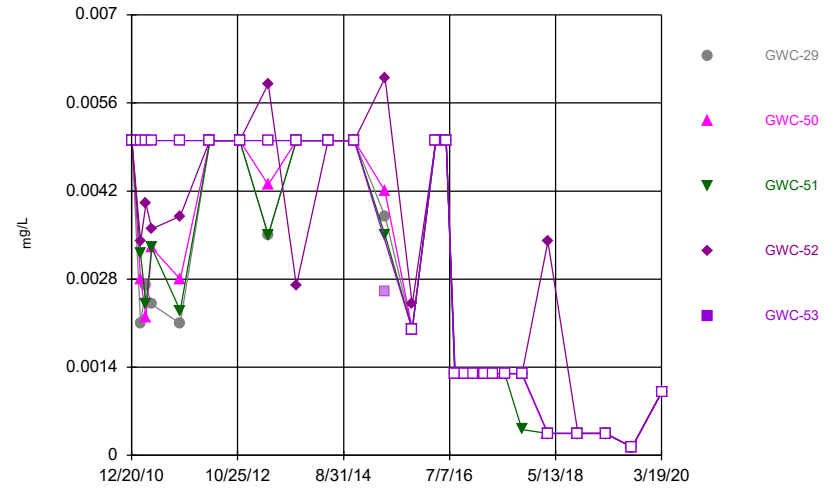
Constituent: Fluoride, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



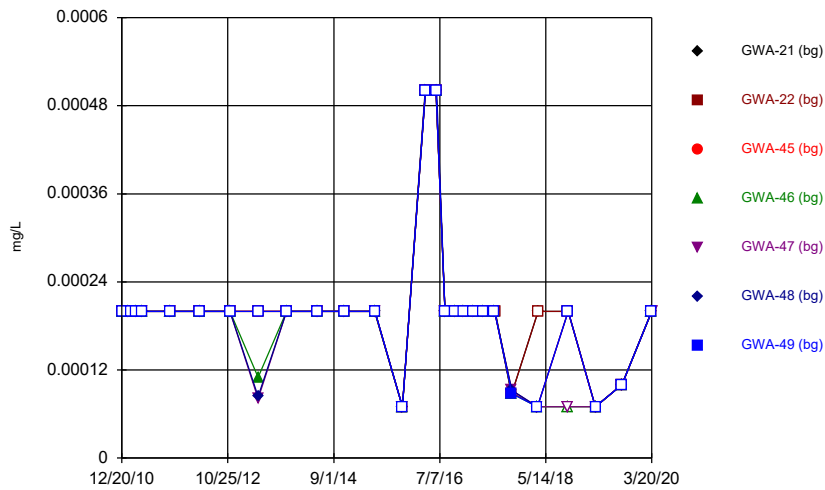
Constituent: Lead, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



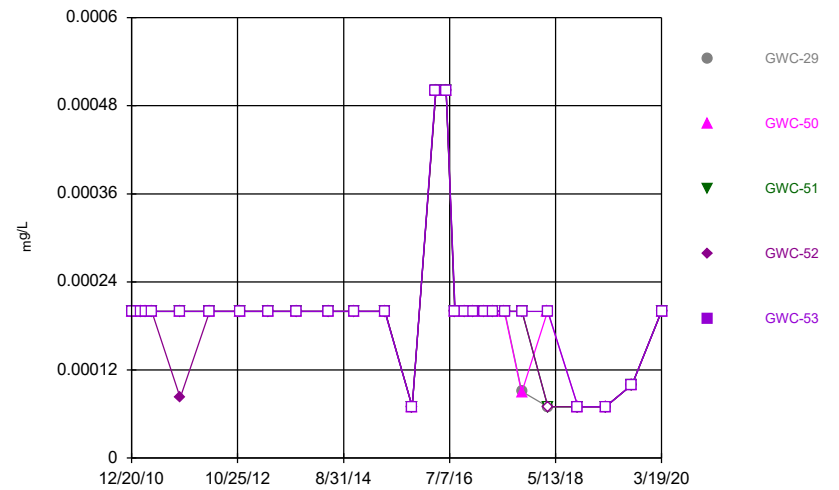
Constituent: Lead, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



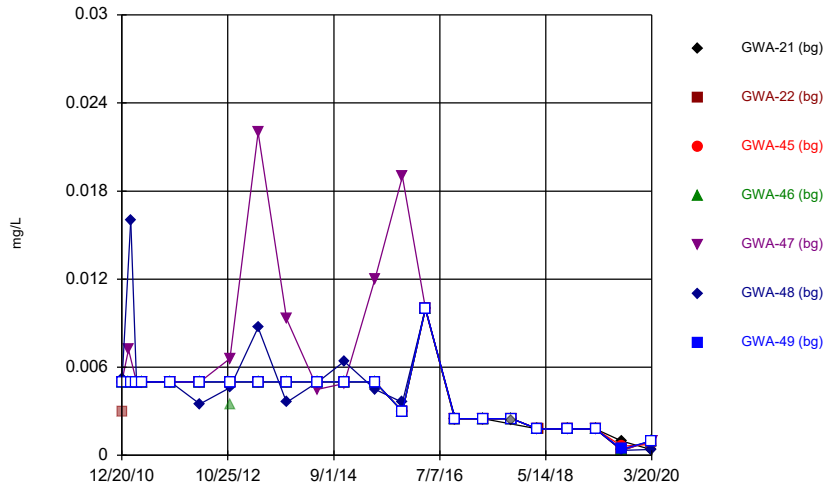
Constituent: Mercury, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



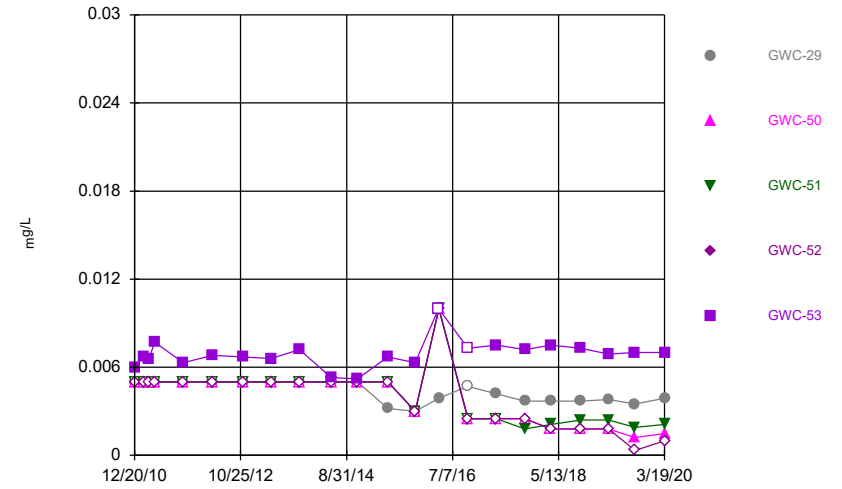
Constituent: Mercury, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



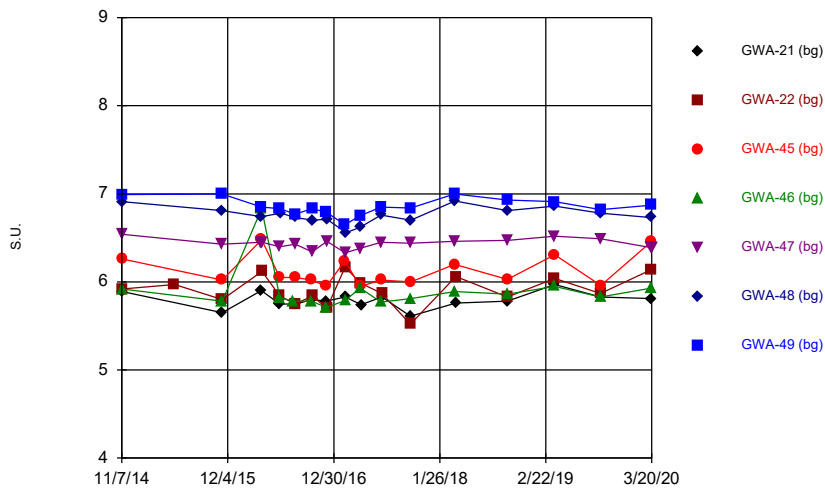
Constituent: Nickel, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



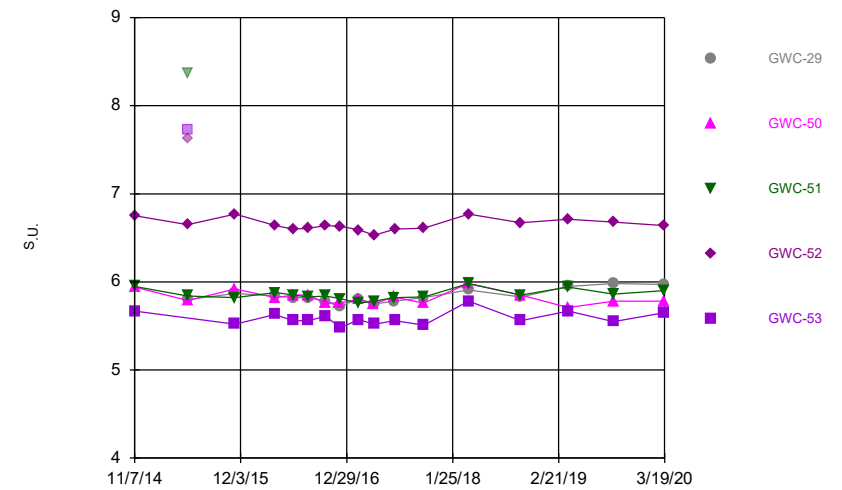
Constituent: Nickel, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



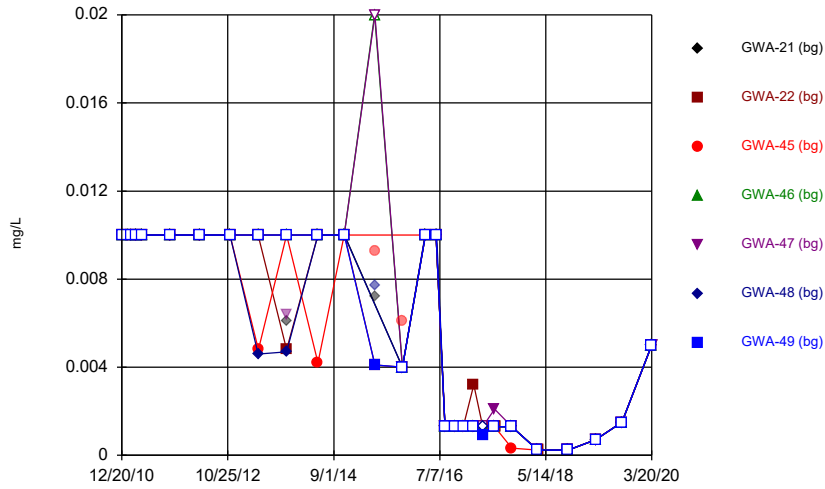
Constituent: pH Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



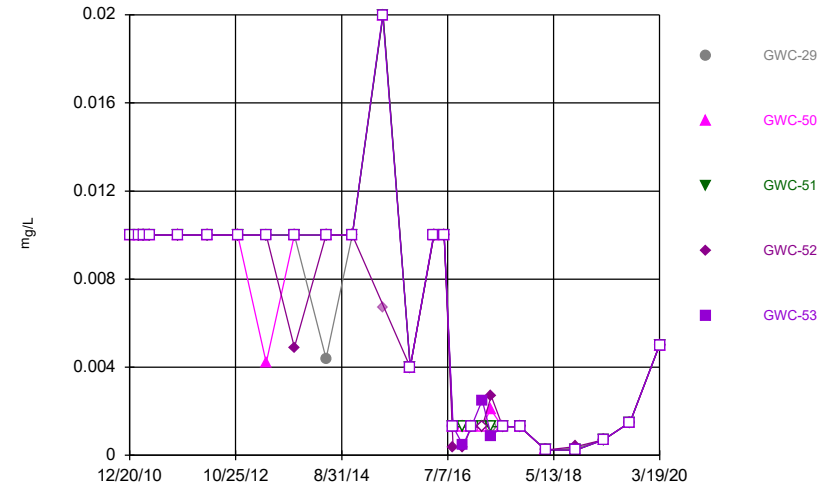
Constituent: pH Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



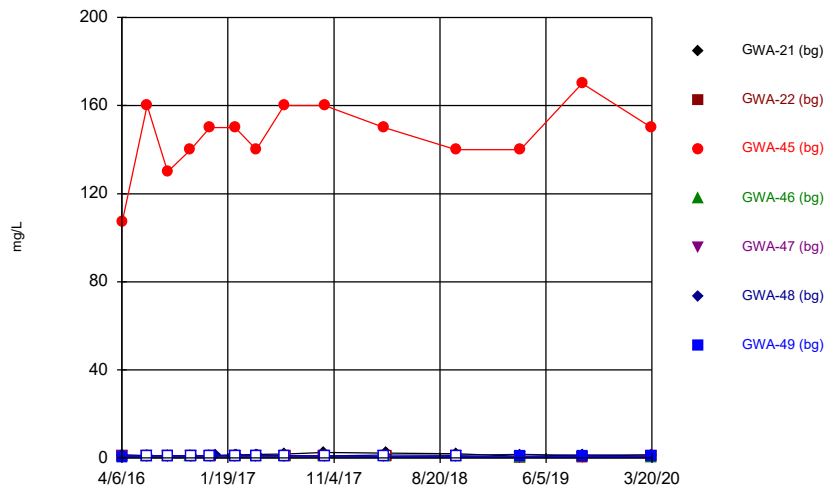
Constituent: Selenium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



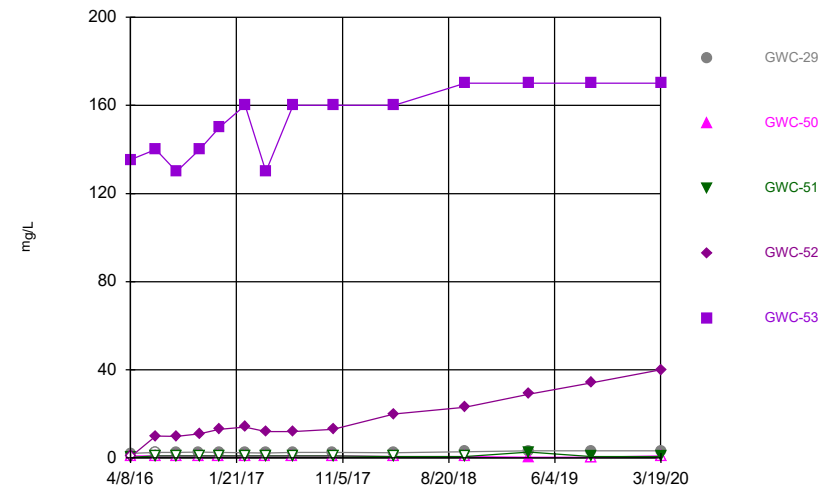
Constituent: Selenium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



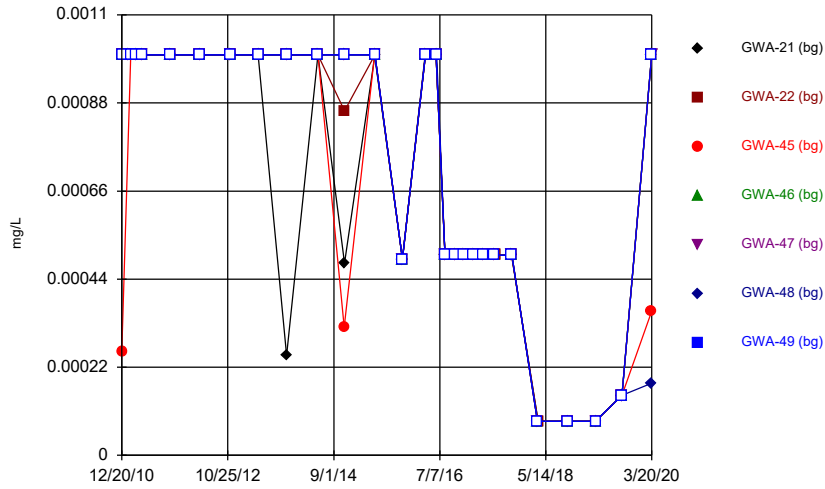
Constituent: Sulfate, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



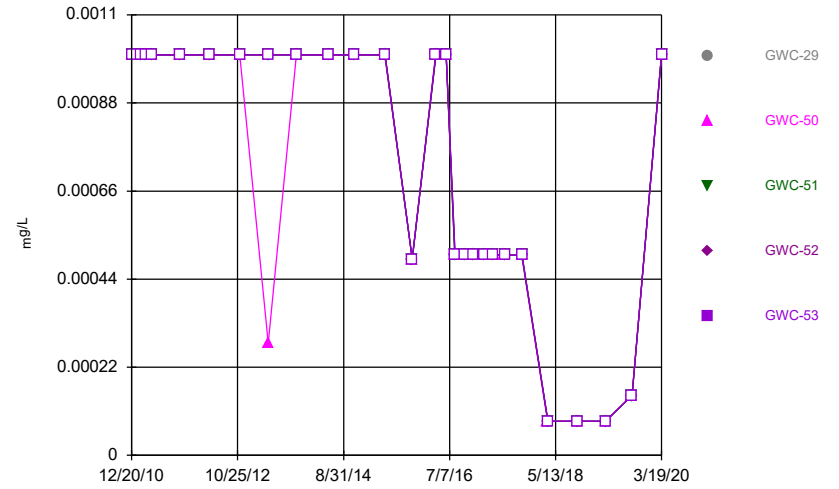
Constituent: Sulfate, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



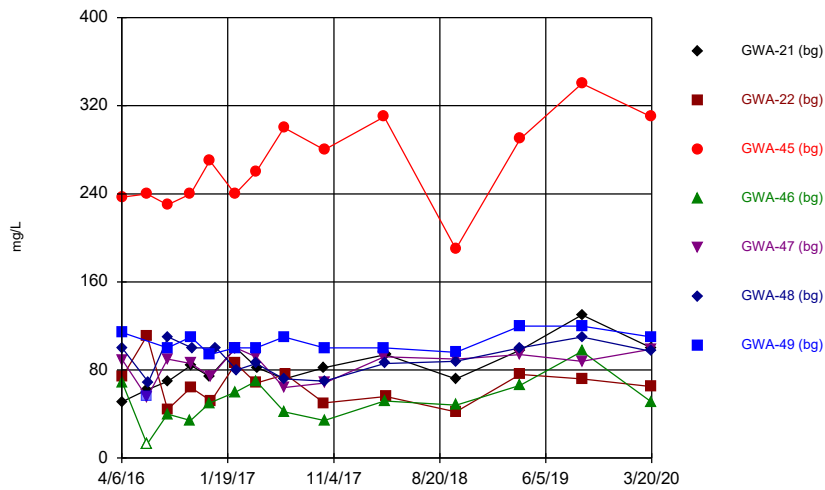
Constituent: Thallium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



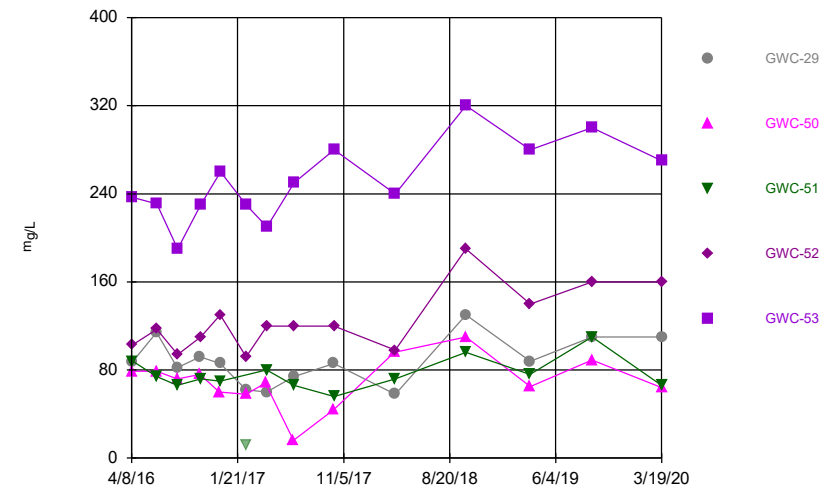
Constituent: Thallium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

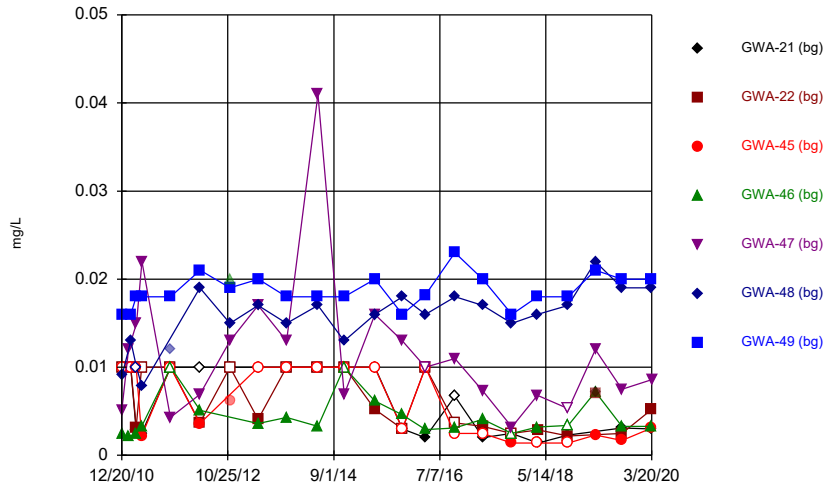
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

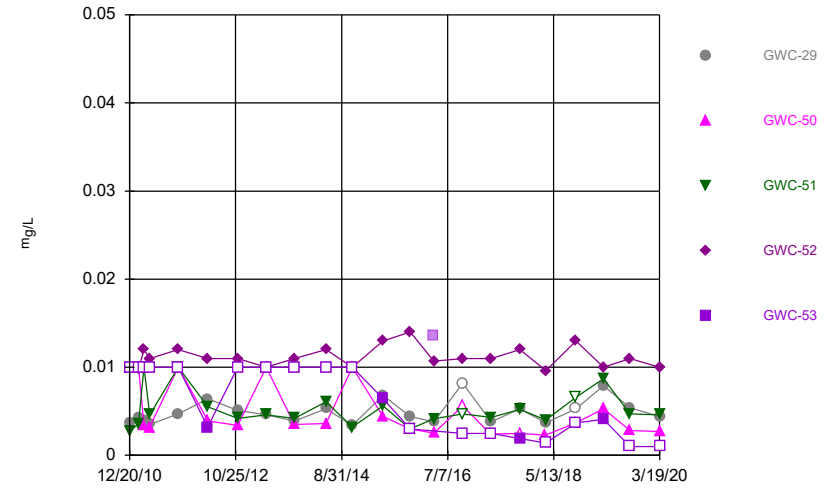


Time Series



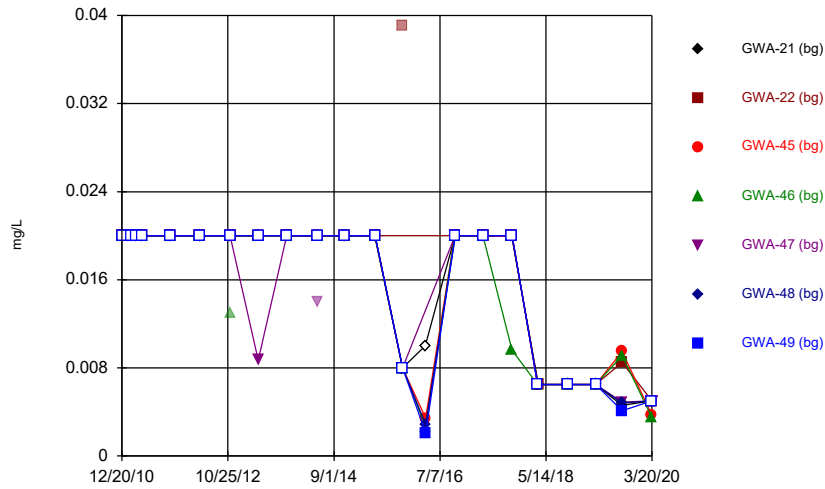
Constituent: Vanadium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



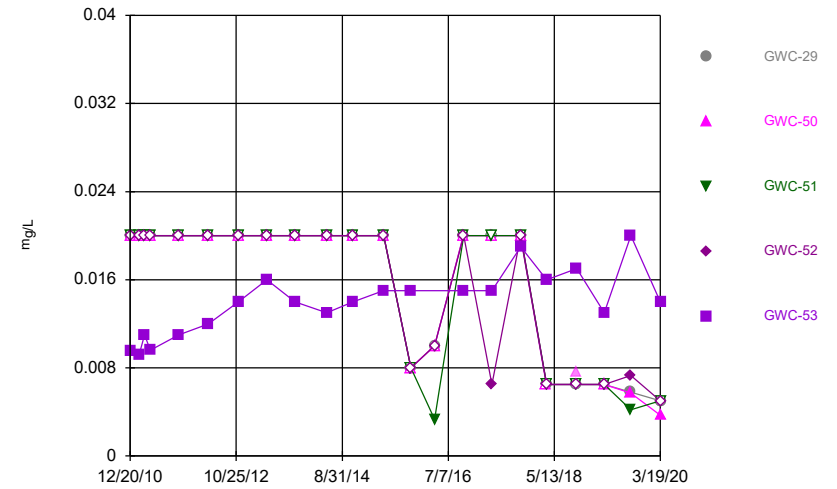
Constituent: Vanadium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.01	<0.01	<0.01		
12/21/2010						<0.01	<0.01
12/22/2010	<0.01	<0.01					
2/1/2011				<0.01	<0.01		
2/14/2011	<0.01	<0.01	<0.01			<0.01	<0.01
3/21/2011			<0.01	<0.01			<0.01
3/22/2011	<0.01	<0.01					
3/23/2011					<0.01	<0.01	
4/26/2011	<0.01	<0.01	<0.01	<0.01			<0.01
4/27/2011					<0.01	<0.01	
10/25/2011						<0.005	
10/26/2011			<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
11/8/2012	<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	<0.005	
5/8/2013			<0.005				<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005			
11/5/2013					<0.005	<0.005	<0.005
5/23/2014					<0.005	<0.005	<0.005
5/24/2014	<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	<0.005					
5/20/2015			<0.01	<0.01			
5/21/2015	<0.01	<0.01			<0.01	<0.01	<0.01
11/12/2015					<0.004	<0.004	<0.004
11/13/2015	<0.004	<0.004	<0.004	<0.004			
4/6/2016	<0.005						
4/7/2016			<0.005	<0.005		<0.005	<0.005
6/14/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
6/17/2016						<0.005	
8/9/2016		<0.0013	<0.0013	<0.0013	<0.0013		0.00053
8/10/2016	<0.0013					<0.0013	
10/10/2016			<0.0013	<0.0013			
10/11/2016	<0.0013	<0.0013			<0.0013		<0.0013
10/14/2016						<0.0013	
12/2/2016	<0.0013		<0.0013	<0.0013			<0.0013
12/5/2016		<0.0013			<0.0013		
12/19/2016						<0.0013	
2/9/2017			<0.0013				<0.0013
2/10/2017	<0.0013	<0.0013		<0.0013	<0.0013		
2/13/2017						<0.0013	
4/7/2017		<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
4/10/2017	<0.0013						
6/22/2017			<0.0013		<0.0013	<0.0013	<0.0013
6/23/2017	<0.0013			<0.0013			
6/26/2017		<0.0013					
10/9/2017	<0.0013	<0.0013					
10/10/2017			0.0015	<0.0013	<0.0013	<0.0013	<0.0013
3/22/2018			<0.00046 (D)		<0.00046		<0.00046
3/23/2018				<0.00046		<0.00046	

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/26/2018	<0.00046	<0.00046 (D)					
10/3/2018	<0.00046	<0.00046	<0.00046			<0.00046	<0.00046
10/4/2018				<0.00046			
10/5/2018					<0.00046		
3/27/2019	<0.00046	<0.00046	<0.00046	<0.00046	<0.00046	<0.00046	<0.00046
9/12/2019	<0.00032	<0.00032	<0.00032	<0.00032	<0.00032	<0.00032	<0.00032
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001
3/20/2020					<0.001		

# Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.01
12/21/2010				<0.01	
12/22/2010	<0.01	<0.01	<0.01		
2/14/2011					<0.01
2/15/2011	<0.01	<0.01	<0.01	<0.01	
3/21/2011				<0.01	<0.01
3/22/2011	<0.01	<0.01	<0.01		
4/27/2011	<0.01	<0.01	<0.01		<0.01
4/28/2011				<0.01	
10/26/2011	<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		
11/8/2012	<0.005	<0.005	<0.005		
11/9/2012				<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2014	<0.005		<0.005	<0.005	<0.005
11/8/2014		<0.005			
5/20/2015					<0.01
5/22/2015	<0.01	<0.01	<0.01	<0.01	
11/13/2015	<0.004	<0.004	<0.004	<0.004	<0.004
4/11/2016	<0.005	<0.005	<0.005	<0.005	
6/15/2016	<0.005	<0.005			
6/16/2016			<0.005	<0.005	<0.005
8/10/2016	<0.0013	<0.0013	<0.0013		
8/11/2016				<0.0013	<0.0013
10/11/2016	<0.0013	<0.0013			
10/13/2016			<0.0013	<0.0013	<0.0013
12/2/2016		<0.0013			
12/5/2016	<0.0013		<0.0013	<0.0013	
12/6/2016					<0.0013
2/13/2017	<0.0013	<0.0013	<0.0013	<0.0013	0.0011
4/7/2017		0.00052			
4/10/2017	<0.0013		<0.0013		
4/11/2017				<0.0013	<0.0013
6/22/2017		<0.0013			
6/23/2017	<0.0013		<0.0013		
6/24/2017				<0.0013	<0.0013
10/10/2017	0.0013	<0.0013			
10/11/2017			<0.0013	<0.0013	<0.0013
3/23/2018		<0.00046			
3/26/2018	<0.00046		<0.00046	<0.00046	<0.00046
10/4/2018	<0.00046	<0.00046	<0.00046	<0.00046	<0.00046
3/27/2019			<0.00046		
3/28/2019	<0.00046	<0.00046		<0.00046	<0.00046
9/12/2019	<0.00032	<0.00032	<0.00032	<0.00032	<0.00032
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
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)					
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)
3/21/2011			0.021 (J)	0.019 (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	0.019 (J)	0.031 (J)	0.019 (J)	0.02 (J)			0.021 (J)
4/27/2011					0.043 (J)	0.015 (J)	
10/25/2011						0.02	
10/26/2011			0.023		0.023		0.019
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
11/8/2012	0.023	0.024	0.034	0.048 (O)	0.038	0.012	0.018
5/7/2013	0.021	0.027		0.02	0.042	0.022	
5/8/2013			0.016				0.017
11/4/2013	0.018	0.024	0.014	0.019			
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			
11/7/2014			0.03	0.019	0.027	0.012	0.019
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	0.02
11/12/2015					0.038	0.012	0.019
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	0.0201
4/8/2016		0.0244			0.0261		
6/14/2016	0.021	0.023	0.034	0.019	0.023		0.017
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	
10/10/2016			0.037	0.02			
10/11/2016	0.02	0.022			0.03		0.02
10/14/2016						0.016	
12/2/2016	0.022		0.038	0.02			0.02
12/5/2016		0.025			0.026		
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	
4/7/2017		0.021	0.045	0.02	0.024	0.011	0.018
4/10/2017	0.025						
6/22/2017			0.049		0.025	0.014	0.02
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	0.02
3/22/2018			0.0495 (D)		0.024		0.018

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
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	0.018
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	0.019
9/12/2019	0.025	0.023	0.1	0.022	0.028	0.016	0.022
12/2/2019			0.11 (R)				
3/19/2020	0.027	0.024	0.11	0.023		0.02	0.02
3/20/2020					0.029		

# Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					0.11
12/21/2010				0.01 (J)	
12/22/2010	0.016 (J)	0.011 (J)	0.011 (J)		
2/14/2011					<0.1
2/15/2011	0.016 (J)	0.013 (J)	0.013 (J)	0.0086 (J)	
3/21/2011				0.009 (J)	<0.1
3/22/2011	0.014 (J)	0.01 (J)	0.01 (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	0.015	0.013	0.0099 (J)	0.0093 (J)	0.1
5/1/2012				0.0048 (J)	0.095
5/2/2012	0.012	0.0084 (J)	0.0085 (J)		
11/8/2012	0.015	0.012	<0.01		
11/9/2012				0.0091 (J)	0.093
5/8/2013	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
5/24/2014	0.015	0.012	0.0094 (J)	0.011	0.07
11/7/2014	0.016		0.0094 (J)	0.011	0.065
11/8/2014		0.01			
5/20/2015					0.058
5/22/2015	0.015	0.011	0.0092 (J)	0.011	
11/13/2015	0.016	0.011	0.0095 (J)	0.011	0.058
4/8/2016					0.0619
4/11/2016	0.0167	0.0132	0.0105	0.012	
6/15/2016	0.015	0.011			
6/16/2016			0.0089 (J)	0.011	0.052
8/10/2016	0.015	0.012	0.0082		
8/11/2016				0.012	0.044
10/11/2016	0.017	0.012			
10/13/2016			0.0088	0.012	0.049
12/2/2016		0.012			
12/5/2016	0.017		0.01	0.013	
12/6/2016					0.047
2/13/2017	0.016	0.013	0.0097	0.012	0.05
4/7/2017		0.01			
4/10/2017	0.015		0.0082		
4/11/2017				0.012	0.053
6/22/2017		0.012			
6/23/2017	0.017		0.01		
6/24/2017				0.013	0.054
10/10/2017	0.016	0.011			
10/11/2017			0.0092	0.012	0.05
3/23/2018		0.011			
3/26/2018	0.015		0.0094	0.013	0.05
10/4/2018	0.018	0.012	0.0093	0.013	0.042
3/27/2019			0.011		
3/28/2019	0.017	0.012		0.014	0.045
9/12/2019	0.019	0.013	0.011	0.017	0.043
3/19/2020	0.019	0.013	0.011	0.018	0.047

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.003	<0.003	<0.003		
12/21/2010						<0.003	<0.003
12/22/2010	<0.003	<0.003					
2/1/2011				<0.003	<0.003		
2/14/2011	<0.003	<0.003	<0.003			<0.003	<0.003
3/21/2011			<0.003	<0.003			<0.003
3/22/2011	<0.003	<0.003					
3/23/2011					<0.003	<0.003	
4/26/2011	<0.003	<0.003	<0.003	<0.003			<0.003
4/27/2011					<0.003	<0.003	
10/25/2011						<0.003	
10/26/2011			<0.003		<0.003		<0.003
10/27/2011	<0.003	<0.003		<0.003			
5/1/2012	<0.003	<0.003	<0.003		<0.003	<0.003	
5/2/2012				<0.003			<0.003
11/8/2012	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
5/7/2013	<0.003	<0.003		<0.003	<0.003	<0.003	
5/8/2013			<0.003				<0.003
11/4/2013	<0.003	<0.003	<0.003	<0.003			
11/5/2013					<0.003	<0.003	<0.003
5/23/2014					<0.003	<0.003	<0.003
5/24/2014	<0.003	<0.003	<0.003	<0.003			
11/7/2014			<0.003	<0.003	<0.003	<0.003	<0.003
11/8/2014	<0.003	<0.003					
5/20/2015			<0.003	<0.003			
5/21/2015	<0.003	<0.003			<0.003	<0.003	<0.003
11/12/2015					<0.001	<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001			
4/6/2016	<0.003						
4/7/2016			<0.003	<0.003		<0.003	<0.003
4/8/2016		<0.003			<0.003		
6/14/2016	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
6/17/2016						<0.003	
8/9/2016		<0.0025	<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		<0.0025
10/14/2016						<0.0025	
12/2/2016	<0.0025		<0.0025	<0.0025			<0.0025
12/5/2016		<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	
4/7/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025						
6/22/2017			<0.0025		<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	<0.0025
3/22/2018			<0.00034 (D)		<0.00034		<0.00034



# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<0.00034		<0.00034	
3/26/2018	<0.00034	<0.00034 (D)					
10/3/2018	<0.00034	<0.00034	<0.00034			<0.00034	<0.00034
10/4/2018				<0.00034			
10/5/2018					<0.00034		
3/27/2019	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
9/12/2019	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
3/20/2020					<0.0025		

# Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.003
12/21/2010				<0.003	
12/22/2010	<0.003	<0.003	<0.003		
2/14/2011					<0.003
2/15/2011	<0.003	<0.003	<0.003	<0.003	
3/21/2011				<0.003	<0.003
3/22/2011	<0.003	<0.003	<0.003		
4/27/2011	<0.003	<0.003	<0.003		<0.003
4/28/2011				<0.003	
10/26/2011	<0.003	<0.003	<0.003	<0.003	<0.003
5/1/2012				<0.003	<0.003
5/2/2012	<0.003	<0.003	<0.003		
11/8/2012	<0.003	<0.003	<0.003		
11/9/2012				<0.003	<0.003
5/8/2013	<0.003	<0.003	<0.003	<0.003	<0.003
11/4/2013	<0.003	<0.003	<0.003	<0.003	<0.003
5/24/2014	<0.003	<0.003	<0.003	<0.003	<0.003
11/7/2014	<0.003		<0.003	<0.003	<0.003
11/8/2014		<0.003			
5/20/2015					<0.003
5/22/2015	<0.003	<0.003	<0.003	<0.003	
11/13/2015	<0.001	<0.001	<0.001	<0.001	<0.001
4/8/2016					<0.003
4/11/2016	<0.003	<0.003	<0.003	<0.003	
6/15/2016	<0.003	<0.003			
6/16/2016			2E-05 (J)	<0.003	<0.003
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025			
10/13/2016			<0.0025	<0.0025	<0.0025
12/2/2016		<0.0025			
12/5/2016	<0.0025		<0.0025	<0.0025	
12/6/2016					<0.0025
2/13/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017		<0.0025			
4/10/2017	<0.0025		<0.0025		
4/11/2017				<0.0025	<0.0025
6/22/2017		<0.0025			
6/23/2017	<0.0025		<0.0025		
6/24/2017				<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025			
10/11/2017			<0.0025	<0.0025	<0.0025
3/23/2018		<0.00034			
3/26/2018	<0.00034		<0.00034	<0.00034	<0.00034
10/4/2018	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
3/27/2019			<0.00034		
3/28/2019	<0.00034	<0.00034		<0.00034	<0.00034
9/12/2019	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	<0.1						
4/7/2016			0.0657 (J)	<0.1		<0.1	<0.1
4/8/2016		<0.1			<0.1		
6/14/2016	0.0012 (J)	<0.1	0.12	<0.1	0.00079 (J)		<0.1
6/17/2016						<0.1	
8/9/2016		<0.05	0.22	<0.05	<0.05		<0.05
8/10/2016	<0.05					<0.05	
10/10/2016			0.52	<0.05			
10/11/2016	<0.05	<0.05			<0.05		<0.05
10/14/2016						<0.05	
12/2/2016	<0.05		0.65	<0.05			<0.05
12/5/2016		<0.05			<0.05		
12/19/2016						<0.05	
2/9/2017			0.57				<0.05
2/10/2017	<0.05	<0.05		<0.05	<0.05		
2/13/2017						<0.05	
4/7/2017		<0.05	0.5	<0.05	<0.05	<0.05	<0.05
4/10/2017	<0.05						
6/22/2017			0.48		<0.05	<0.05	<0.05
6/23/2017	<0.05			<0.05			
6/26/2017		<0.05					
10/9/2017	<0.05	<0.05					
10/10/2017			0.79	<0.05	<0.05	<0.05	<0.05
3/22/2018			0.66		<0.021		<0.021
3/23/2018				<0.021		<0.021	
3/26/2018	<0.021	<0.021 (D)					
10/3/2018	<0.021	<0.021	0.89			<0.021	<0.021
10/4/2018				<0.021			
10/5/2018					<0.021		
3/27/2019	<0.021	<0.021	0.74	<0.021	<0.021	<0.021	<0.021
9/12/2019	0.053	<0.039	0.91	<0.039	<0.039	<0.039	<0.039
3/19/2020	<0.08	<0.08	0.86	<0.08		<0.08	<0.08
3/20/2020					<0.08		

# Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					0.824
4/11/2016	<0.1	<0.1	<0.1	<0.1	
6/15/2016	0.0021 (J)	<0.1			
6/16/2016			<0.1	<0.1	0.8 (J)
8/10/2016	<0.05	<0.05	<0.05		
8/11/2016				<0.05	0.97
10/11/2016	<0.05	<0.05			
10/13/2016			<0.05	<0.05	0.94
12/2/2016		<0.05			
12/5/2016	<0.05		<0.05	<0.05	
12/6/2016					1
2/13/2017	<0.05	<0.05	<0.05	<0.05	0.97
4/7/2017		<0.05			
4/10/2017	<0.05		<0.05		
4/11/2017				<0.05	0.88
6/22/2017		<0.05			
6/23/2017	<0.05		<0.05		
6/24/2017				<0.05	0.87
10/10/2017	<0.05	<0.05			
10/11/2017			<0.05	<0.05	1.1
3/23/2018		<0.021			
3/26/2018	<0.021		<0.021	<0.021	0.91
10/4/2018	<0.021	<0.021	<0.021	<0.021	0.92
3/27/2019			<0.021		
3/28/2019	<0.021	<0.021		<0.021	0.97
9/12/2019	<0.039	<0.039	<0.039	<0.039	0.94
3/19/2020	<0.08	<0.08	<0.08	<0.08	1

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.005	<0.005	<0.005		
12/21/2010						<0.005	<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	<0.005
3/21/2011			<0.005	<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			<0.005
4/27/2011					<0.005	<0.005	
10/25/2011						<0.005	
10/26/2011			<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
11/8/2012	<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	<0.005	
5/8/2013			<0.005				<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005			
11/5/2013					<0.005	<0.005	<0.005
5/23/2014					<0.005	<0.005	<0.005
5/24/2014	<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	<0.005					
5/20/2015			<0.005	<0.005			
5/21/2015	<0.005	<0.005			<0.005	<0.005	<0.005
11/12/2015					<0.001	<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	<0.001
4/8/2016		<0.001			<0.001		
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
6/17/2016						<0.001	
8/9/2016		<0.0025	<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		<0.0025
10/14/2016						<0.0025	
12/2/2016	<0.0025		<0.0025	<0.0025			<0.0025
12/5/2016		<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	
4/7/2017		<0.0025	<0.0025	<0.0025	0.0016	<0.0025	<0.0025
4/10/2017	<0.0025						
6/22/2017			<0.0025		<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	<0.0025
3/22/2018			<0.00034 (D)		<0.00034		<0.00034

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<0.00034		<0.00034	
3/26/2018	<0.00034	<0.00034 (D)					
10/3/2018	<0.00034	<0.00034	<0.00034			<0.00034	<0.00034
10/4/2018				<0.00034			
10/5/2018					<0.00034		
3/27/2019	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
9/12/2019	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
3/20/2020					<0.0025		

# Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.005
12/21/2010				<0.005	
12/22/2010	<0.005	<0.005	<0.005		
2/14/2011					<0.005
2/15/2011	<0.005	<0.005	<0.005	<0.005	
3/21/2011				<0.005	<0.005
3/22/2011	<0.005	<0.005	<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
5/1/2012				<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005		
11/9/2012				<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2014	<0.005		<0.005	<0.005	<0.005
11/8/2014		<0.005			
5/20/2015					<0.005
5/22/2015	<0.005	<0.005	<0.005	<0.005	
11/13/2015	<0.001	<0.001	<0.001	<0.001	<0.001
4/8/2016					<0.001
4/11/2016	<0.001	<0.001	<0.001	<0.001	
6/15/2016	<0.001	7.4E-05 (J)			
6/16/2016			<0.001	<0.001	<0.001
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025			
10/13/2016			<0.0025	<0.0025	<0.0025
12/2/2016		<0.0025			
12/5/2016	<0.0025		<0.0025	<0.0025	
12/6/2016					<0.0025
2/13/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017		<0.0025			
4/10/2017	<0.0025		<0.0025		
4/11/2017				<0.0025	<0.0025
6/22/2017		<0.0025			
6/23/2017	<0.0025		<0.0025		
6/24/2017				<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025			
10/11/2017			<0.0025	<0.0025	<0.0025
3/23/2018		<0.00034			
3/26/2018	<0.00034		<0.00034	<0.00034	<0.00034
10/4/2018	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
3/27/2019			<0.00034		
3/28/2019	<0.00034	<0.00034		<0.00034	<0.00034
9/12/2019	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	9.27						
4/7/2016			38.4	6.57		12.6	15.3
4/8/2016		8.6			10.7		
6/14/2016	8.2	6.8	32.9	5.5	11.3		14.2
6/17/2016						12.4	
8/9/2016		6.2	29	4.6	9.6		13
8/10/2016	6.9					11	
10/10/2016			33	5.3			
10/11/2016	7.6	6.2			11		14
10/14/2016						13	
12/2/2016	7.4		33	5.1			13
12/5/2016		5.5			10		
12/19/2016						11	
2/9/2017			42				14
2/10/2017	11	7.8		5.8	11		
2/13/2017						13	
4/7/2017		7.3	35	5.2	10	12	14
4/10/2017	9.7						
6/22/2017			38		11	13	14
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	15
3/22/2018			39 (D)		11		14
3/23/2018				6.6		13	
3/26/2018	9.3	8.7					
10/3/2018	7.8	6.1	41			12	14
10/4/2018				5.4			
10/5/2018					11		
3/27/2019	9.5	7.1	39	6.1	11	13	15
9/12/2019	8.8	6.1	36	5.7	12	13	14
3/19/2020	11	9.7	45	6.7		14	15
3/20/2020					12		



# Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					17.5
4/11/2016	9.7	7.04	6.9	12.8	
6/15/2016	9.5	7.4			
6/16/2016			7.6	14.3	18.4
8/10/2016	8.5	6.7	5.7		
8/11/2016				11	13
10/11/2016	9.3	6.9			
10/13/2016			6.7	13	15
12/2/2016		6.5			
12/5/2016	9		6.4	12	
12/6/2016					15
2/13/2017	9.2	7.9	6.2	13	16
4/7/2017		6.5			
4/10/2017	9.2		6.2		
4/11/2017				13	17
6/22/2017		6.8			
6/23/2017	9.8		6.6		
6/24/2017				13	17
10/10/2017	10	7.3			
10/11/2017			6.9	15	19
3/23/2018		7.5			
3/26/2018	11		7	15	19
10/4/2018	10	6.7	6.4	14	17
3/27/2019			7		
3/28/2019	11	7.2		15	18
9/12/2019	12	7.5	7.1	17	18
3/19/2020	16	7.9	7.1	19	19

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	3.034						
4/7/2016			8.05	2.914		1.842	2.285
4/8/2016		2.1			1.57		
6/14/2016	3.1	4.2	9.3	3.1	1.7		2.3
6/17/2016						1.9	
8/9/2016		5	10	3.2	1.5		2.3
8/10/2016	2.7					1.8	
10/10/2016			10	3			
10/11/2016	2.7	3.8			1.6		2.1
10/14/2016						1.7	
12/2/2016	2.5		10	3			2
12/5/2016		3.6			1.5		
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	
4/7/2017		2.2	9.9	2.9	1.4	1.7	2
4/10/2017	3.6						
6/22/2017			9.7		1.4	1.7	2
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	2
3/22/2018			9.7 (D)		1.3		1.9
3/23/2018				3.6		1.6	
3/26/2018	3.8	1.9 (D)					
10/3/2018	4	2.9	10			1.6	2
10/4/2018				3.9			
10/5/2018					1.4		
3/27/2019	2.9	2	9.6	3.7	1.2	1.5	1.9
9/12/2019	3.4	2.5	10	4.3	1.4	1.7	1.9
3/19/2020	3.9	2.2	9.9	4.5		1.9	2.2
3/20/2020					1.7		

# Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					10.065
4/11/2016	1.57 (O)	2.09	2.09 (O)	<0.25 (O)	
6/15/2016	3.9	2.1			
6/16/2016			6.3	7.4	9.4
8/10/2016	4	2	6.9		
8/11/2016				8.3	10
10/11/2016	3.7	1.9			
10/13/2016			6.5	7.8	9.9
12/2/2016		1.9			
12/5/2016	3.6		6.6	8.1	
12/6/2016					10
2/13/2017	3.4	1.9	6.7	8	10
4/7/2017		2			
4/10/2017	3.5		6.7		
4/11/2017				7.6	10
6/22/2017		1.9			
6/23/2017	3.4		6.6		
6/24/2017				8.3	10
10/10/2017	3.3	1.9			
10/11/2017			6.5	7.9	10
3/23/2018		1.9			
3/26/2018	3.1		6.6	7.8	11
10/4/2018	3.1	1.9	6.9	8.1	12
3/27/2019			7		
3/28/2019	2.8	1.8		7.5	12
9/12/2019	3	1.8	6.8	7.7	11
3/19/2020	3.4	2.1	7.3	8.2	13

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.005	0.0036 (J)	0.0064		
12/21/2010						0.0094	0.0073
12/22/2010	0.0052	0.0029 (J)					
2/1/2011				0.0037 (J)	0.015		
2/14/2011	0.0057	0.0027 (J)	<0.005			0.028	0.0051
3/21/2011			<0.005	0.004 (J)			0.0067
3/22/2011	0.0055	0.0049 (J)					
3/23/2011					0.0084	0.0042 (J)	
4/26/2011	0.0069	0.0048 (J)	<0.005	0.0037 (J)			0.0065
4/27/2011					0.011	<0.005	
10/25/2011						0.0062	
10/26/2011			<0.005		0.0061		0.0068
10/27/2011	0.011	0.0023 (J)		0.0047 (J)			
5/1/2012	0.0056	0.0051	<0.005		0.0072	0.011	
5/2/2012				0.005 (J)			0.011
11/8/2012	<0.005	0.0034 (J)	<0.005	0.0081	0.015	0.0089	0.0052
5/7/2013	0.0036 (J)	0.0078		0.0035 (J)	0.044	0.019	
5/8/2013			<0.005				0.0059
11/4/2013	0.0032 (J)	0.0055 (J)	<0.01	0.0056 (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)	<0.01	0.005 (J)			
11/7/2014			<0.01	0.004 (J)	0.013	0.011	0.0048 (J)
11/8/2014	<0.01	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	0.006 (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)			
4/6/2016	0.00278 (J)						
4/7/2016			<0.01	0.00467 (J)		0.00498 (J)	0.0056 (J)
4/8/2016		<0.01			<0.01		
6/14/2016	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
6/17/2016						<0.01	
8/9/2016		0.0079	<0.0025	0.0041	0.008		0.0053
8/10/2016	0.0019 (J)					0.0047	
10/10/2016			<0.0025	0.0041			
10/11/2016	0.0024 (J)	0.0069			0.0079		0.0058
10/14/2016						0.0056	
12/2/2016	0.0023 (J)		<0.0025	0.0039			0.0071
12/5/2016		0.0077			0.0057		
12/19/2016						0.0039	
2/9/2017			<0.0025				0.0051
2/10/2017	0.0021 (J)	0.0098		0.0044	0.0062		
2/13/2017						0.0059	
4/7/2017		0.0081	<0.0025	0.0046	0.0072	0.0051	0.006
4/10/2017	0.002 (J)						
6/22/2017			<0.0025		0.0074	0.005	0.0056
6/23/2017	0.0018 (J)			0.005			
6/26/2017		0.0084					
10/9/2017	0.0016 (J)	0.0082					
10/10/2017			<0.0025	0.0088	0.0072	0.005	0.0073
3/22/2018			<0.0011 (D)		0.0074		0.0051

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				0.0045		0.005	
3/26/2018	0.0011 (J)	0.0088					
10/3/2018	0.0014 (J)	0.0086	<0.0011			0.0051	0.0052
10/4/2018				0.0047			
10/5/2018					0.0083		
3/27/2019	0.003	0.0078	<0.0011	0.0048	0.0081	0.0051	0.0056
9/12/2019	0.0047	0.0092	<0.0015	0.0051	0.0088	0.0085	0.0075
3/19/2020	0.0026	0.011	<0.002	0.0043		0.0063	0.0055
3/20/2020					0.0085		

# Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.005
12/21/2010				0.01	
12/22/2010	0.0026 (J)	0.0034 (J)	0.0036 (J)		
2/14/2011					<0.005
2/15/2011	<0.005	0.0034 (J)	0.0038 (J)	0.0087	
3/21/2011				0.0083	<0.005
3/22/2011	<0.005	0.0037 (J)	0.0022 (J)		
4/27/2011	<0.005	0.0038 (J)	0.0042 (J)		<0.005
4/28/2011				0.0076	
10/26/2011	<0.005	0.0039 (J)	0.0042 (J)	0.0078	0.0033 (J)
5/1/2012				0.0049 (J)	0.0025 (J)
5/2/2012	<0.005	0.0044 (J)	0.0037 (J)		
11/8/2012	<0.005	0.0026 (J)	<0.005		
11/9/2012				0.0066	<0.005
5/8/2013	<0.005	0.0038 (J)	0.0032 (J)	0.0082	<0.005
11/4/2013	0.0027 (J)	0.0063 (J)	0.0063 (J)	0.013	0.0035 (J)
5/24/2014	0.0027 (J)	0.0061 (J)	0.003 (J)	0.012	0.0027 (J)
11/7/2014	<0.01		<0.01	0.0084 (J)	<0.01
11/8/2014		<0.01			
5/20/2015					0.0021 (J)
5/22/2015	0.0034 (J)	0.0037 (J)	0.0023 (J)	0.0096 (J)	
11/13/2015	0.0038 (J)	0.0055 (J)	0.0042 (J)	0.011	0.0041 (J)
4/8/2016					<0.01
4/11/2016	<0.01	0.00479 (J)	0.00309 (J)	0.0101	
6/15/2016	<0.01	<0.01			
6/16/2016			<0.01	<0.01	<0.01
8/10/2016	0.0014 (J)	0.0047	0.0023 (J)		
8/11/2016				0.0097	0.0013 (J)
10/11/2016	0.0017 (J)	0.0048			
10/13/2016			0.0028	0.012	0.0018 (J)
12/2/2016		0.0043			
12/5/2016	0.0014 (J)		0.0032	0.012	
12/6/2016					0.0014 (J)
2/13/2017	0.0016 (J)	0.0047	0.0021 (J)	0.011	0.0021 (J)
4/7/2017		0.0044			
4/10/2017	0.0014 (J)		0.0022 (J)		
4/11/2017				0.011	0.0012 (J)
6/22/2017		0.0045			
6/23/2017	0.0014 (J)		0.0025		
6/24/2017				0.0095	0.0017 (J)
10/10/2017	0.0039	0.005			
10/11/2017			0.0027	0.0096	0.0013 (J)
3/23/2018		0.0042			
3/26/2018	0.0013 (J)		0.0028	0.012	0.0014 (J)
10/4/2018	0.0014 (J)	0.005	0.0041	0.016	<0.0011
3/27/2019			0.0044		
3/28/2019	0.0012 (J)	0.0043		0.019	<0.0011
9/12/2019	0.0021 (J)	0.006	0.0043	0.027	0.002 (J)
3/19/2020	<0.002	0.0047	0.0032	0.029	<0.002

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			0.012	<0.01	0.0033 (O)		
12/21/2010						<0.01	<0.01
12/22/2010	<0.01	0.0038 (O)					
2/1/2011				<0.01	<0.01		
2/14/2011	<0.01	<0.01	0.0093 (J)			<0.01	<0.01
3/21/2011			0.0076 (J)	<0.01			<0.01
3/22/2011	<0.01	<0.01					
3/23/2011					<0.01	<0.01	
4/26/2011	<0.01	<0.01	0.0058 (J)	<0.01			<0.01
4/27/2011					<0.01	<0.01	
10/25/2011						<0.01	
10/26/2011			0.005 (J)		<0.01		<0.01
10/27/2011	<0.01	<0.01		<0.01			
5/1/2012	<0.01	<0.01	0.0032 (J)		<0.01	0.0039 (O)	
5/2/2012				<0.01			<0.01
11/8/2012	<0.01	<0.01	0.0034 (J)	<0.01	<0.01	<0.01	<0.01
5/7/2013	<0.01	<0.01		<0.01	<0.01	<0.01	
5/8/2013			<0.01				<0.01
11/4/2013	<0.01	<0.01	<0.01	<0.01			
11/5/2013					<0.01	<0.01	<0.01
5/23/2014					0.0048 (O)	<0.01	<0.01
5/24/2014	<0.01	<0.01	<0.01	<0.01			
11/7/2014			<0.01	<0.01	<0.01	<0.01	<0.01
11/8/2014	<0.01	<0.01					
5/20/2015			<0.01	<0.01			
5/21/2015	<0.01	<0.01			<0.01	<0.01	<0.01
11/12/2015					<0.003	<0.003	<0.003
11/13/2015	<0.003	<0.003	<0.003	<0.003			
4/6/2016	<0.01						
4/7/2016			<0.01	<0.01		<0.01	<0.01
4/8/2016		<0.01			<0.01		
6/14/2016	6.6E-05 (J)	0.00042 (J)	0.0031 (J)	3.8E-05 (J)	4.2E-05 (J)		<0.01
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	
10/10/2016			0.0024 (J)	<0.0025			
10/11/2016	0.00047 (J)	<0.0025			0.00052 (J)		<0.0025
10/14/2016						<0.0025	
12/2/2016	0.0014 (J)		0.0021 (J)	<0.0025			0.0004 (J)
12/5/2016		0.0012 (J)			<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	
4/7/2017		<0.0025	0.0034	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025						
6/22/2017			0.0029		<0.0025	<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	<0.0025
3/22/2018			0.0015 (JD)		<0.0004		<0.0004

# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<0.0004		<0.0004	
3/26/2018	0.00088 (J)	<0.0004 (D)					
10/3/2018	0.0014 (J)	<0.0004	0.0018 (J)			<0.0004	<0.0004
10/4/2018				<0.0004			
10/5/2018					<0.0004		
3/27/2019	<0.0004	<0.0004	0.00083 (J)	<0.0004	<0.0004	<0.0004	<0.0004
9/12/2019	0.0004 (J)	<7.5E-05	0.0018 (J)	9.5E-05 (J)	0.00011 (J)	<7.5E-05	0.00017 (J)
3/19/2020	0.00015 (J)	<0.0025	0.0005 (J)	0.00025 (J)		0.00029 (J)	<0.0025
3/20/2020					<0.0025		



# Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					0.0051 (J)
12/21/2010				<0.01	
12/22/2010	<0.01	<0.01	<0.01		
2/14/2011					0.0038 (J)
2/15/2011	<0.01	<0.01	<0.01	<0.01	
3/21/2011				<0.01	0.0037 (J)
3/22/2011	<0.01	<0.01	<0.01		
4/27/2011	<0.01	<0.01	<0.01		<0.01
4/28/2011				<0.01	
10/26/2011	<0.01	<0.01	<0.01	<0.01	0.0046 (J)
5/1/2012				<0.01	0.0043 (J)
5/2/2012	<0.01	<0.01	<0.01		
11/8/2012	<0.01	<0.01	<0.01		
11/9/2012				<0.01	0.007 (J)
5/8/2013	<0.01	<0.01	<0.01	<0.01	0.0047 (J)
11/4/2013	<0.01	<0.01	<0.01	<0.01	0.0096 (J)
5/24/2014	<0.01	<0.01	<0.01	<0.01	0.0097 (J)
11/7/2014	<0.01		<0.01	<0.01	0.012
11/8/2014		<0.01			
5/20/2015					0.011
5/22/2015	<0.01	<0.01	<0.01	<0.01	
11/13/2015	<0.003	<0.003	<0.003	<0.003	0.013
4/8/2016					<0.01
4/11/2016	<0.01	<0.01	<0.01	<0.01	
6/15/2016	<0.01	<0.01			
6/16/2016			<0.01	<0.01	0.0062 (J)
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	0.0092
10/11/2016	<0.0025	<0.0025			
10/13/2016			<0.0025	<0.0025	0.0045
12/2/2016		<0.0025			
12/5/2016	<0.0025		<0.0025	<0.0025	
12/6/2016					0.0043
2/13/2017	<0.0025	<0.0025	<0.0025	<0.0025	0.011
4/7/2017		<0.0025			
4/10/2017	<0.0025		<0.0025		
4/11/2017				<0.0025	0.012
6/22/2017		<0.0025			
6/23/2017	<0.0025		<0.0025		
6/24/2017				<0.0025	0.011
10/10/2017	<0.0025	<0.0025			
10/11/2017			<0.0025	<0.0025	0.016
3/23/2018		<0.0004			
3/26/2018	<0.0004		<0.0004	<0.0004	0.0069
10/4/2018	<0.0004	<0.0004	<0.0004	<0.0004	0.016
3/27/2019			<0.0004		
3/28/2019	<0.0004	<0.0004		<0.0004	0.011
9/12/2019	<7.5E-05	<7.5E-05	0.00012 (J)	<7.5E-05	0.011
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	0.0083

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	0.035 (J)						
4/7/2016			0.035 (J)	0.024 (J)		0.044 (J)	0.041 (J)
4/8/2016		<0.3			<0.3		
6/14/2016	<0.3	<0.3	<0.3	<0.3	<0.3		<0.3
6/17/2016						<0.3	
8/9/2016		<0.2	<0.2	<0.2	<0.2		<0.2
8/10/2016	<0.2					<0.2	
10/10/2016			<0.2	<0.2			
10/11/2016	<0.2	<0.2			<0.2		<0.2
10/14/2016						<0.2	
12/2/2016	<0.2		<0.2	<0.2			<0.2
12/5/2016		<0.2			<0.2		
12/19/2016						0.1 (J)	
2/9/2017			<0.2				<0.2
2/10/2017	<0.2	<0.2		<0.2	<0.2		
2/13/2017						<0.2	
4/7/2017		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
4/10/2017	<0.2						
6/22/2017			<0.2		<0.2	<0.2	<0.2
6/23/2017	<0.2			<0.2			
6/26/2017		<0.2					
10/9/2017	<0.2	<0.2					
10/10/2017			<0.2	<0.2	<0.2	<0.2	<0.2
3/22/2018			<0.082 (D)		<0.082		<0.082
3/23/2018				<0.082		<0.082	
3/26/2018	<0.082	<0.082 (D)					
10/3/2018	<0.082	<0.082	<0.082			<0.082	<0.082
10/4/2018				<0.082			
10/5/2018					<0.082		
3/27/2019	0.035 (J)	0.036 (J)	<0.026	0.033 (J)	0.041 (J)	0.04 (J)	0.037 (J)
9/12/2019	0.04 (J)	0.043 (J)	0.026 (J)	<0.026	0.041 (J)	0.044 (J)	0.042 (J)
3/19/2020	0.059 (J)	0.054 (J)	0.041 (J)	<0.1		0.049 (J)	0.044 (J)
3/20/2020					<0.1		

# Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					<0.3
4/11/2016	0.033 (J)	0.027 (J)	0.027 (J)	<0.3	
6/15/2016	<0.3	<0.3			
6/16/2016			<0.3	<0.3	<0.3
8/10/2016	<0.2	<0.2	<0.2		
8/11/2016				<0.2	<0.2
10/11/2016	<0.2	<0.2			
10/13/2016			<0.2	<0.2	<0.2
12/2/2016		<0.2			
12/5/2016	<0.2		<0.2	<0.2	
12/6/2016					<0.2
2/13/2017	<0.2	<0.2	<0.2	<0.2	<0.2
4/7/2017		<0.2			
4/10/2017	<0.2		<0.2		
4/11/2017				<0.2	<0.2
6/22/2017		<0.2			
6/23/2017	<0.2		<0.2		
6/24/2017				<0.2	<0.2
10/10/2017	<0.2	<0.2			
10/11/2017			<0.2	<0.2	<0.2
3/23/2018		<0.082			
3/26/2018	<0.082		<0.082	<0.082	<0.082
10/4/2018	<0.082	<0.082	<0.082	<0.082	<0.082
3/27/2019			<0.026		
3/28/2019	0.033 (J)	0.042 (J)		0.039 (J)	<0.026
9/12/2019	0.042 (J)	0.028 (J)	0.028 (J)	0.042 (J)	<0.026
3/19/2020	0.042 (J)	0.039 (J)	0.037 (J)	0.053 (J)	<0.1

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.005	<0.005	<0.005		
12/21/2010						<0.005	<0.005
12/22/2010	<0.005	<0.005					
2/1/2011				<0.005	0.0027 (J)		
2/14/2011	0.0028 (J)	<0.005	0.0024 (J)			0.0029 (J)	0.0032 (J)
3/21/2011			<0.005	<0.005			0.0038 (J)
3/22/2011	0.0021 (J)	<0.005					
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)	
10/25/2011						0.0043 (J)	
10/26/2011			0.0026 (J)		<0.005		0.0024 (J)
10/27/2011	0.0028 (J)	0.0033 (J)		0.0025 (J)			
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005	
5/2/2012				<0.005			<0.005
11/8/2012	<0.005	<0.005	0.0023 (J)	0.003 (J)	0.0022 (J)	<0.005	0.0021 (J)
5/7/2013	0.0044 (J)	0.0048 (J)		0.0029 (J)	0.0062	0.0064	
5/8/2013			0.0026 (J)				0.006
11/4/2013	<0.005	<0.005	<0.005	<0.005			
11/5/2013					<0.005	<0.005	0.0023 (J)
5/23/2014					0.0026 (J)	<0.005	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005			
11/7/2014			<0.005	<0.005	0.0022 (J)	0.0026 (J)	<0.005
11/8/2014	<0.005	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)	0.0062 (J)
11/12/2015					<0.002	0.0021 (J)	0.0035 (J)
11/13/2015	<0.002	<0.002	0.0031 (J)	<0.002			
4/6/2016	<0.005						
4/7/2016			<0.005	<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		<0.005
6/17/2016						<0.005	
8/9/2016		<0.0013	<0.0013	<0.0013	<0.0013		<0.0013
8/10/2016	<0.0013					<0.0013	
10/10/2016			<0.0013	<0.0013			
10/11/2016	<0.0013	<0.0013			<0.0013		<0.0013
10/14/2016						<0.0013	
12/2/2016	<0.0013		<0.0013	<0.0013			<0.0013
12/5/2016		<0.0013			<0.0013		
12/19/2016						<0.0013	
2/9/2017			<0.0013				<0.0013
2/10/2017	<0.0013	<0.0013		<0.0013	<0.0013		
2/13/2017						<0.0013	
4/7/2017		<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
4/10/2017	<0.0013						
6/22/2017			<0.0013		<0.0013	<0.0013	<0.0013
6/23/2017	<0.0013			<0.0013			
6/26/2017		<0.0013					
10/9/2017	<0.0013	<0.0013					
10/10/2017			<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
3/22/2018			<0.00035 (D)		0.00096 (J)		<0.00035

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<0.00035		<0.00035	
3/26/2018	<0.00035	<0.00035 (D)					
10/3/2018	<0.00035	<0.00035	<0.00035			<0.00035	<0.00035
10/4/2018				<0.00035			
10/5/2018					<0.00035		
3/27/2019	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035
9/12/2019	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
3/19/2020	<0.001	<0.001	0.00019 (J)	<0.001		0.0002 (J)	<0.001
3/20/2020					<0.001		

# Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.005
12/21/2010				<0.005	
12/22/2010	<0.005	<0.005	<0.005		
2/14/2011					<0.005
2/15/2011	0.0021 (J)	0.0028 (J)	0.0032 (J)	0.0034 (J)	
3/21/2011				0.004 (J)	<0.005
3/22/2011	0.0027 (J)	0.0022 (J)	0.0024 (J)		
4/27/2011	0.0024 (J)	0.0033 (J)	0.0033 (J)		<0.005
4/28/2011				0.0036 (J)	
10/26/2011	0.0021 (J)	0.0028 (J)	0.0023 (J)	0.0038 (J)	<0.005
5/1/2012				<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005		
11/9/2012				<0.005	<0.005
5/8/2013	0.0035 (J)	0.0043 (J)	0.0035 (J)	0.0059	<0.005
11/4/2013	<0.005	<0.005	<0.005	0.0027 (J)	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2014	<0.005		<0.005	<0.005	<0.005
11/8/2014		<0.005			
5/20/2015					0.0026 (O)
5/22/2015	0.0038 (J)	0.0042 (J)	0.0035 (J)	0.006 (J)	
11/13/2015	<0.002	<0.002	<0.002	0.0024 (J)	<0.002
4/8/2016					<0.005
4/11/2016	<0.005	<0.005	<0.005	<0.005	
6/15/2016	<0.005	<0.005			
6/16/2016			<0.005	<0.005	<0.005
8/10/2016	<0.0013	<0.0013	<0.0013		
8/11/2016				<0.0013	<0.0013
10/11/2016	<0.0013	<0.0013			
10/13/2016			<0.0013	<0.0013	<0.0013
12/2/2016		<0.0013			
12/5/2016	<0.0013		<0.0013	<0.0013	
12/6/2016					<0.0013
2/13/2017	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
4/7/2017		<0.0013			
4/10/2017	<0.0013		<0.0013		
4/11/2017				<0.0013	<0.0013
6/22/2017		<0.0013			
6/23/2017	<0.0013		<0.0013		
6/24/2017				<0.0013	<0.0013
10/10/2017	<0.0013	<0.0013			
10/11/2017			0.00041 (J)	<0.0013	<0.0013
3/23/2018		<0.00035			
3/26/2018	<0.00035		<0.00035	0.0034	<0.00035
10/4/2018	<0.00035	<0.00035	<0.00035	<0.00035	<0.00035
3/27/2019			<0.00035		
3/28/2019	<0.00035	<0.00035		<0.00035	<0.00035
9/12/2019	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.0002	<0.0002	<0.0002		
12/21/2010						<0.0002	<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	<0.0002
3/21/2011			<0.0002	<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			<0.0002
4/27/2011					<0.0002	<0.0002	
10/25/2011						<0.0002	
10/26/2011			<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
11/8/2012	<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
11/4/2013	<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			
11/7/2014			<0.0002	<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	<0.0002
11/12/2015					<7E-05	<7E-05	<7E-05
11/13/2015	<7E-05	<7E-05	<7E-05	<7E-05			
4/6/2016	<0.0005						
4/7/2016			<0.0005	<0.0005		<0.0005	<0.0005
4/8/2016		<0.0005			<0.0005		
6/14/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
6/17/2016						<0.0005	
8/9/2016		<0.0002	<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		<0.0002
10/14/2016						<0.0002	
12/2/2016	<0.0002		<0.0002	<0.0002			<0.0002
12/5/2016		<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	
4/7/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/10/2017	<0.0002						
6/22/2017			<0.0002		<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)	8.8E-05 (J)
3/22/2018			<7E-05 (D)		<7E-05		<7E-05

# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<7E-05		<7E-05	
3/26/2018	<0.0002 (X)	<0.0002 (D)					
10/3/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)			<0.0002 (X)	<0.0002 (X)
10/4/2018				<7E-05			
10/5/2018					<7E-05		
3/27/2019	<7E-05	<7E-05	<7E-05	<7E-05	<7E-05	<7E-05	<7E-05
9/12/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
3/20/2020					<0.0002		



# Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.0002
12/21/2010				<0.0002	
12/22/2010	<0.0002	<0.0002	<0.0002		
2/14/2011					<0.0002
2/15/2011	<0.0002	<0.0002	<0.0002	<0.0002	
3/21/2011				<0.0002	<0.0002
3/22/2011	<0.0002	<0.0002	<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	8.2E-05	<0.0002
5/1/2012				<0.0002	<0.0002
5/2/2012	<0.0002	<0.0002	<0.0002		
11/8/2012	<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
11/4/2013	<0.0002	<0.0002	<0.0002	<0.0002	<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
11/8/2014		<0.0002			
5/20/2015					<0.0002
5/22/2015	<0.0002	<0.0002	<0.0002	<0.0002	
11/13/2015	<7E-05	<7E-05	<7E-05	<7E-05	<7E-05
4/8/2016					<0.0005
4/11/2016	<0.0005	<0.0005	<0.0005	<0.0005	
6/15/2016	<0.0005	<0.0005			
6/16/2016			<0.0005	<0.0005	<0.0005
8/10/2016	<0.0002	<0.0002	<0.0002		
8/11/2016				<0.0002	<0.0002
10/11/2016	<0.0002	<0.0002			
10/13/2016			<0.0002	<0.0002	<0.0002
12/2/2016		<0.0002			
12/5/2016	<0.0002		<0.0002	<0.0002	
12/6/2016					<0.0002
2/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/7/2017		<0.0002			
4/10/2017	<0.0002		<0.0002		
4/11/2017				<0.0002	<0.0002
6/22/2017		<0.0002			
6/23/2017	<0.0002		<0.0002		
6/24/2017				<0.0002	<0.0002
10/10/2017	9.1E-05 (J)	8.9E-05 (J)			
10/11/2017			<0.0002	<0.0002	<0.0002
3/23/2018		<0.0002 (X)			
3/26/2018	<7E-05		<7E-05	<7E-05	<0.0002 (X)
10/4/2018	<7E-05	<7E-05	<7E-05	<7E-05	<7E-05
3/27/2019			<7E-05		
3/28/2019	<7E-05	<7E-05		<7E-05	<7E-05
9/12/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.005	<0.005	<0.005		
12/21/2010						0.0052	<0.005
12/22/2010	<0.005	0.003 (O)					
2/1/2011				<0.005	0.0072		
2/14/2011	<0.005	<0.005	<0.005			0.016	<0.005
3/21/2011			<0.005	<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			<0.005
4/27/2011					<0.005	<0.005	
10/25/2011						<0.005	
10/26/2011			<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	0.0035 (J)	
5/2/2012				<0.005			<0.005
11/8/2012	<0.005	<0.005	<0.005	0.0035 (O)	0.0066	0.0046 (J)	<0.005
5/7/2013	<0.005	<0.005		<0.005	0.022	0.0087	
5/8/2013			<0.005				<0.005
11/4/2013	<0.005	<0.005	<0.005	<0.005			
11/5/2013					0.0093	0.0036 (J)	<0.005
5/23/2014					0.0045 (J)	<0.005	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005			
11/7/2014			<0.005	<0.005	0.0049 (J)	0.0064	<0.005
11/8/2014	<0.005	<0.005					
5/20/2015			<0.005	<0.005			
5/21/2015	<0.005	<0.005			0.012	0.0045 (J)	<0.005
11/12/2015					0.019	0.0036 (J)	<0.003
11/13/2015	<0.003	<0.003	<0.003	<0.003			
4/6/2016	<0.01						
4/7/2016			<0.01	<0.01		<0.01	<0.01
4/8/2016		<0.01			<0.01		
10/10/2016			<0.0025	<0.0025			
10/11/2016	<0.0025	<0.0025			<0.0025		<0.0025
10/14/2016						<0.0025	
4/7/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025						
10/9/2017	0.0024 (O)	<0.0025					
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0018 (D)		<0.0018		<0.0018
3/23/2018				<0.0018		<0.0018	
3/26/2018	<0.0018	<0.0018 (D)					
10/3/2018	<0.0018	<0.0018	<0.0018			<0.0018	<0.0018
10/4/2018				<0.0018			
10/5/2018					<0.0018		
3/27/2019	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018
9/12/2019	0.00097 (J)	<0.00034	0.00061 (J)	0.0004 (J)	<0.00034	<0.00034	0.00043 (J)
3/19/2020	0.00037 (J)	<0.001	0.00074 (J)	<0.001		0.0004 (J)	<0.001
3/20/2020					<0.001		

# Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					0.006
12/21/2010				<0.005	
12/22/2010	<0.005	<0.005	<0.005		
2/14/2011					0.0067
2/15/2011	<0.005	<0.005	<0.005	<0.005	
3/21/2011				<0.005	0.0066
3/22/2011	<0.005	<0.005	<0.005		
4/27/2011	<0.005	<0.005	<0.005		0.0077
4/28/2011				<0.005	
10/26/2011	<0.005	<0.005	<0.005	<0.005	0.0063
5/1/2012				<0.005	0.0068
5/2/2012	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005		
11/9/2012				<0.005	0.0067
5/8/2013	<0.005	<0.005	<0.005	<0.005	0.0066
11/4/2013	<0.005	<0.005	<0.005	<0.005	0.0072
5/24/2014	<0.005	<0.005	<0.005	<0.005	0.0053
11/7/2014	<0.005		<0.005	<0.005	0.0052
11/8/2014		<0.005			
5/20/2015					0.0067
5/22/2015	0.0032 (J)	<0.005	<0.005	<0.005	
11/13/2015	<0.003	<0.003	<0.003	<0.003	0.0063
4/8/2016					<0.01
4/11/2016	0.00388 (J)	<0.01	<0.01	<0.01	
10/11/2016	<0.0047	<0.0025			
10/13/2016			<0.0025	<0.0025	<0.0073
4/7/2017		<0.0025			
4/10/2017	0.0042		<0.0025		
4/11/2017				<0.0025	0.0075
10/10/2017	0.0037	<0.0025			
10/11/2017			0.0018 (J)	<0.0025	0.0072
3/23/2018		<0.0018			
3/26/2018	0.0037		0.0021 (J)	<0.0018	0.0075
10/4/2018	0.0037	<0.0018	0.0024 (J)	<0.0018	0.0073
3/27/2019			0.0024 (J)		
3/28/2019	0.0038	<0.0018		<0.0018	0.0069
9/12/2019	0.0035	0.0012	0.0019	<0.00034	0.007
3/19/2020	0.0039	0.0015	0.0021	<0.001	0.007

# Time Series

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:23 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)
11/7/2014			6.26	5.92	6.54	6.91	6.99
11/8/2014	5.89	5.92					
5/21/2015		5.97					
11/12/2015					6.43	6.81	7
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	6.85
4/8/2016		6.12			6.45		
6/14/2016	5.75	5.84	6.05	5.82	6.4		6.83
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	
10/10/2016			6.02	5.78			
10/11/2016	5.8	5.84			6.34		6.83
10/14/2016						6.7	
12/2/2016	5.78		5.95	5.71			6.79
12/5/2016		5.7			6.46	6.71	
2/9/2017			6.24				6.65
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	6.75
4/10/2017	5.74						
6/22/2017			6.02		6.45	6.76	6.85
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	6.84
3/22/2018			6.2		6.46		7
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	6.93
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	6.91
9/12/2019	5.83	5.87		5.83	6.49	6.78	6.82
9/13/2019			5.96				
3/19/2020	5.81	6.14	6.46	5.93	6.39	6.73	6.87
3/20/2020					6.39		

# Time Series

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
11/7/2014			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)
11/13/2015	5.87	5.92	5.82	6.77	5.52
4/8/2016					5.63
4/11/2016	5.84	5.82	5.88	6.64	
6/15/2016	5.82	5.85			
6/16/2016			5.85	6.6	5.56
8/10/2016	5.82	5.85	5.83		
8/11/2016				6.61	5.56
10/11/2016	5.78	5.76			
10/13/2016			5.84	6.64	5.61
12/2/2016		5.76			
12/5/2016	5.72		5.81	6.63	
12/6/2016					5.48
2/13/2017	5.81	5.8	5.76	6.59	5.57
4/7/2017		5.75			
4/10/2017	5.75		5.78		
4/11/2017				6.53	5.52
6/22/2017		5.83			
6/23/2017	5.78		5.82		
6/26/2017				6.6	5.56
10/10/2017	5.82	5.76			
10/11/2017			5.83	6.61	5.51
3/23/2018		5.98			
3/26/2018	5.91		5.98	6.77	5.78
10/4/2018	5.83	5.85	5.85	6.67	5.56
3/27/2019			5.94		
3/28/2019	5.95	5.71		6.71	5.67
9/12/2019	5.98		5.86	6.68	
9/13/2019		5.78			5.55
3/19/2020	5.97	5.78	5.9	6.64	5.65

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.01	<0.01	<0.01		
12/21/2010						<0.01	<0.01
12/22/2010	<0.01	<0.01					
2/1/2011				<0.01	<0.01		
2/14/2011	<0.01	<0.01	<0.01			<0.01	<0.01
3/21/2011			<0.01	<0.01			<0.01
3/22/2011	<0.01	<0.01					
3/23/2011					<0.01	<0.01	
4/26/2011	<0.01	<0.01	<0.01	<0.01			<0.01
4/27/2011					<0.01	<0.01	
10/25/2011						<0.01	
10/26/2011			<0.01		<0.01		<0.01
10/27/2011	<0.01	<0.01		<0.01			
5/1/2012	<0.01	<0.01	<0.01		<0.01	<0.01	
5/2/2012				<0.01			<0.01
11/8/2012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5/7/2013	<0.01	<0.01		<0.01	<0.01	0.0046	
5/8/2013			0.0048				<0.01
11/4/2013	0.0061 (O)	0.0048	<0.01	<0.01			
11/5/2013					0.0064 (O)	0.0047	<0.01
5/23/2014					<0.01	<0.01	<0.01
5/24/2014	<0.01	<0.01	0.0042	<0.01			
11/7/2014			<0.01	<0.01	<0.01	<0.01	<0.01
11/8/2014	<0.01	<0.01					
5/20/2015			0.0093 (O)	<0.02			
5/21/2015	0.0072 (O)	0.0041			<0.02	0.0077 (O)	0.0041
11/12/2015					<0.004	<0.004	<0.004
11/13/2015	<0.004	<0.004	0.0061 (O)	<0.004			
4/6/2016	<0.01						
4/7/2016			<0.01	<0.01		<0.01	<0.01
4/8/2016		<0.01			<0.01		
6/14/2016	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
6/17/2016						<0.01	
8/9/2016		<0.0013	<0.0013	<0.0013	<0.0013		<0.0013
8/10/2016	<0.0013					<0.0013	
10/10/2016			<0.0013	<0.0013			
10/11/2016	<0.0013	<0.0013			<0.0013		<0.0013
10/14/2016						<0.0013	
12/2/2016	<0.0013		<0.0013	<0.0013			<0.0013
12/5/2016		<0.0013			<0.0013		
12/19/2016						<0.0013	
2/9/2017			<0.0013				<0.0013
2/10/2017	<0.0013	0.0032		<0.0013	<0.0013		
2/13/2017						<0.0013	
4/7/2017		<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.00092 (J)
4/10/2017	<0.0013						
6/22/2017			<0.0013		0.0021	<0.0013	<0.0013
6/23/2017	<0.0013			<0.0013			
6/26/2017		<0.0013					
10/9/2017	<0.0013	<0.0013					
10/10/2017			0.00033 (J)	<0.0013	<0.0013	<0.0013	<0.0013
3/22/2018			<0.00024 (D)		<0.00024		<0.00024

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<0.00024		<0.00024	
3/26/2018	<0.00024	<0.00024 (D)					
10/3/2018	<0.00024	<0.00024	<0.00024			<0.00024	<0.00024
10/4/2018				<0.00024			
10/5/2018					<0.00024		
3/27/2019	<0.00071	<0.00071	<0.00071	<0.00071	<0.00071	<0.00071	<0.00071
9/12/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
3/19/2020	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
3/20/2020					<0.005		

# Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.01
12/21/2010				<0.01	
12/22/2010	<0.01	<0.01	<0.01		
2/14/2011					<0.01
2/15/2011	<0.01	<0.01	<0.01	<0.01	
3/21/2011				<0.01	<0.01
3/22/2011	<0.01	<0.01	<0.01		
4/27/2011	<0.01	<0.01	<0.01		<0.01
4/28/2011				<0.01	
10/26/2011	<0.01	<0.01	<0.01	<0.01	<0.01
5/1/2012				<0.01	<0.01
5/2/2012	<0.01	<0.01	<0.01		
11/8/2012	<0.01	<0.01	<0.01		
11/9/2012				<0.01	<0.01
5/8/2013	<0.01	0.0042	<0.01	<0.01	<0.01
11/4/2013	<0.01	<0.01	<0.01	0.0049	<0.01
5/24/2014	0.0044	<0.01	<0.01	<0.01	<0.01
11/7/2014	<0.01		<0.01	<0.01	<0.01
11/8/2014		<0.01			
5/20/2015					<0.02
5/22/2015	<0.02	<0.02	<0.02	0.0067 (O)	
11/13/2015	<0.004	<0.004	<0.004	<0.004	<0.004
4/8/2016					<0.01
4/11/2016	<0.01	<0.01	<0.01	<0.01	
6/15/2016	<0.01	<0.01			
6/16/2016			<0.01	<0.01	<0.01
8/10/2016	<0.0013	<0.0013	<0.0013		
8/11/2016				0.00036 (J)	<0.0013
10/11/2016	<0.0013	<0.0013			
10/13/2016			<0.0013	0.00035 (J)	0.00046 (J)
12/2/2016		<0.0013			
12/5/2016	<0.0013		<0.0013	<0.0013	
12/6/2016					<0.0013
2/13/2017	<0.0013	<0.0013	<0.0013	<0.0013	0.0025
4/7/2017		0.0021			
4/10/2017	<0.0013		<0.0013		
4/11/2017				0.0027	0.00089 (J)
6/22/2017		<0.0013			
6/23/2017	<0.0013		<0.0013		
6/24/2017				<0.0013	<0.0013
10/10/2017	<0.0013	<0.0013			
10/11/2017			<0.0013	<0.0013	<0.0013
3/23/2018		<0.00024			
3/26/2018	<0.00024		<0.00024	<0.00024	<0.00024
10/4/2018	0.00032 (J)	<0.00024	<0.00024	0.0004 (J)	<0.00024
3/27/2019			<0.00071		
3/28/2019	<0.00071	<0.00071		<0.00071	<0.00071
9/12/2019	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
3/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005



# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	0.813 (J)						
4/7/2016			107.095	0.594 (J)		1.522	0.507 (J)
4/8/2016		<1			<1		
6/14/2016	<1.1	<1	160	<1	<1		<1
6/17/2016						1.1	
8/9/2016		<1	130	<1	<1		<1
8/10/2016	0.9 (J)					1.1	
10/10/2016			140	<1			
10/11/2016	0.99 (J)	<1			<1		<1
10/14/2016						0.89 (J)	
12/2/2016	0.99 (J)		150	<1			<1
12/5/2016		<1			<1		
12/19/2016						1.2	
2/9/2017			150				<1
2/10/2017	1.4	<1		<1	<1		
2/13/2017						1.4	
4/7/2017		<1	140	<1	<1	1.2	<1
4/10/2017	1.6						
6/22/2017			160		<1	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)	<1
3/22/2018			150 (D)		<0.7		<0.7
3/23/2018				<0.7		1.3	
3/26/2018	2.3	<0.7 (D)					
10/3/2018	1.9	<0.7	140			1.2	<0.7
10/4/2018				<0.7			
10/5/2018					<0.7		
3/27/2019	0.81 (J)	<0.38	140	0.52 (J)	<0.38	1.6	0.56 (J)
9/12/2019	1.3	0.38 (J)	170	0.61 (J)	0.4 (J)	1.2	0.77 (J)
3/19/2020	0.92 (J)	<1	150	0.39 (J)		1.5	0.56 (J)
3/20/2020					0.58 (J)		

# Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					135.355
4/11/2016	2.15	<1	0.415 (J)	<1	
6/15/2016	<2.5	<1			
6/16/2016			<1	10	140
8/10/2016	2.5	<1	<1		
8/11/2016				9.8	130
10/11/2016	2.7	<1			
10/13/2016			<1	11	140
12/2/2016		<1			
12/5/2016	2.6		<1	13	
12/6/2016					150
2/13/2017	2.4	<1	<1	14	160
4/7/2017		<1			
4/10/2017	2.3		<1		
4/11/2017				12	130
6/22/2017		<1			
6/23/2017	2.5		<1		
6/24/2017				12	160
10/10/2017	2.5	<1			
10/11/2017			<1	13	160
3/23/2018		<0.7			
3/26/2018	2.4		<0.7	20	160
10/4/2018	2.8	<0.7	<0.7	23	170
3/27/2019			2.7		
3/28/2019	3.2	0.38 (J)		29	170
9/12/2019	3.2	<0.38	0.65 (J)	34	170
3/19/2020	3.2	<1	0.71 (J)	40	170

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			0.00026 (J)	<0.001	<0.001		
12/21/2010						<0.001	<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	<0.001
3/21/2011			<0.001	<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			<0.001
4/27/2011					<0.001	<0.001	
10/25/2011						<0.001	
10/26/2011			<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
11/8/2012	<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
11/4/2013	0.00025 (J)	<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			
11/7/2014			0.00032	<0.001	<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	<0.001
11/12/2015					<0.00049	<0.00049	<0.00049
11/13/2015	<0.00049	<0.00049	<0.00049	<0.00049			
4/6/2016	<0.001						
4/7/2016			<0.001	<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		<0.001
6/17/2016						<0.001	
8/9/2016		<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
8/10/2016	<0.0005					<0.0005	
10/10/2016			<0.0005	<0.0005			
10/11/2016	<0.0005	<0.0005			<0.0005		<0.0005
10/14/2016						<0.0005	
12/2/2016	<0.0005		<0.0005	<0.0005			<0.0005
12/5/2016		<0.0005			<0.0005		
12/19/2016						<0.0005	
2/9/2017			<0.0005				<0.0005
2/10/2017	<0.0005	<0.0005		<0.0005	<0.0005		
2/13/2017						<0.0005	
4/7/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/10/2017	<0.0005						
6/22/2017			<0.0005		<0.0005	<0.0005	<0.0005
6/23/2017	<0.0005			<0.0005			
6/26/2017		<0.0005					
10/9/2017	<0.0005	<0.0005					
10/10/2017			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/22/2018			<8.5E-05 (D)		<8.5E-05		<8.5E-05

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
3/23/2018				<8.5E-05		<8.5E-05	
3/26/2018	<8.5E-05	<8.5E-05 (D)					
10/3/2018	<8.5E-05	<8.5E-05	<8.5E-05			<8.5E-05	<8.5E-05
10/4/2018				<8.5E-05			
10/5/2018					<8.5E-05		
3/27/2019	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05
9/12/2019	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015
3/19/2020	<0.001	<0.001	0.00036 (J)	<0.001		0.00018 (J)	<0.001
3/20/2020					<0.001		

# Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.001
12/21/2010				<0.001	
12/22/2010	<0.001	<0.001	<0.001		
2/14/2011					<0.001
2/15/2011	<0.001	<0.001	<0.001	<0.001	
3/21/2011				<0.001	<0.001
3/22/2011	<0.001	<0.001	<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
5/1/2012				<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001		
11/9/2012				<0.001	<0.001
5/8/2013	<0.001	0.00028	<0.001	<0.001	<0.001
11/4/2013	<0.001	<0.001	<0.001	<0.001	<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
11/8/2014		<0.001			
5/20/2015					<0.001
5/22/2015	<0.001	<0.001	<0.001	<0.001	
11/13/2015	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049
4/8/2016					<0.001
4/11/2016	<0.001	<0.001	<0.001	<0.001	
6/15/2016	<0.001	<0.001			
6/16/2016			<0.001	<0.001	<0.001
8/10/2016	<0.0005	<0.0005	<0.0005		
8/11/2016				<0.0005	<0.0005
10/11/2016	<0.0005	<0.0005			
10/13/2016			<0.0005	<0.0005	<0.0005
12/2/2016		<0.0005			
12/5/2016	<0.0005		<0.0005	<0.0005	
12/6/2016					<0.0005
2/13/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/7/2017		<0.0005			
4/10/2017	<0.0005		<0.0005		
4/11/2017				<0.0005	<0.0005
6/22/2017		<0.0005			
6/23/2017	<0.0005		<0.0005		
6/24/2017				<0.0005	<0.0005
10/10/2017	<0.0005	<0.0005			
10/11/2017			<0.0005	<0.0005	<0.0005
3/23/2018		<8.5E-05			
3/26/2018	<8.5E-05		<8.5E-05	<8.5E-05	<8.5E-05
10/4/2018	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05	<8.5E-05
3/27/2019			<8.5E-05		
3/28/2019	<8.5E-05	<8.5E-05		<8.5E-05	<8.5E-05
9/12/2019	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:23 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)
4/6/2016	51						
4/7/2016			237	69		100	114
4/8/2016		74			89		
6/14/2016	62	111	240	<25	55		56 (O)
6/17/2016						69	
8/9/2016		44	230	40	90		100
8/10/2016	70					110	
10/10/2016			240	34			
10/11/2016	84	64			86		110
10/14/2016						100	
12/2/2016	74		270	50			94
12/5/2016		52			74		
12/19/2016						100	
2/9/2017			240				100
2/10/2017	100	86		60	100		
2/13/2017						80	
4/7/2017		68	260	70	92	86	100
4/10/2017	82						
6/22/2017			300		64	72	110
6/23/2017	72			42			
6/26/2017		76					
10/9/2017	82	50					
10/10/2017			280	34	68	70	100
3/22/2018			310		92		100
3/23/2018				52		86	
3/26/2018	94	56					
10/3/2018	72	42	190			88	96
10/4/2018				48			
10/5/2018					90		
3/27/2019	98	76	290	66	94	100	120
9/12/2019	130	72	340	97	88	110	120
3/19/2020	100	65	310	51		97	110
3/20/2020					99		

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/8/2016					237
4/11/2016	88	79	88	103	
6/15/2016	114	79			
6/16/2016			74	117	231
8/10/2016	82	72	66		
8/11/2016				94	190
10/11/2016	92	76			
10/13/2016			72	110	230
12/2/2016		60			
12/5/2016	86		70	130	
12/6/2016					260
2/13/2017	62	58	12 (O)	92	230
4/7/2017		68			
4/10/2017	60		80		
4/11/2017				120	210
6/22/2017		16			
6/23/2017	74		66		
6/24/2017				120	250
10/10/2017	86	44			
10/11/2017			56	120	280
3/23/2018		96			
3/26/2018	58 (J)		72	98	240
10/4/2018	130	110	96	190	320
3/27/2019			76		
3/28/2019	88	65		140	280
9/12/2019	110	89	110	160	300
3/19/2020	110	64	66	160	270

# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.01	0.0024 (J)	0.0051 (J)		
12/21/2010						0.0091 (J)	0.016
12/22/2010	<0.01	<0.01					
2/1/2011				0.0021 (J)	0.012		
2/14/2011	<0.01	<0.01	<0.01			0.013	0.016
3/21/2011			<0.01	0.0025 (J)			0.018
3/22/2011	0.0028 (J)	0.0032 (J)					
3/23/2011					0.015	<0.01	
4/26/2011	0.0025 (J)	<0.01	0.0022 (J)	0.0033 (J)			0.018
4/27/2011					0.022	0.0078 (J)	
10/25/2011						0.012 (O)	
10/26/2011			<0.01		0.0043 (J)		0.018
10/27/2011	<0.01	<0.01		<0.01			
5/1/2012	<0.01	0.0037 (J)	0.0036 (J)		0.0069 (J)	0.019	
5/2/2012				0.0051 (J)			0.021
11/8/2012	<0.01	<0.01	0.0062 (O)	0.02 (O)	0.013	0.015	0.019
5/7/2013	<0.01	0.0041 (J)		0.0036 (J)	0.017	0.017	
5/8/2013			<0.01				0.02
11/4/2013	<0.01	<0.01	<0.01	0.0043 (J)			
11/5/2013					0.013	0.015	0.018
5/23/2014					0.041	0.017	0.018
5/24/2014	<0.01	<0.01	<0.01	0.0033 (J)			
11/7/2014			<0.01	<0.01	0.0069 (J)	0.013	0.018
11/8/2014	<0.01	<0.01					
5/20/2015			<0.01	0.0062 (J)			
5/21/2015	<0.01	0.0052 (J)			0.016	0.016	0.02
11/12/2015					0.013	0.018	0.016
11/13/2015	<0.003	<0.003	<0.003	0.0046 (J)			
4/6/2016	0.00201 (J)						
4/7/2016			<0.01	0.00293 (J)		0.016	0.0182
4/8/2016		<0.01 (D)			<0.01 (D)		
10/10/2016			<0.0025	0.0031			
10/11/2016	<0.0067	<0.0037			0.011		0.023
10/14/2016						0.018	
4/7/2017		0.0033	<0.0025	0.0041	0.0073	0.017	0.02
4/10/2017	0.002 (J)						
10/9/2017	<0.0025	<0.0025					
10/10/2017			0.0014 (J)	<0.0025	0.0032	0.015	0.016
3/22/2018			<0.0014 (D)		0.0068		0.018
3/23/2018				0.0032		0.016	
3/26/2018	0.0014 (J)	0.0029					
10/3/2018	0.0023 (J)	0.0022 (J)	<0.0014			0.017	0.018
10/4/2018				<0.0034 (X)			
10/5/2018					<0.0053 (X)		
3/27/2019	0.0072 (O)	0.0071 (O)	0.0023 (J)	0.0072	0.012	0.022	0.021
9/12/2019	0.0031	0.0025	0.0017	0.0033	0.0075	0.019	0.02
3/19/2020	0.003	0.0052	0.0031	0.0033		0.019	0.02
3/20/2020					0.0086		



# Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					<0.01
12/21/2010				<0.01	
12/22/2010	0.0037 (J)	<0.01	0.0027 (J)		
2/14/2011					<0.01
2/15/2011	0.0043 (J)	<0.01	0.0036 (J)	0.0098 (J)	
3/21/2011				0.012	<0.01
3/22/2011	0.0039 (J)	0.0034 (J)	<0.01		
4/27/2011	0.0035 (J)	0.0032 (J)	0.0046 (J)		<0.01
4/28/2011				0.011	
10/26/2011	0.0047 (J)	<0.01	<0.01	0.012	<0.01
5/1/2012				0.011	0.0032 (J)
5/2/2012	0.0064 (J)	0.0039 (J)	0.0055 (J)		
11/8/2012	0.0051 (J)	0.0034 (J)	0.0042 (J)		
11/9/2012				0.011	<0.01
5/8/2013	0.0046 (J)	<0.01	0.0046 (J)	<0.01	<0.01
11/4/2013	0.0039 (J)	0.0035 (J)	0.0042 (J)	0.011	<0.01
5/24/2014	0.0053 (J)	0.0036 (J)	0.0061 (J)	0.012	<0.01
11/7/2014	0.0034 (J)		0.0032 (J)	0.01	<0.01
11/8/2014		<0.01			
5/20/2015					0.0065
5/22/2015	0.0068 (J)	0.0044 (J)	0.0056 (J)	0.013	
11/13/2015	0.0044 (J)	<0.003	<0.003	0.014	<0.003
4/8/2016					0.0136 (O)
4/11/2016	0.00381 (J)	0.00254 (J)	0.00415 (J)	0.0107	
10/11/2016	<0.0082	<0.0056			
10/13/2016			<0.0047	0.011	<0.0025
4/7/2017		0.0024 (J)			
4/10/2017	0.0038		0.0043		
4/11/2017				0.011	<0.0025
10/10/2017	0.0053	<0.0025			
10/11/2017			0.0052	0.012	0.0019 (J)
3/23/2018		0.0023 (J)			
3/26/2018	0.0037		0.004	0.0096	<0.0014
10/4/2018	<0.0053 (X)	<0.0037 (X)	<0.0066 (X)	0.013	<0.0037 (X)
3/27/2019			0.0087		
3/28/2019	0.0079	0.0053		0.01	0.0041
9/12/2019	0.0054	0.0028	0.0047	0.011	<0.00099
3/19/2020	0.0044	0.0027	0.0046	0.01	<0.001

# Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:23 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)
12/20/2010			<0.02	<0.02	<0.02		
12/21/2010						<0.02	<0.02
12/22/2010	<0.02	<0.02					
2/1/2011				<0.02	<0.02		
2/14/2011	<0.02	<0.02	<0.02			<0.02	<0.02
3/21/2011			<0.02	<0.02			<0.02
3/22/2011	<0.02	<0.02					
3/23/2011					<0.02	<0.02	
4/26/2011	<0.02	<0.02	<0.02	<0.02			<0.02
4/27/2011					<0.02	<0.02	
10/25/2011						<0.02	
10/26/2011			<0.02		<0.02		<0.02
10/27/2011	<0.02	<0.02		<0.02			
5/1/2012	<0.02	<0.02	<0.02		<0.02	<0.02	
5/2/2012				<0.02			<0.02
11/8/2012	<0.02	<0.02	<0.02	0.013 (O)	<0.02	<0.02	<0.02
5/7/2013	<0.02	<0.02		<0.02	0.0087	<0.02	
5/8/2013			<0.02				<0.02
11/4/2013	<0.02	<0.02	<0.02	<0.02			
11/5/2013					<0.02	<0.02	<0.02
5/23/2014					0.014 (O)	<0.02	<0.02
5/24/2014	<0.02	<0.02	<0.02	<0.02			
11/7/2014			<0.02	<0.02	<0.02	<0.02	<0.02
11/8/2014	<0.02	<0.02					
5/20/2015			<0.02	<0.02			
5/21/2015	<0.02	<0.02			<0.02	<0.02	<0.02
11/12/2015					<0.008	<0.008	<0.008
11/13/2015	<0.008	0.039 (O)	<0.008	<0.008			
4/6/2016	<0.01						
4/7/2016			0.00345 (J)	0.00265 (J)		0.00287 (J)	0.00208 (J)
10/10/2016			<0.02	<0.02			
10/11/2016	<0.02	<0.02			<0.02		<0.02
10/14/2016						<0.02	
4/7/2017		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4/10/2017	<0.02						
10/9/2017	<0.02	<0.02					
10/10/2017			<0.02	0.0096 (J)	<0.02	<0.02	<0.02
3/22/2018			<0.0065 (D)		<0.0065		<0.0065
3/23/2018				<0.0065		<0.0065	
3/26/2018	<0.0065	<0.0065 (D)					
10/3/2018	<0.0065	<0.0065	<0.0065			<0.0065	<0.0065
10/4/2018				<0.0065			
10/5/2018					<0.0065		
3/27/2019	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065
9/12/2019	0.0046 (J)	0.0085	0.0095	0.0091	0.0049 (J)	0.0048 (J)	0.0041 (J)
3/19/2020	<0.005	<0.005	0.0037 (J)	0.0035 (J)		<0.005	<0.005
3/20/2020					<0.005		

# Time Series

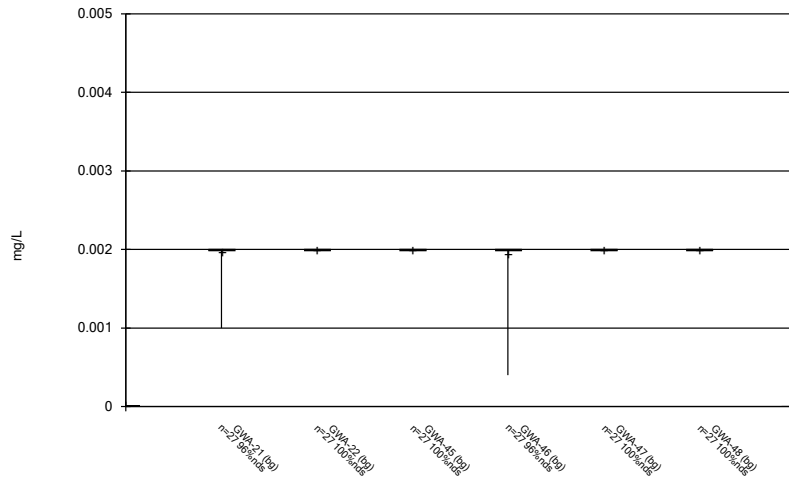
Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010					0.0095 (J)
12/21/2010				<0.02	
12/22/2010	<0.02	<0.02	<0.02		
2/14/2011					0.0092 (J)
2/15/2011	<0.02	<0.02	<0.02	<0.02	
3/21/2011				<0.02	0.011 (J)
3/22/2011	<0.02	<0.02	<0.02		
4/27/2011	<0.02	<0.02	<0.02		0.0096 (J)
4/28/2011				<0.02	
10/26/2011	<0.02	<0.02	<0.02	<0.02	0.011 (J)
5/1/2012				<0.02	0.012 (J)
5/2/2012	<0.02	<0.02	<0.02		
11/8/2012	<0.02	<0.02	<0.02		
11/9/2012				<0.02	0.014 (J)
5/8/2013	<0.02	<0.02	<0.02	<0.02	0.016 (J)
11/4/2013	<0.02	<0.02	<0.02	<0.02	0.014 (J)
5/24/2014	<0.02	<0.02	<0.02	<0.02	0.013 (J)
11/7/2014	<0.02		<0.02	<0.02	0.014 (J)
11/8/2014		<0.02			
5/20/2015					0.015 (J)
5/22/2015	<0.02	<0.02	<0.02	<0.02	
11/13/2015	<0.008	<0.008	<0.008	<0.008	0.015 (J)
4/11/2016	<0.01	<0.01	0.00333 (J)	<0.01	
10/11/2016	<0.02	<0.02			
10/13/2016			<0.02	<0.02	0.015 (J)
4/7/2017		<0.02			
4/10/2017	<0.02		<0.02		
4/11/2017				0.0065 (J)	0.015 (J)
10/10/2017	<0.02	<0.02			
10/11/2017			<0.02	<0.02	0.019 (J)
3/23/2018		<0.0065			
3/26/2018	<0.0065		<0.0065	<0.0065	0.016 (J)
10/4/2018	<0.0065	0.0076 (O)	<0.0065	<0.0065	0.017 (J)
3/27/2019			<0.0065		
3/28/2019	<0.0065	<0.0065		<0.0065	0.013 (J)
9/12/2019	0.0058	0.0057	0.0042 (J)	0.0073	0.02
3/19/2020	<0.005	0.0037 (J)	<0.005	<0.005	0.014

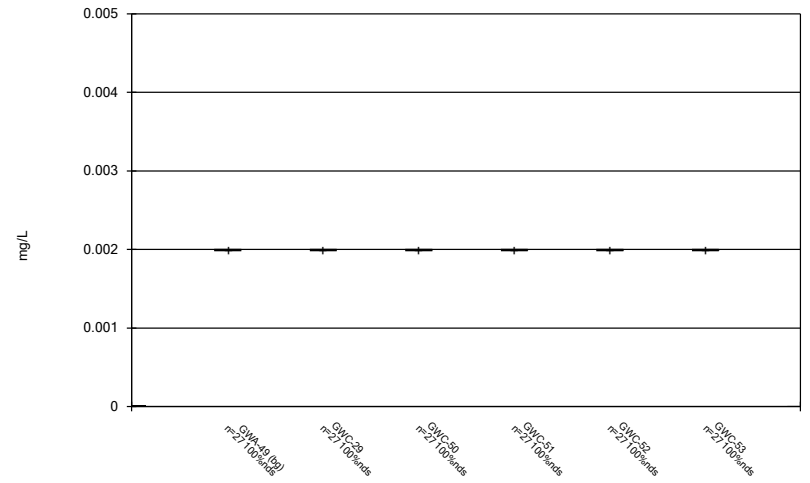
FIGURE B.

### Box & Whiskers Plot



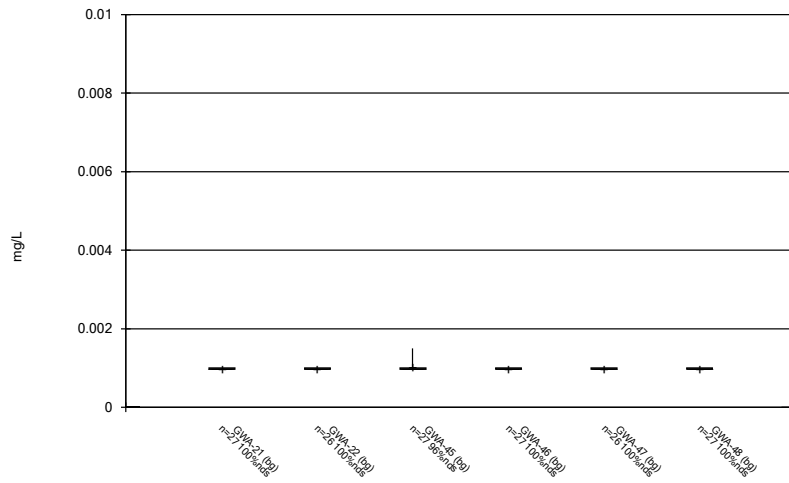
Constituent: Antimony, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



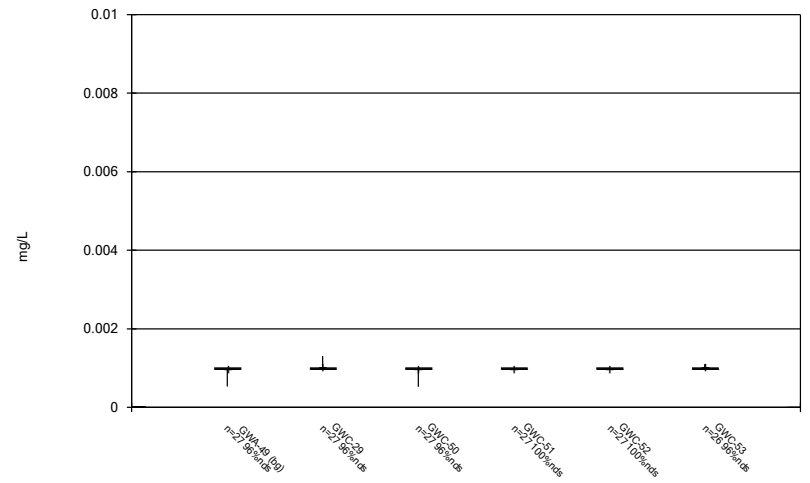
Constituent: Antimony, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



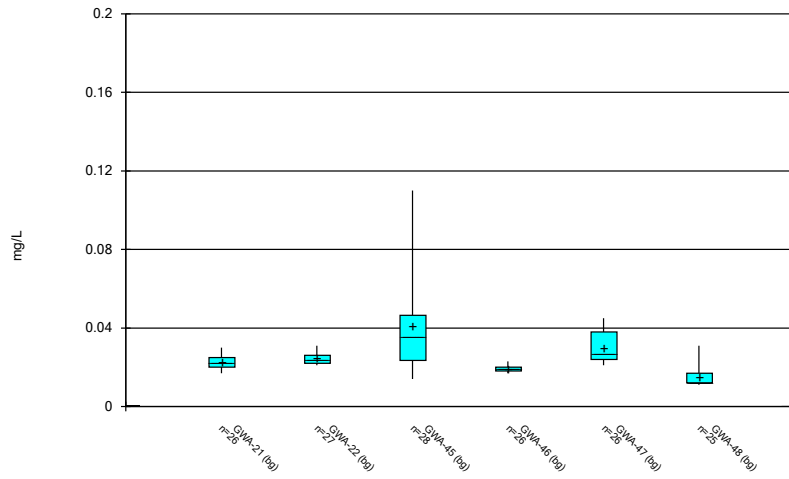
Constituent: Arsenic, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



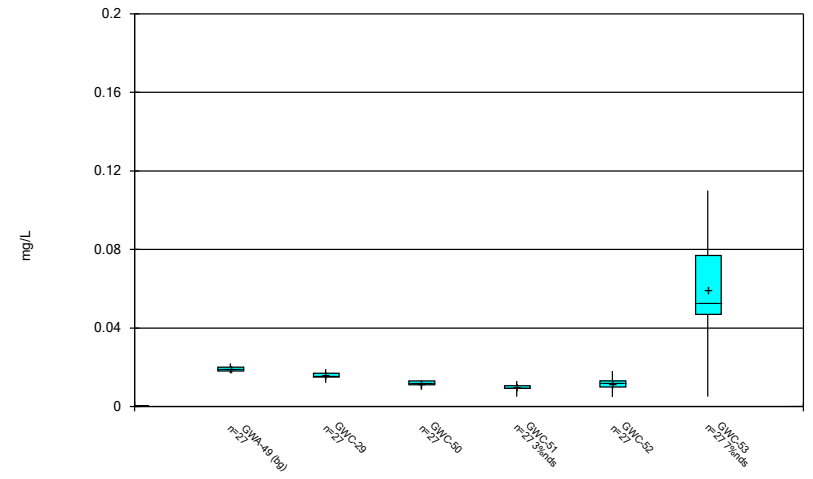
Constituent: Arsenic, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



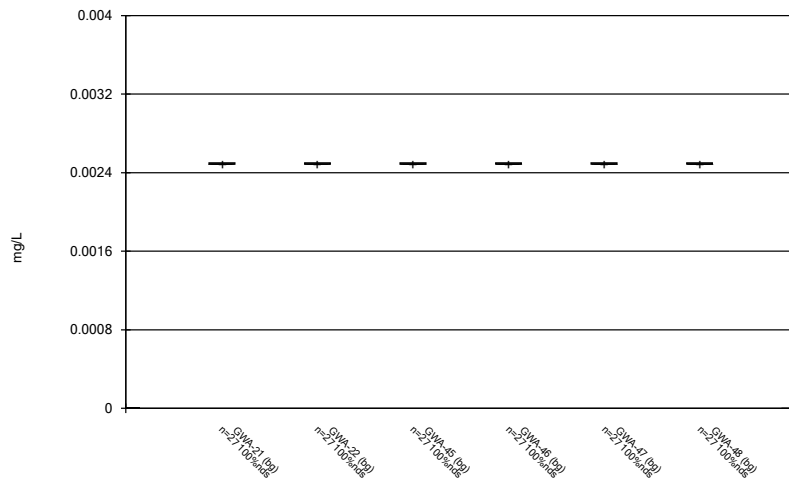
Constituent: Barium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



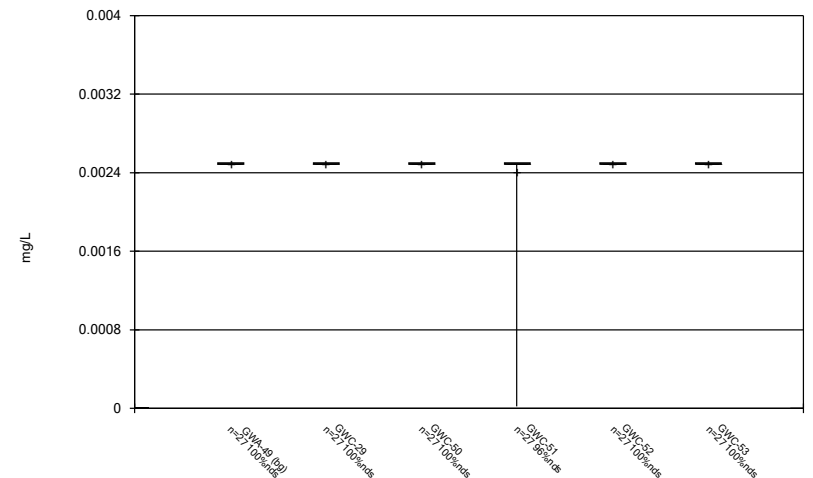
Constituent: Barium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



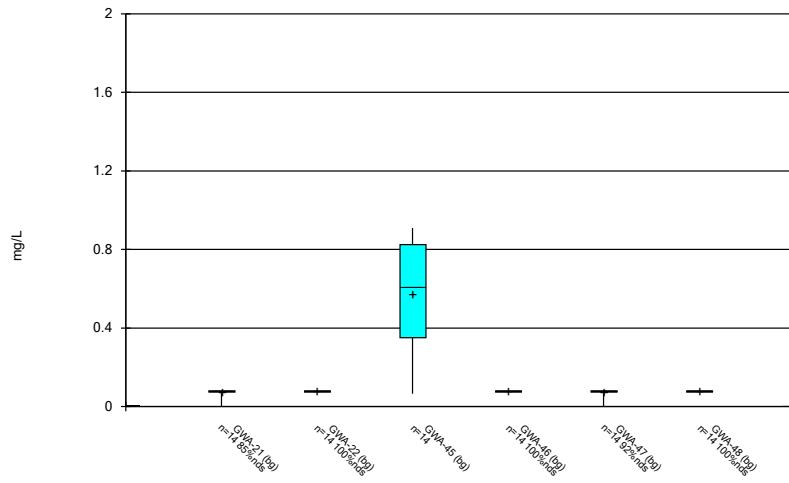
Constituent: Beryllium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



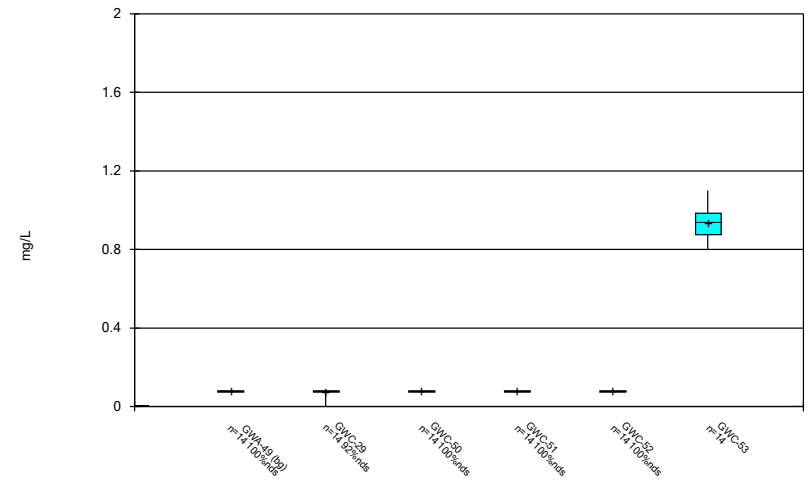
Constituent: Beryllium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



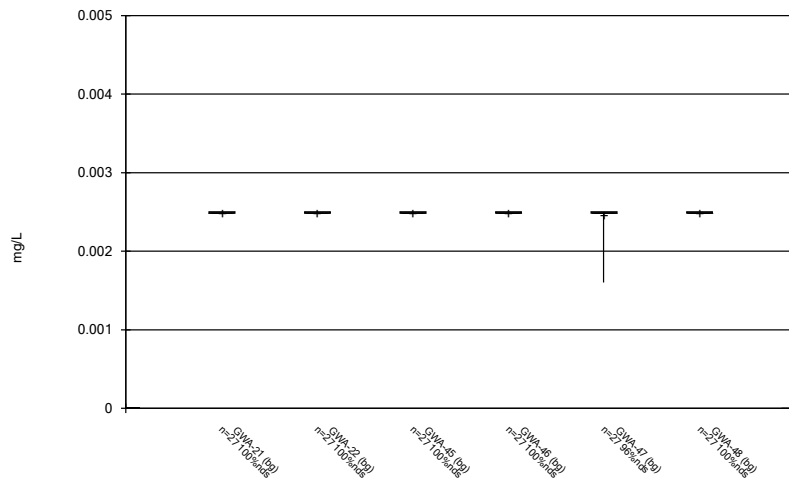
Constituent: Boron, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



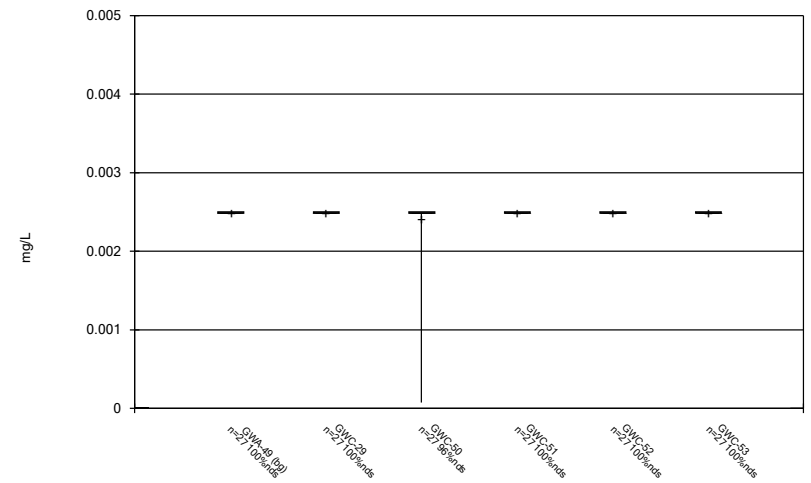
Constituent: Boron, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



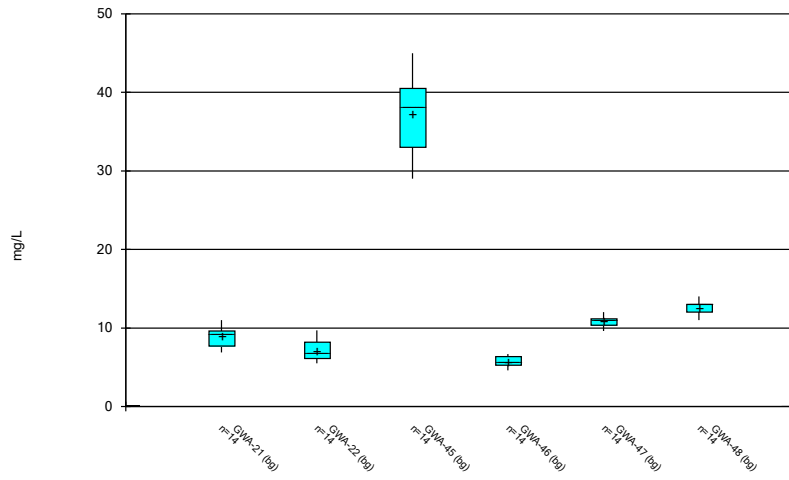
Constituent: Cadmium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



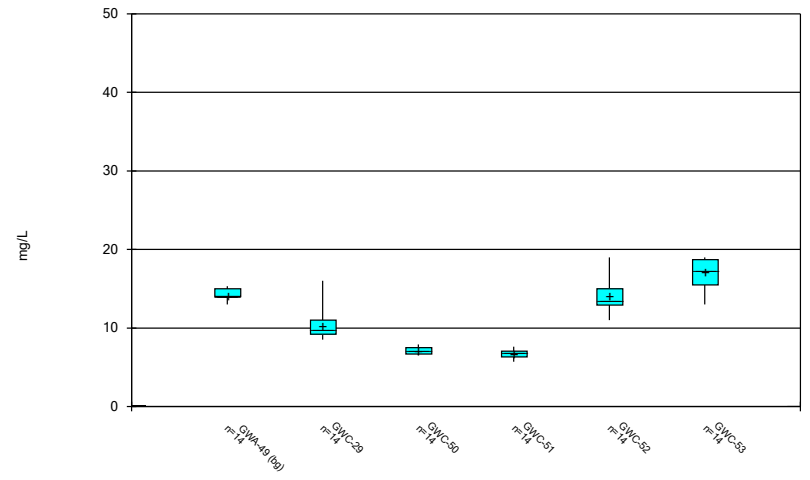
Constituent: Cadmium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



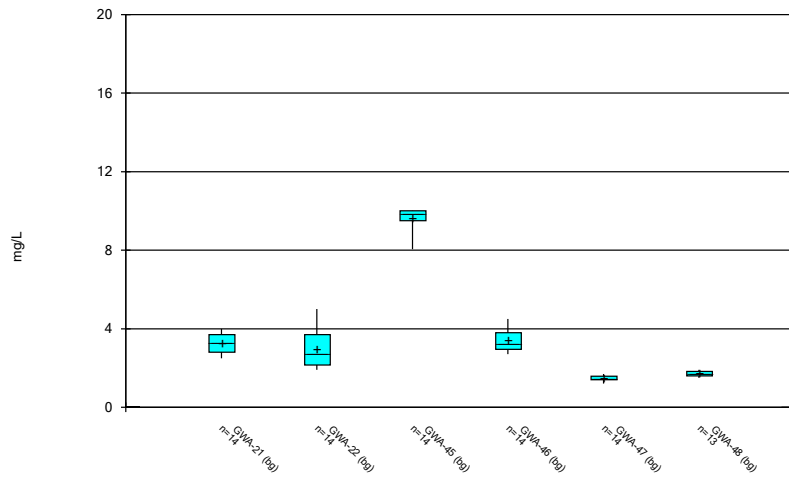
Constituent: Calcium, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



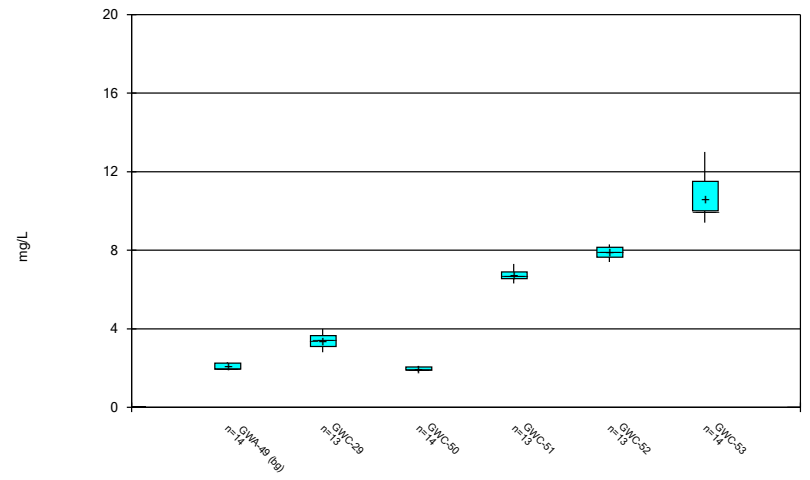
Constituent: Calcium, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

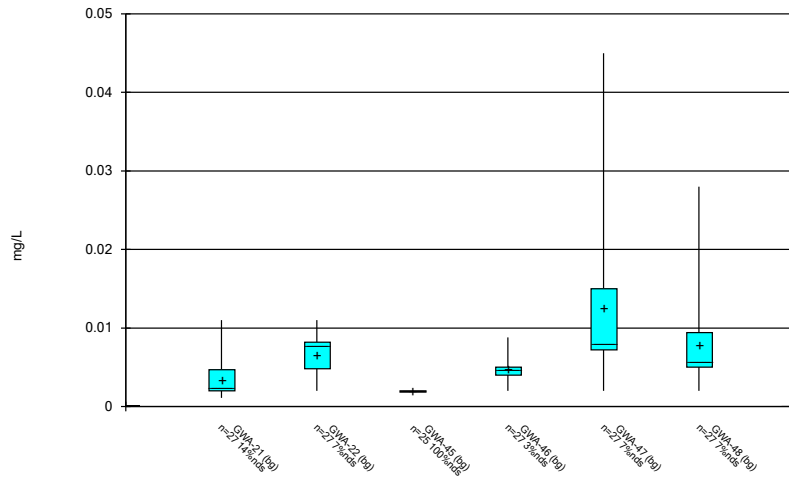
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

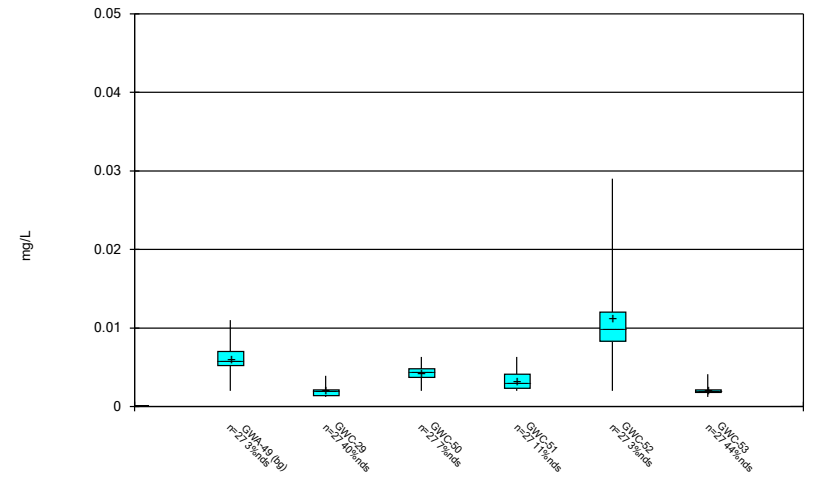


Box & Whiskers Plot



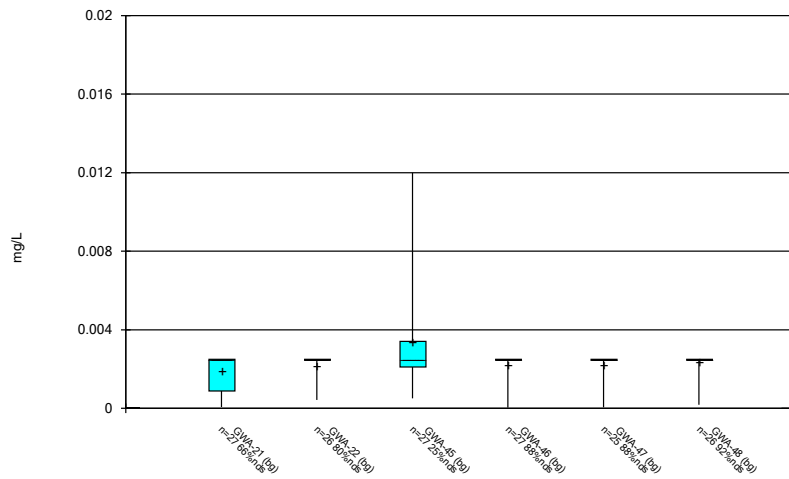
Constituent: Chromium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



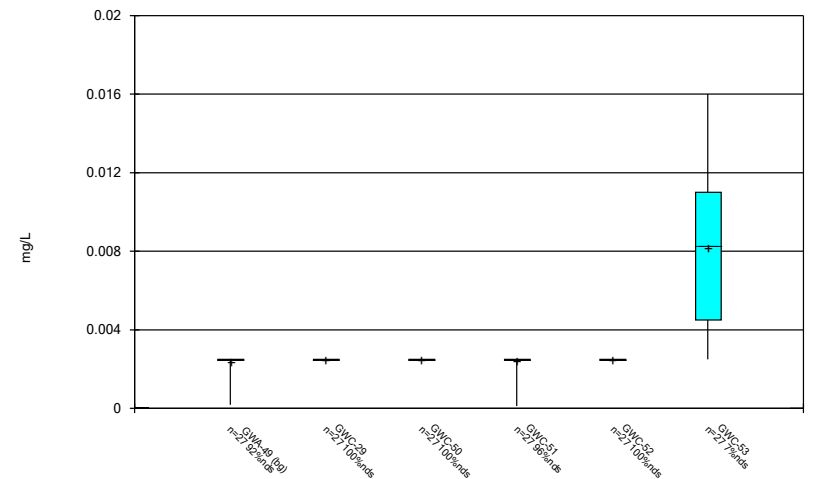
Constituent: Chromium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



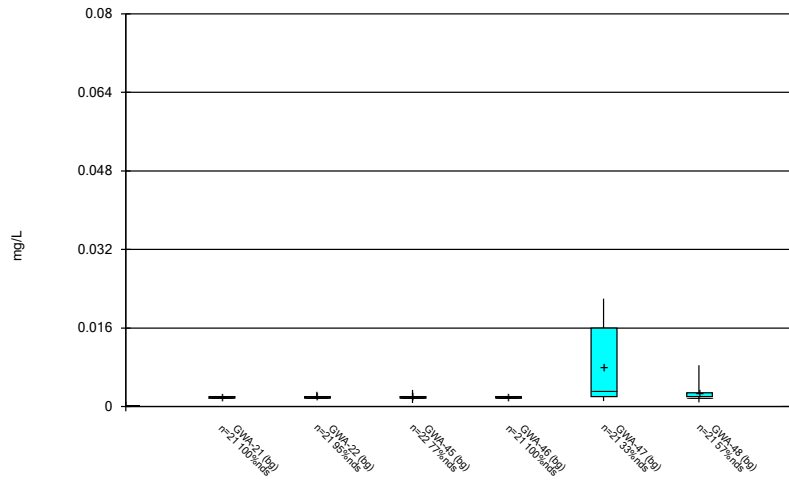
Constituent: Cobalt, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



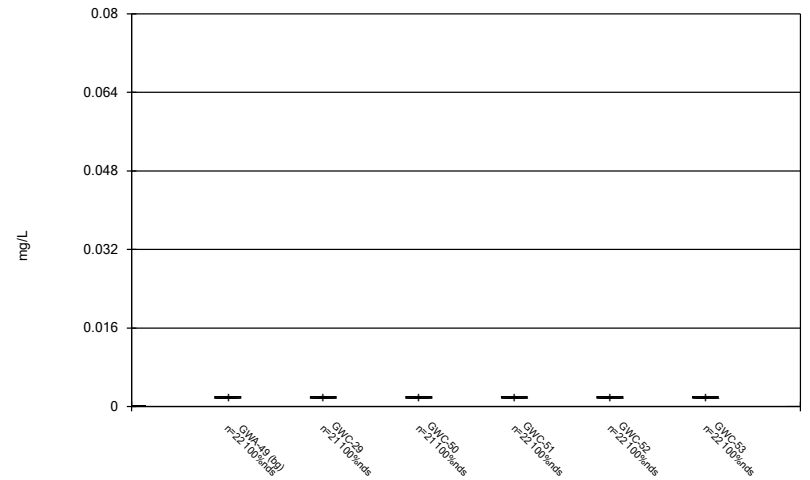
Constituent: Cobalt, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



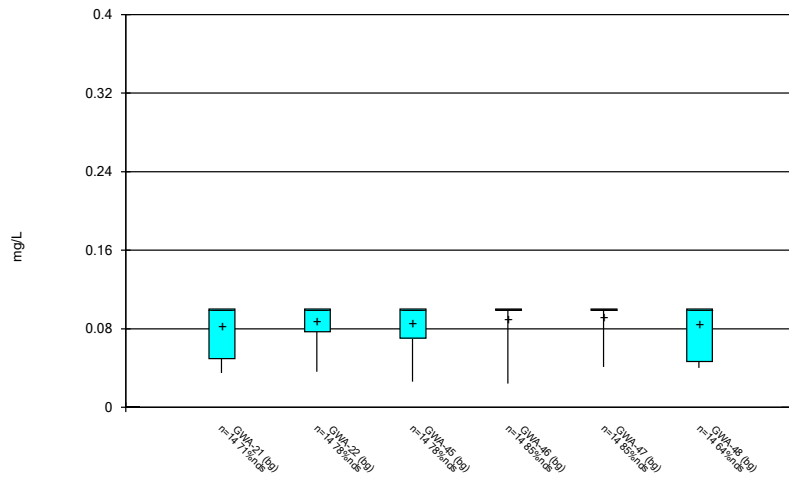
Constituent: Copper, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



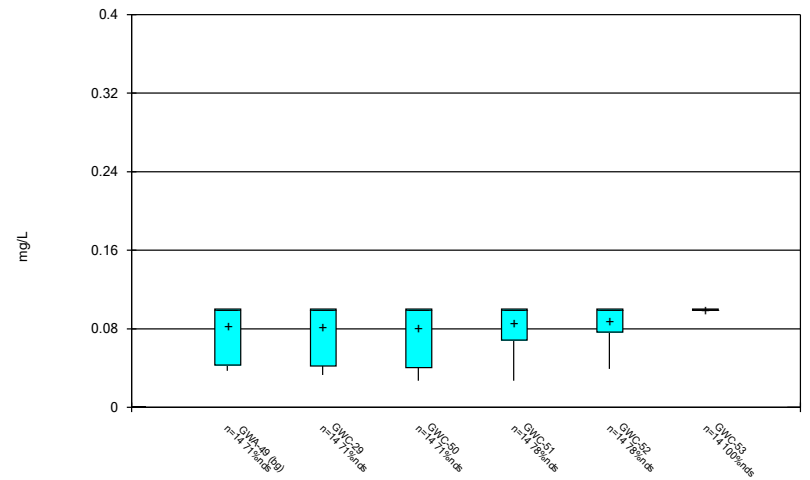
Constituent: Copper, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



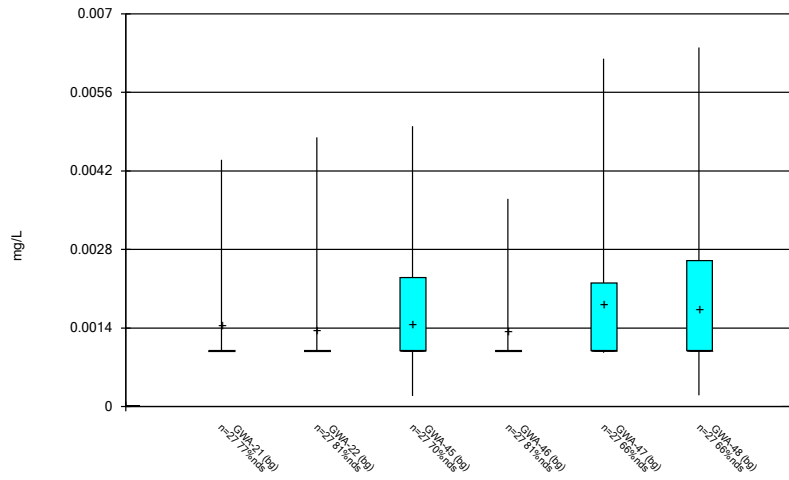
Constituent: Fluoride, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



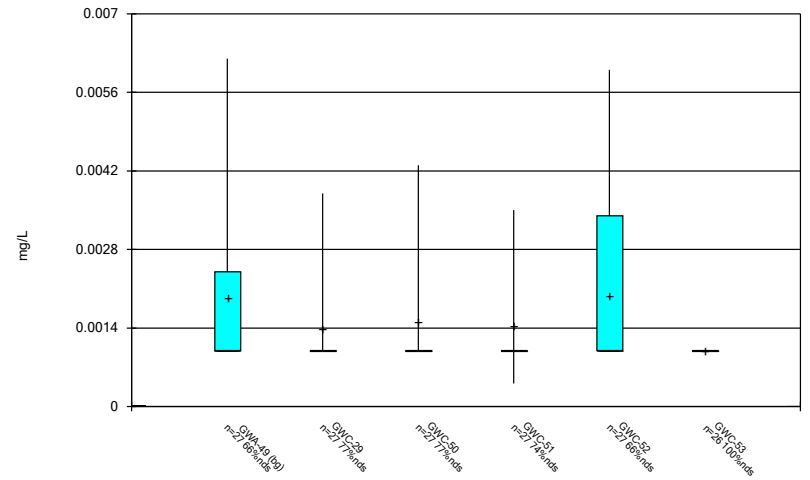
Constituent: Fluoride, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



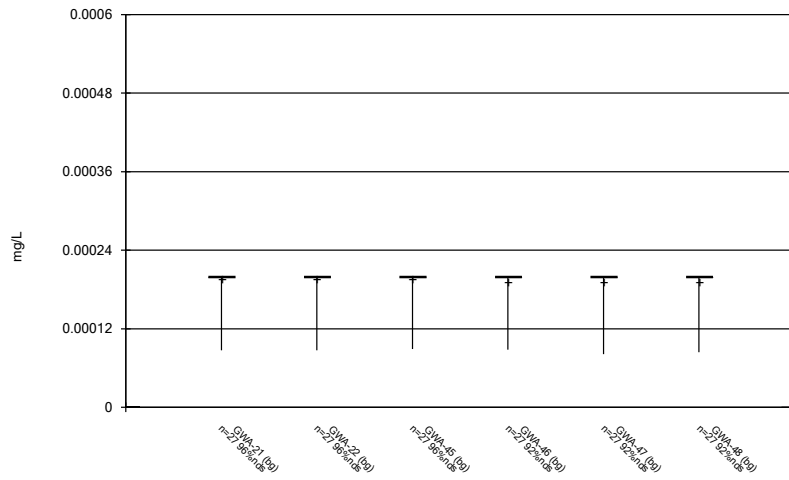
Constituent: Lead, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



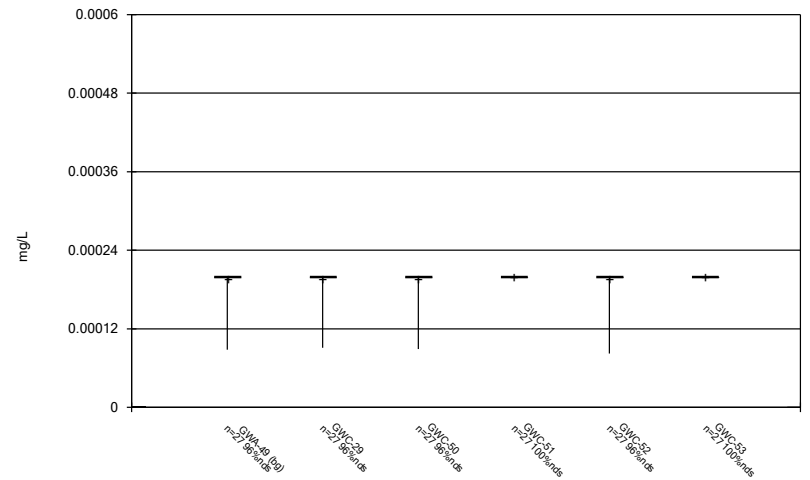
Constituent: Lead, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



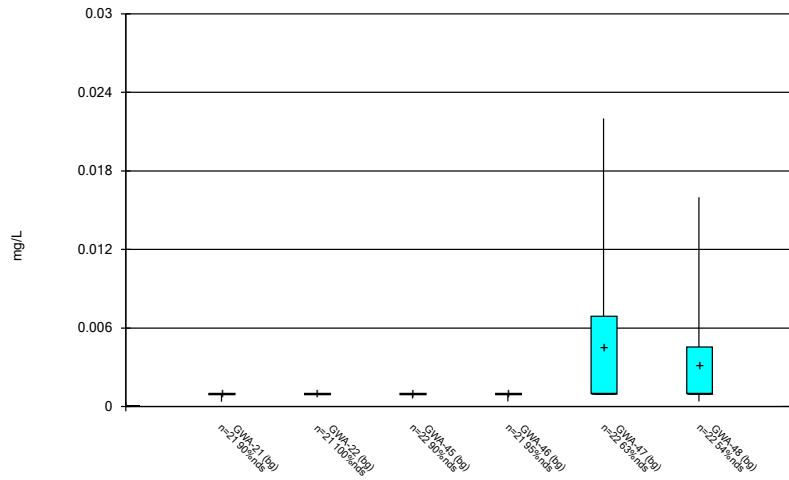
Constituent: Mercury, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



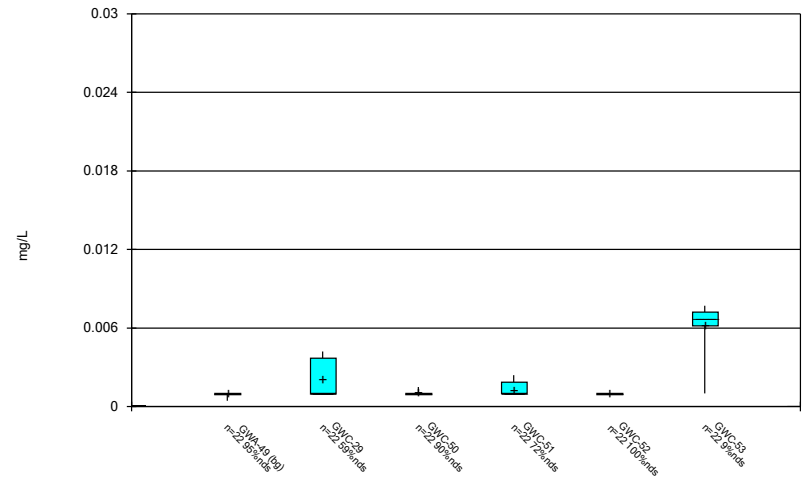
Constituent: Mercury, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



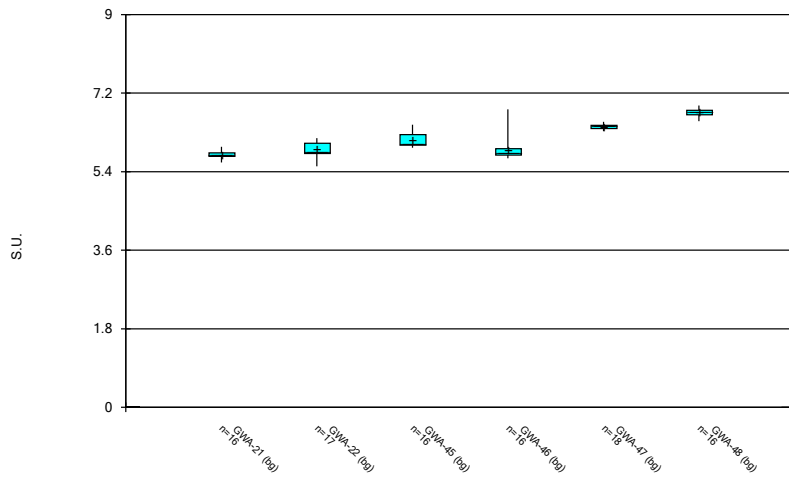
Constituent: Nickel, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



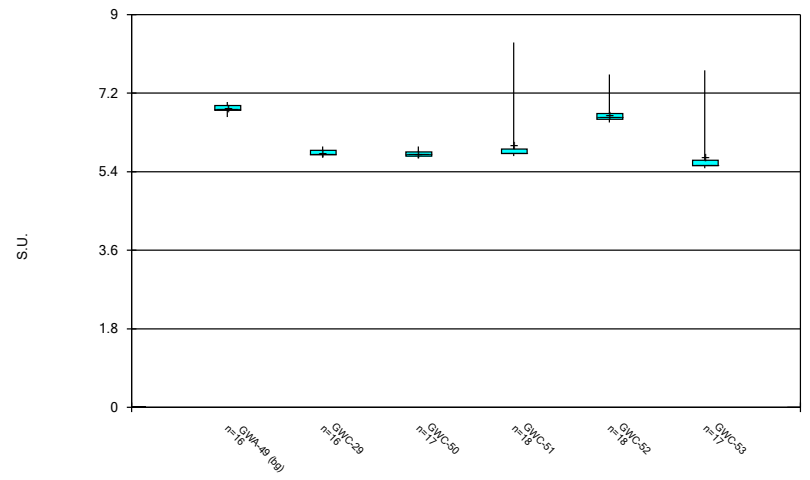
Constituent: Nickel, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



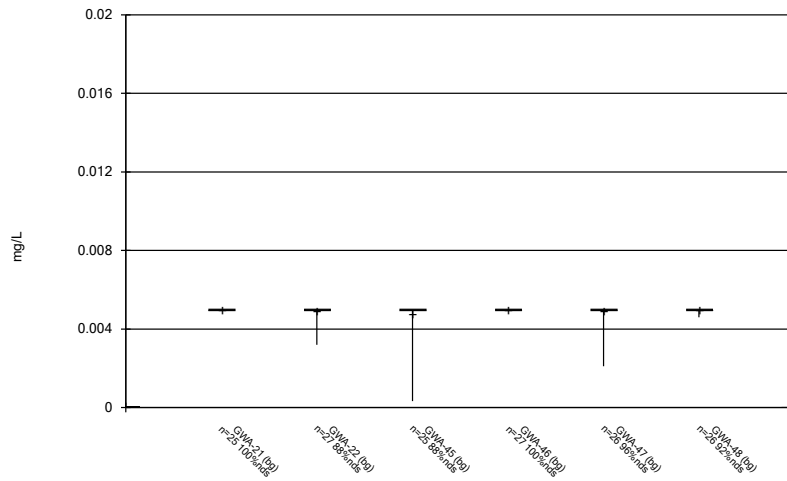
Constituent: pH Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



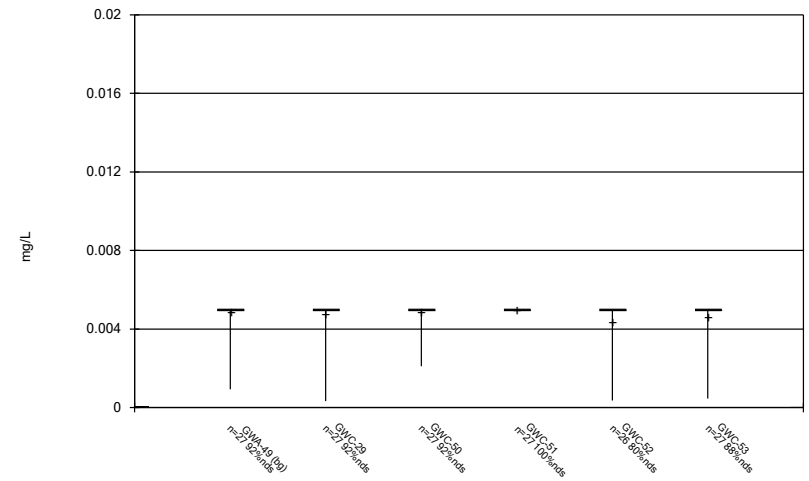
Constituent: pH Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



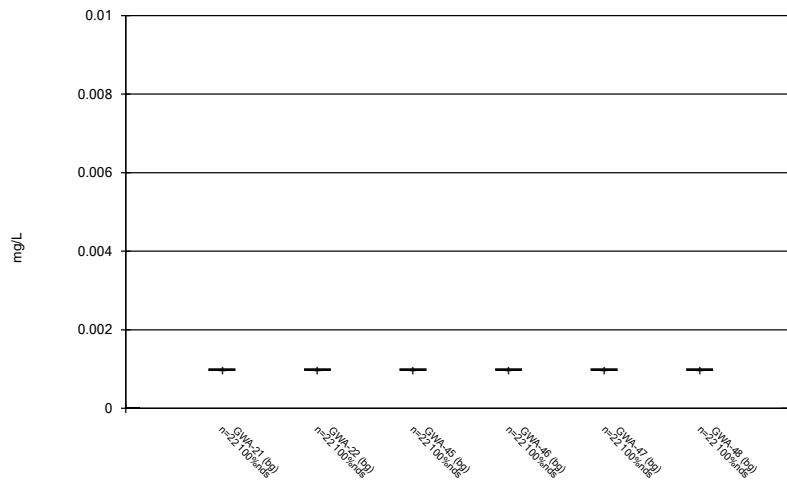
Constituent: Selenium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



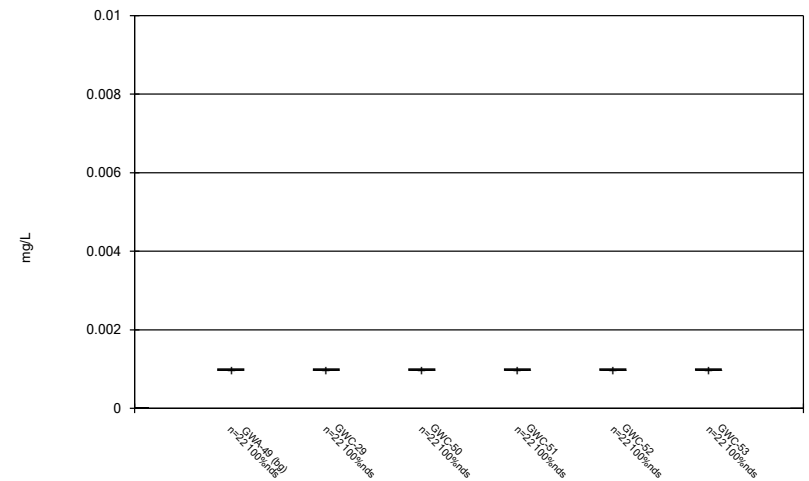
Constituent: Selenium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



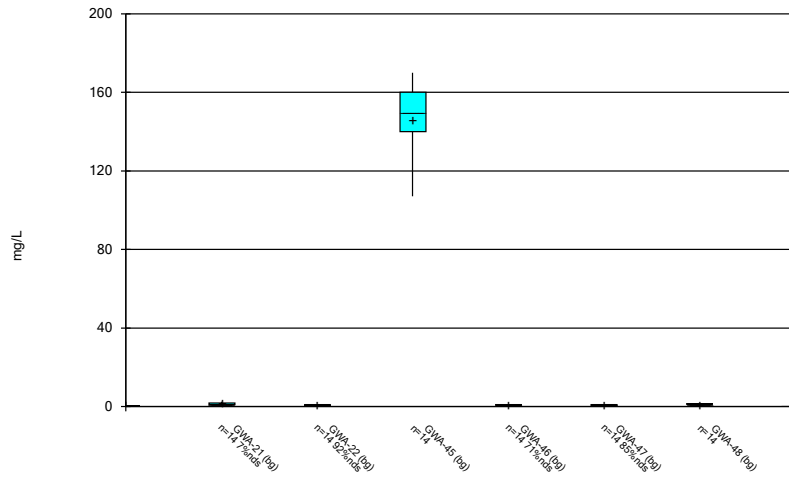
Constituent: Silver, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



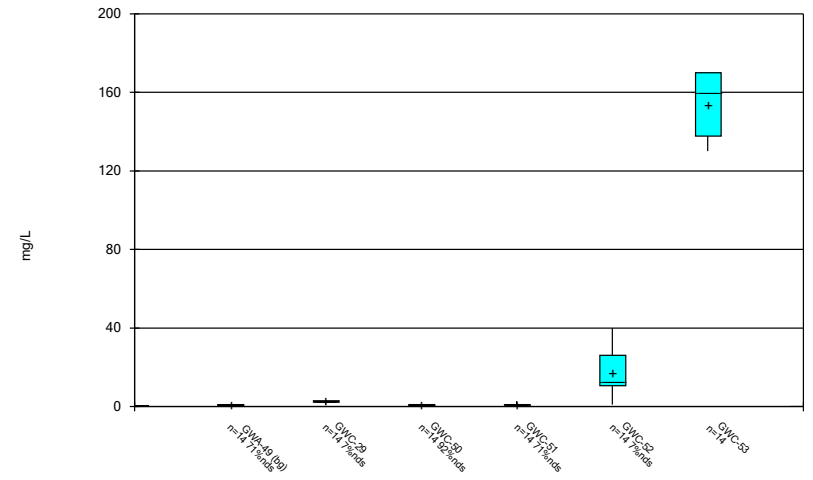
Constituent: Silver, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



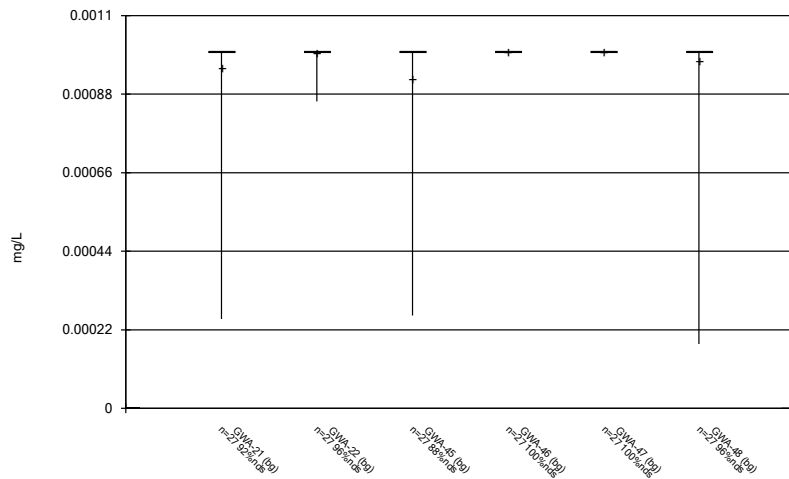
Constituent: Sulfate, total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



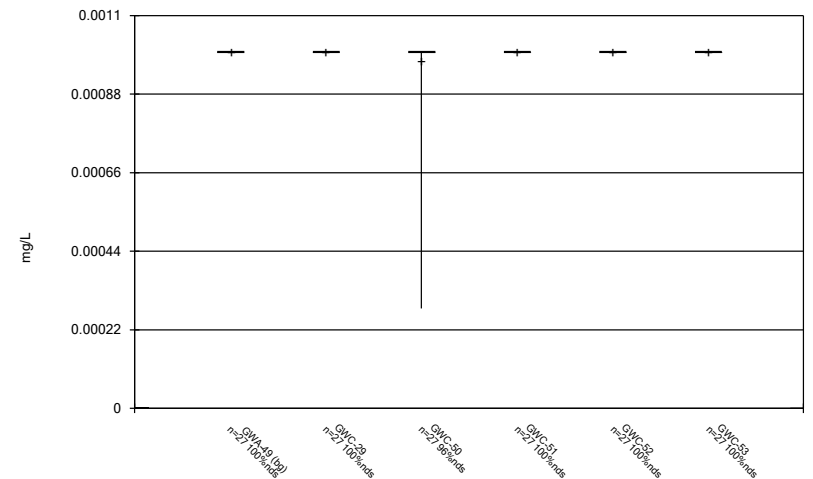
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



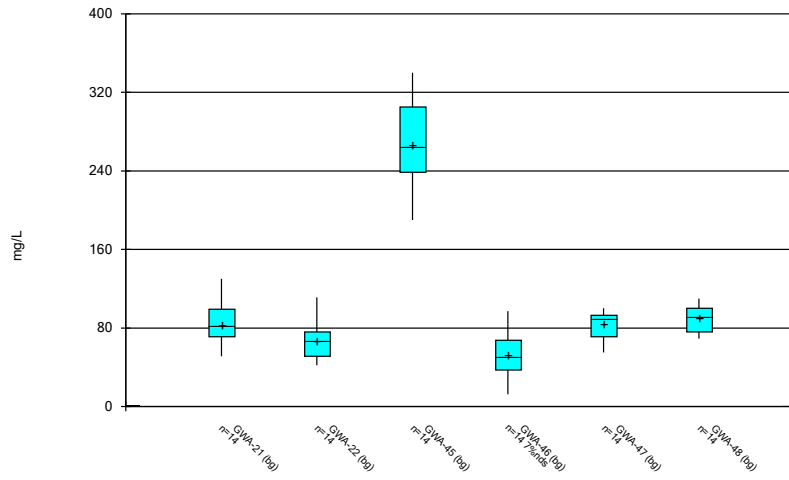
Constituent: Thallium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



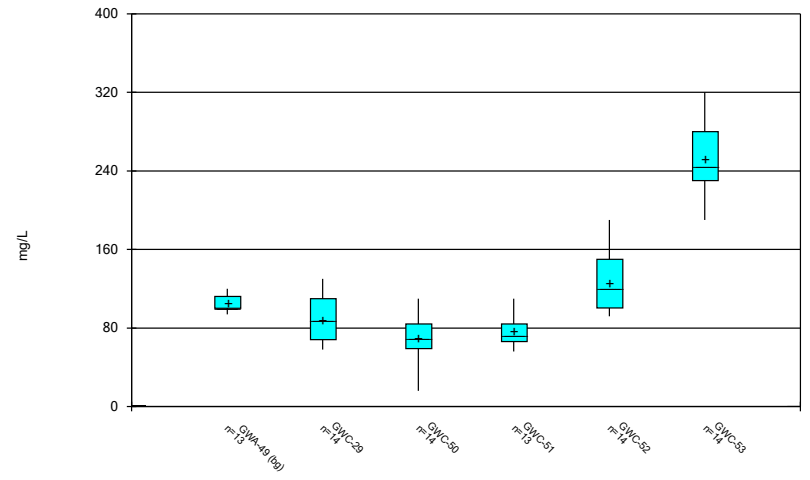
Constituent: Thallium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



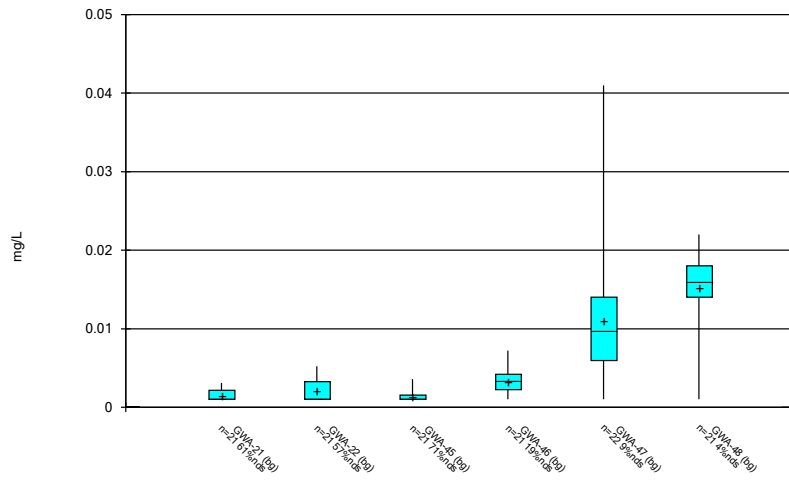
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



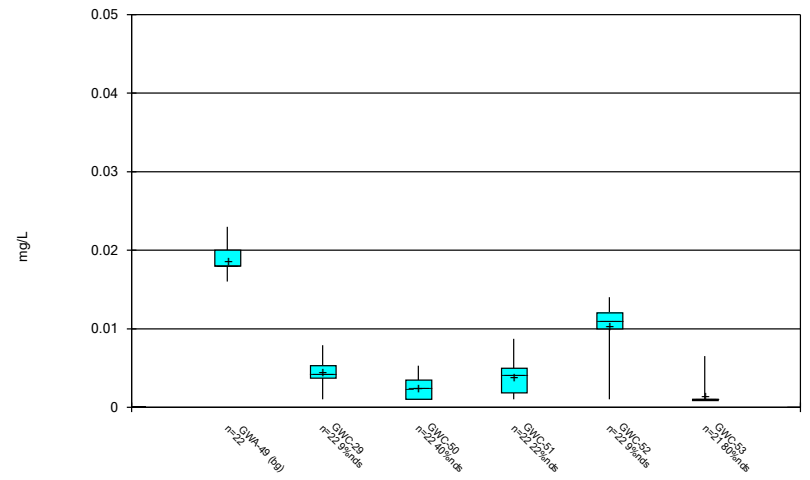
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



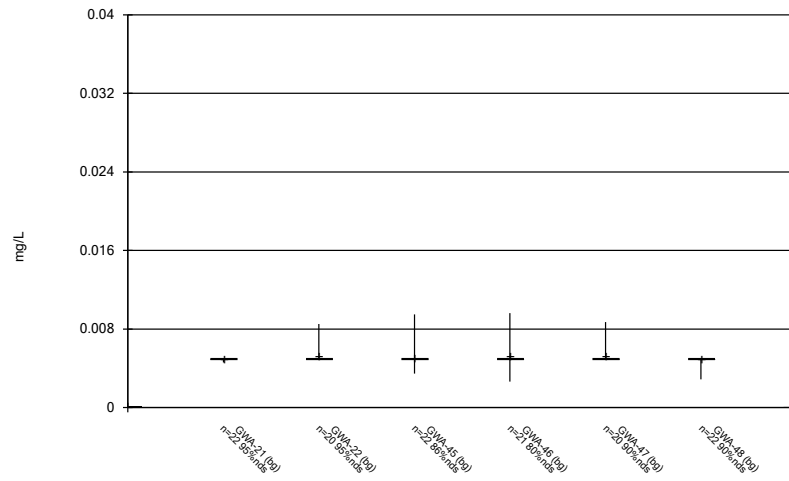
Constituent: Vanadium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



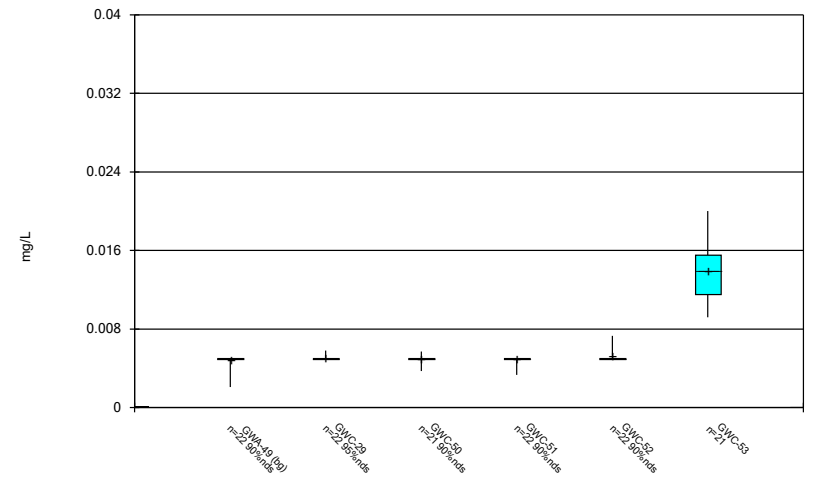
Constituent: Vanadium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



FIGURE C.







# Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:02 AM

Date	GWA-21 Vanadium, Total (mg/L)	GWA-22 Vanadium, Total (mg/L)	GWA-45 Vanadium, Total (mg/L)	GWA-46 Vanadium, Total (mg/L)	GWA-48 Vanadium, Total (mg/L)	GWC-53 Vanadium, Total (mg/L)	GWA-22 Zinc, Total (mg/L)	GWA-46 Zinc, Total (mg/L)	GWA-47 Zinc, Total (mg/L)	GWC-50 Zinc, Total (mg/L)
12/20/2010										
12/21/2010										
12/22/2010										
2/14/2011										
10/25/2011					0.012 (O)					
5/1/2012										
11/8/2012		0.0062 (O)		0.02 (O)				0.013 (O)		
11/4/2013										
11/5/2013										
5/23/2014									0.014 (O)	
5/20/2015										
5/21/2015										
5/22/2015										
11/13/2015						0.039 (O)				
4/8/2016					0.0136 (O)					
4/11/2016										
6/14/2016										
12/19/2016										
2/13/2017										
10/9/2017										
10/3/2018										
10/4/2018									0.0076 (O)	
3/27/2019	0.0072 (O)		0.0071 (O)							

FIGURE D.

# Intrawell Prediction Limit Summary (State) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 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)	GWA-45	0.05677	n/a	3/19/2020	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.0216	n/a	3/19/2020	0.023	Yes	23	0.01903	0.001165	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.01827	n/a	3/19/2020	0.019	Yes	24	0.01557	0.001235	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01427	n/a	3/19/2020	0.018	Yes	24	0.0001239	0.000036470		None	x^2	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01528	n/a	3/19/2020	0.029	Yes	24	0.00975	0.002526	4.167	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0028	n/a	3/19/2020	0.003	Yes	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 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)	GWA-45	0.0015	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	3/19/2020	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02924	n/a	3/19/2020	0.027	No	23	0.02234	0.003125	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.03048	n/a	3/19/2020	0.024	No	24	0.02464	0.002664	0	None	No	0.0008101	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05677</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.11</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>0.0008101</b>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.0216</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.023</b>	<b>Yes</b>	<b>23</b>	<b>0.01903</b>	<b>0.001165</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWA-47	0.04903	n/a	3/20/2020	0.029	No	23	0.3093	0.02571	0	None	x^(1/3)	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	3/19/2020	0.02	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02218	n/a	3/19/2020	0.02	No	24	0.01917	0.001375	0	None	No	0.0008101	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.01827</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.019</b>	<b>Yes</b>	<b>24</b>	<b>0.01557</b>	<b>0.001235</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-50	0.01411	n/a	3/19/2020	0.013	No	24	0.01153	0.001179	0	None	No	0.0008101	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.013	n/a	3/19/2020	0.011	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01427</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.018</b>	<b>Yes</b>	<b>24</b>	<b>0.0001239</b>	<b>0.000036470</b>	<b>None</b>	<b>None</b>	<b>x^2</b>	<b>0.0008101</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-53	0.1167	n/a	3/19/2020	0.047	No	24	-2.78	0.2886	8.333	None	ln(x)	0.0008101	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	3/20/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008932	n/a	3/19/2020	0.0026	No	24	0.05569	0.01773	16.67	Kaplan-Meier	sqrt(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01114	n/a	3/19/2020	0.011	No	24	0.006342	0.002193	8.333	None	No	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.00806	n/a	3/19/2020	0.0043	No	24	-5.349	0.2412	4.167	None	ln(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	3/20/2020	0.0085	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	3/19/2020	0.0063	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009411	n/a	3/19/2020	0.0055	No	24	0.07821	0.008586	4.167	None	sqrt(x)	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.00633	n/a	3/19/2020	0.0047	No	24	0.004458	0.0008549	8.333	None	No	0.0008101	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005894	n/a	3/19/2020	0.0032	No	24	0.003479	0.001103	12.5	None	No	0.0008101	Param Intra 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01528</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.029</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>0.0008101</b>	<b>Param Intra 1 of 2</b>
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	3/19/2020	0.00015J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	3/19/2020	0.0025ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01254	n/a	3/19/2020	0.0005J	No	24	-5.768	0.6346	29.17	Kaplan-Meier	ln(x)	0.0008101	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0004	n/a	3/19/2020	0.00025J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	3/20/2020	0.0025ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.00017	n/a	3/19/2020	0.00029J	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0025ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01688	n/a	3/19/2020	0.0083	No	24	0.008567	0.003795	8.333	None	No	0.0008101	Param Intra 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	n/a	3/19/2020	0.00019J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	n/a	3/20/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	n/a	3/19/2020	0.0002J	No	24	n/a	n/a	66.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2



# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead, Total (mg/L)	GWC-52	0.006	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	3/20/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	3/19/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	3/19/2020	0.00037J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	3/19/2020	0.00074J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	3/19/2020	0.001ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	3/20/2020	0.001ND	No	19	n/a	n/a	57.89	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	3/19/2020	0.0004J	No	19	n/a	n/a	52.63	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	3/19/2020	0.001ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	3/19/2020	0.0039	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	3/19/2020	0.0015	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	3/19/2020	0.0021	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008351	n/a	3/19/2020	0.007	No	19	0.006747	0.0007019	10.53	None	No	0.0008101	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	3/19/2020	0.005ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	3/20/2020	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	3/19/2020	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	3/19/2020	0.005ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	3/19/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.00032	n/a	3/19/2020	0.00036J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.00015	n/a	3/19/2020	0.00018J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	3/19/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
<b>Vanadium, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.0028</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>0.003</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>68.42</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	3/19/2020	0.0052	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	3/19/2020	0.0031	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.005858	n/a	3/19/2020	0.0033	No	18	0.003403	0.001061	22.22	Kaplan-Meier	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.03346	n/a	3/20/2020	0.0086	No	19	0.1031	0.03492	10.53	None	sqrt(x)	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02231	n/a	3/19/2020	0.019	No	18	0.01494	0.003186	5.556	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02256	n/a	3/19/2020	0.02	No	19	0.01838	0.00183	0	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.006807	n/a	3/19/2020	0.0044	No	19	0.00459	0.0009702	10.53	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.0044	n/a	3/19/2020	0.0027	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.006531	n/a	3/19/2020	0.0046	No	19	0.004314	0.0009703	26.32	Kaplan-Meier	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01402	n/a	3/19/2020	0.01	No	19	0.01127	0.001205	10.53	None	No	0.0008101	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	3/19/2020	0.001ND	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.005	n/a	3/19/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0065	n/a	3/19/2020	0.0037J	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

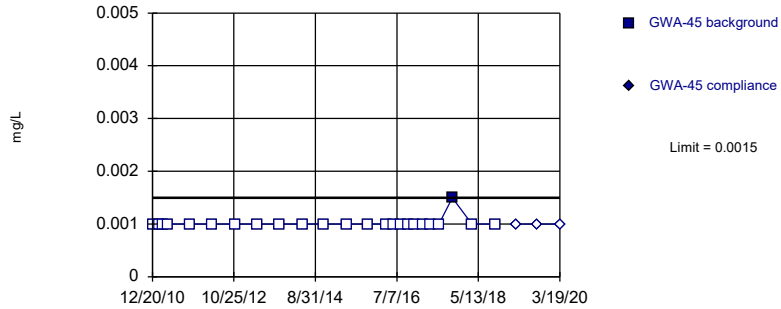
# Intrawell Prediction Limit Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:09 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	3/19/2020	0.0035J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	3/20/2020	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0065	n/a	3/19/2020	0.0037J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0065	n/a	3/19/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02001	n/a	3/19/2020	0.014	No	18	0.01363	0.002756	0	None	No	0.0008101	Param Intra 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

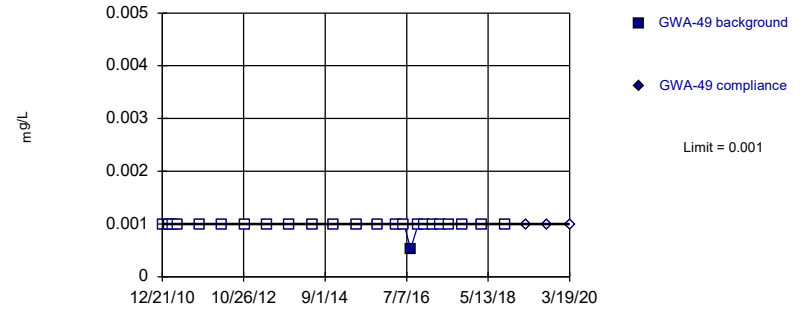


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/20/2020 9:02 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

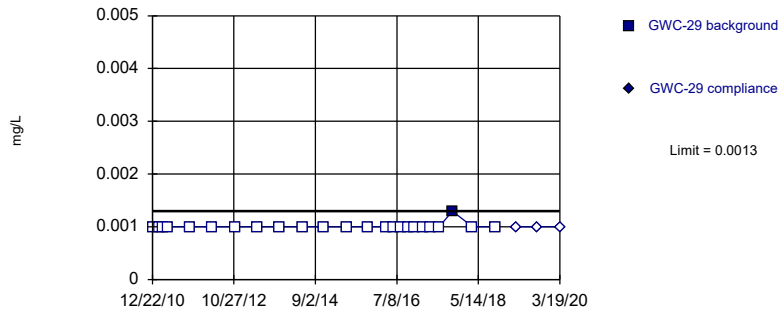


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/20/2020 9:02 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

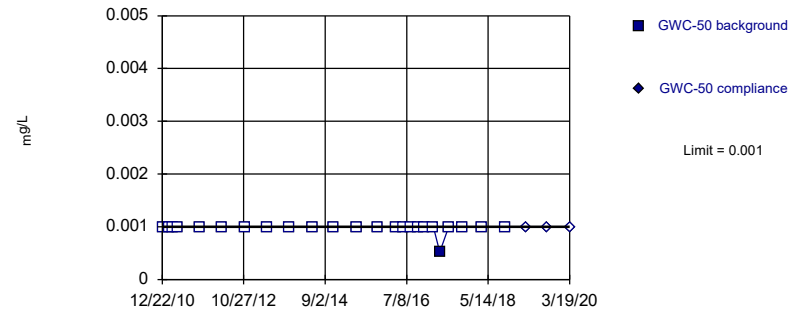


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/20/2020 9:02 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

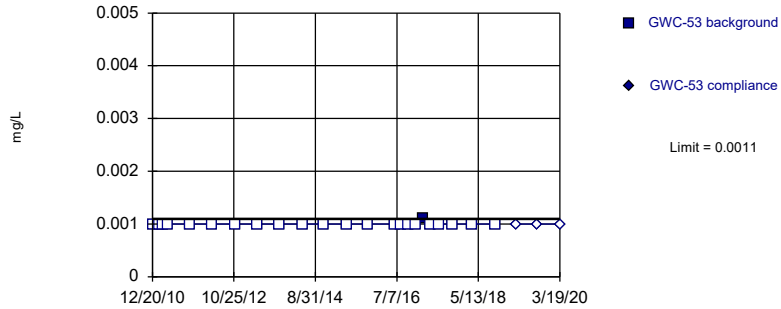


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/20/2020 9:02 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

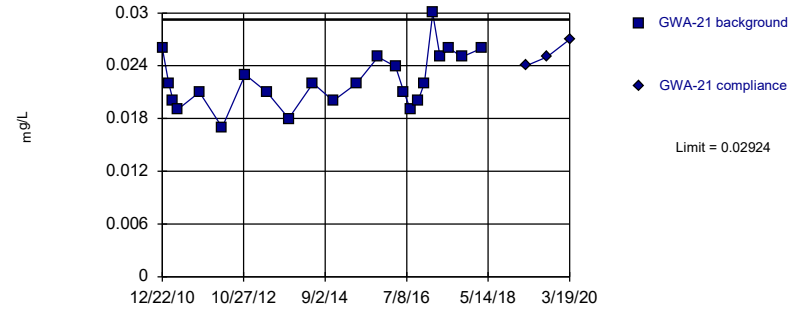


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

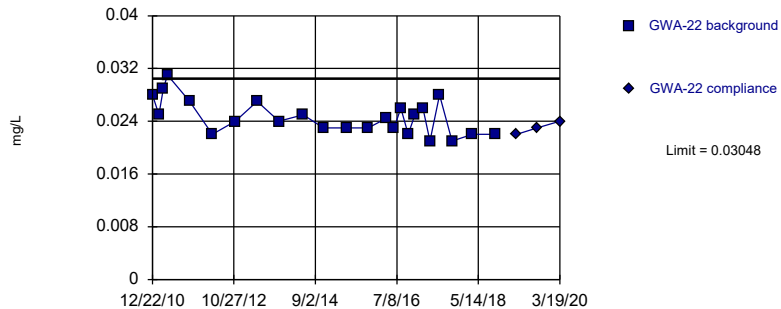


Background Data Summary: Mean=0.02234, Std. Dev.=0.003125, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9634, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

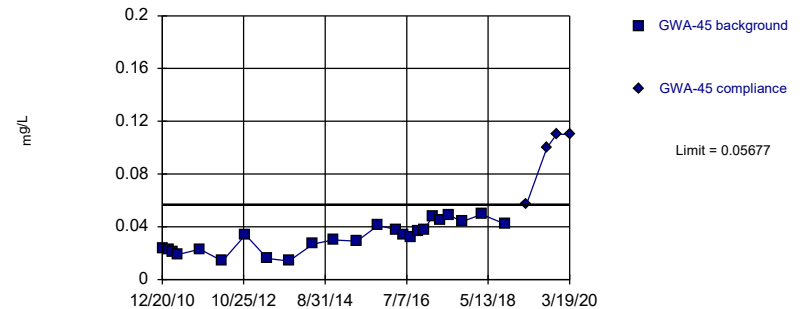


Background Data Summary: Mean=0.02464, Std. Dev.=0.002664, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9447, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
 Intrawell Parametric

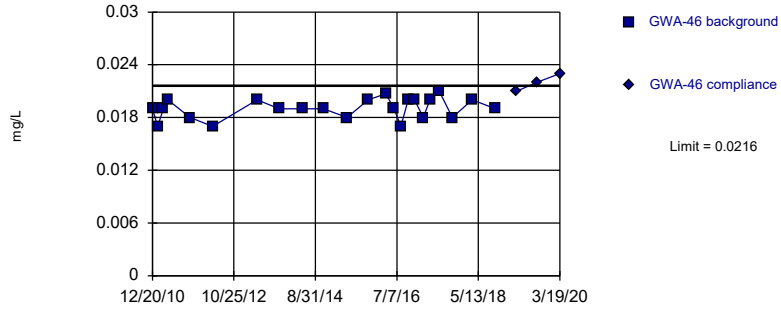


Background Data Summary: Mean=0.03215, Std. Dev.=0.01125, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

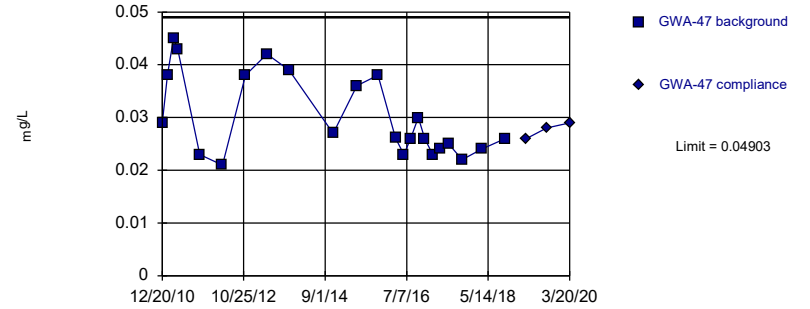


Background Data Summary: Mean=0.01903, Std. Dev.=0.001165, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

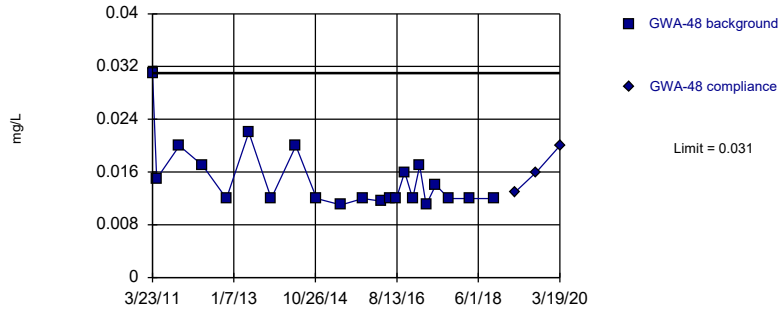


Background Data Summary (based on cube root transformation): Mean=0.3093, Std. Dev.=0.02571, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8825, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

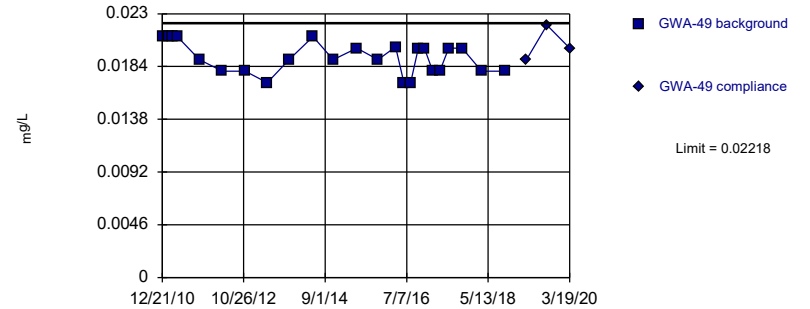


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

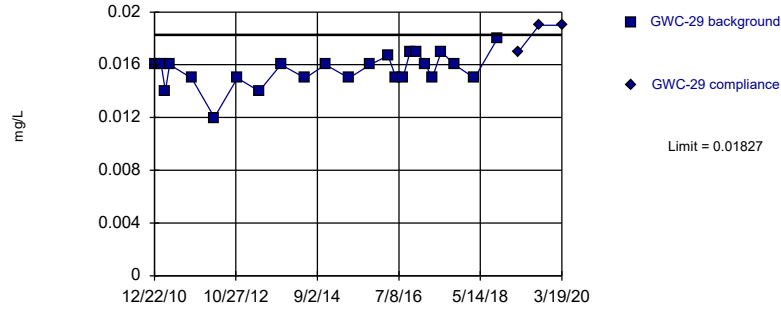


Background Data Summary: Mean=0.01917, Std. Dev.=0.001375, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8973, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

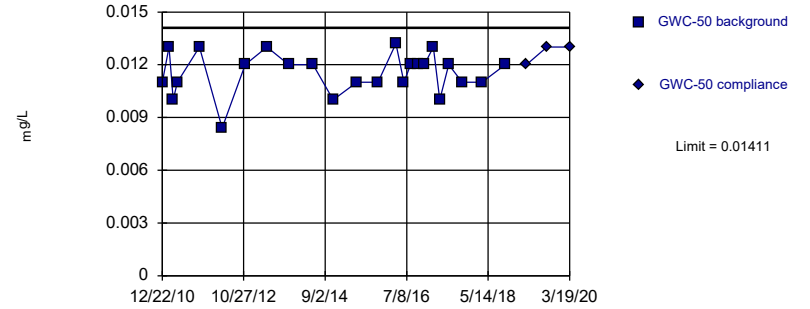


Background Data Summary: Mean=0.01557, Std. Dev.=0.001235, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9152, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:02 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

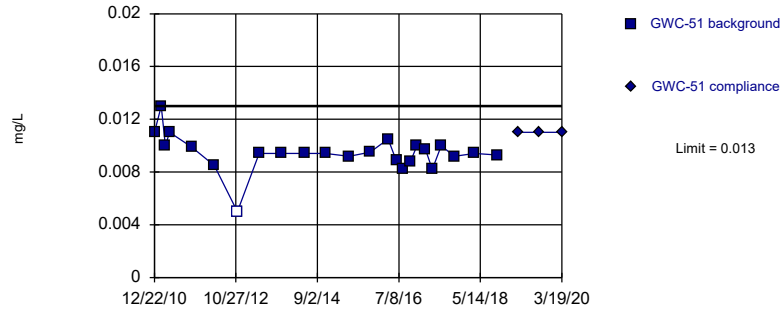


Background Data Summary: Mean=0.01153, Std. Dev.=0.001179, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.91, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

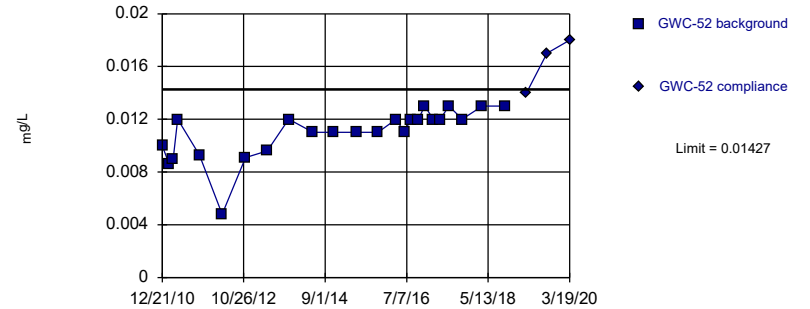


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Barium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

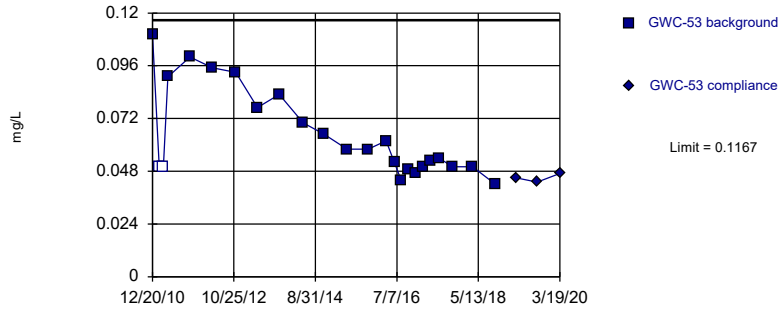


Background Data Summary (based on square transformation): Mean=0.0001239, Std. Dev.=0.00003647, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

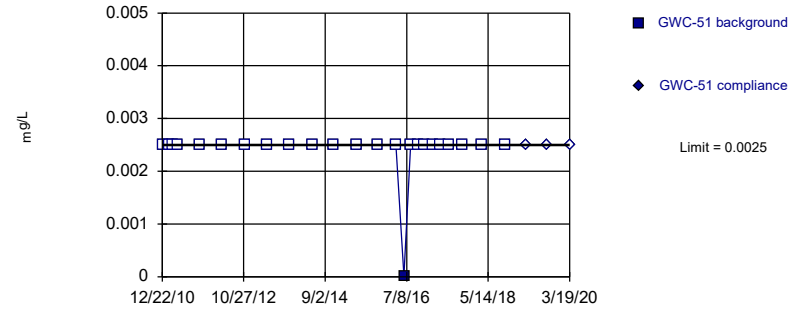


Background Data Summary (based on natural log transformation): Mean=-2.78, Std. Dev.=0.2886, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Barium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

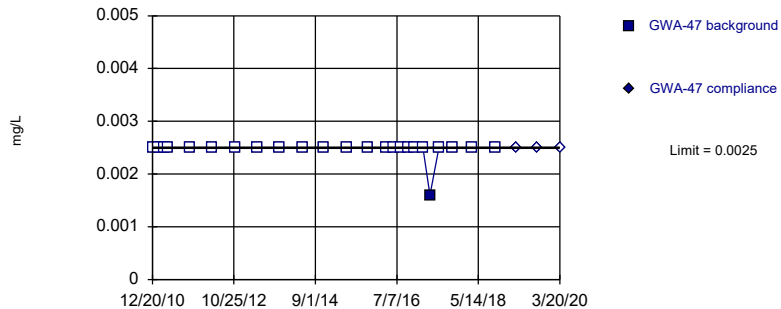


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

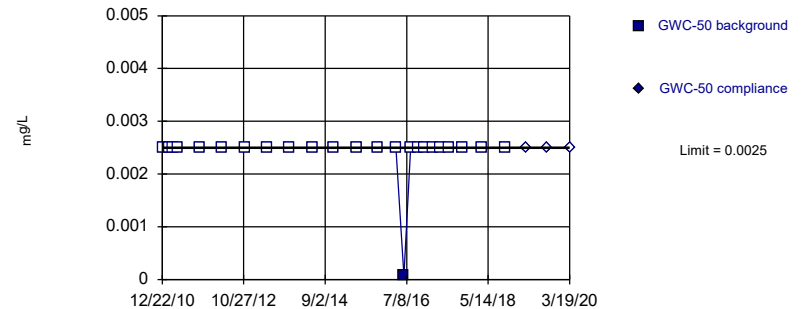


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

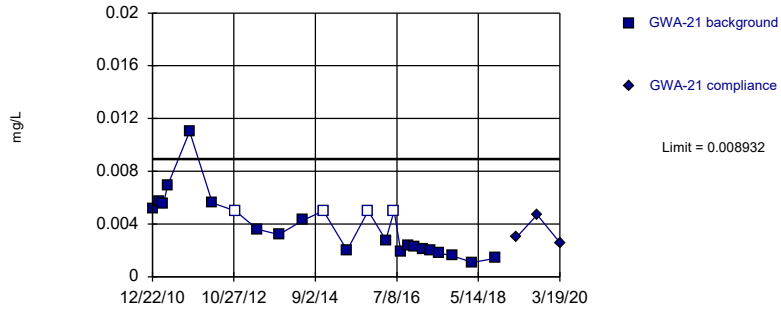


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

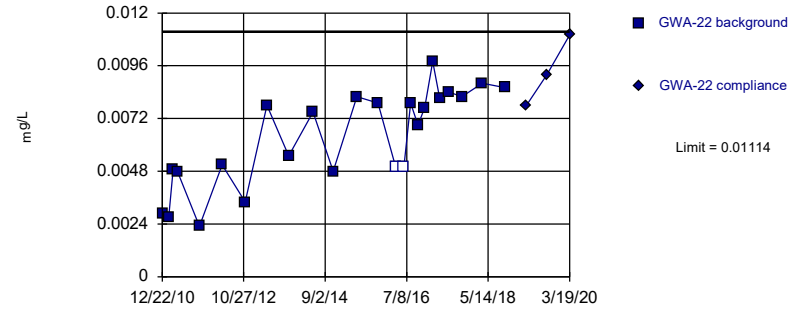


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05569, Std. Dev.=0.01773, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

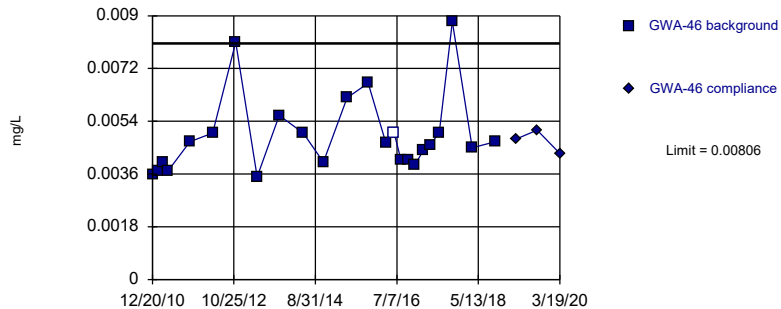


Background Data Summary: Mean=0.006342, Std. Dev.=0.002193, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

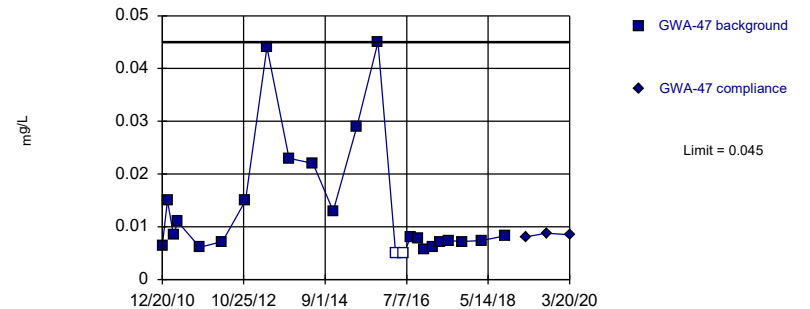


Background Data Summary (based on natural log transformation): Mean=-5.349, Std. Dev.=0.2412, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8955, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



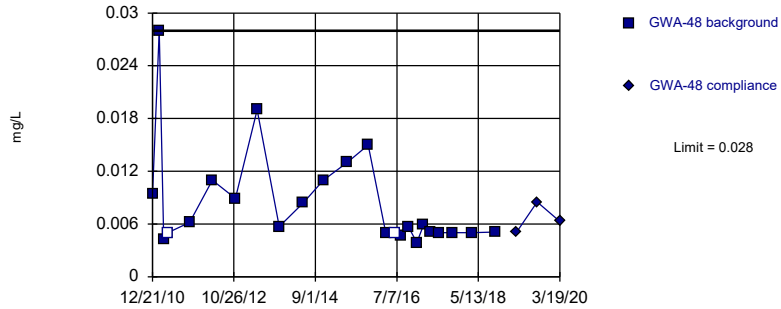
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

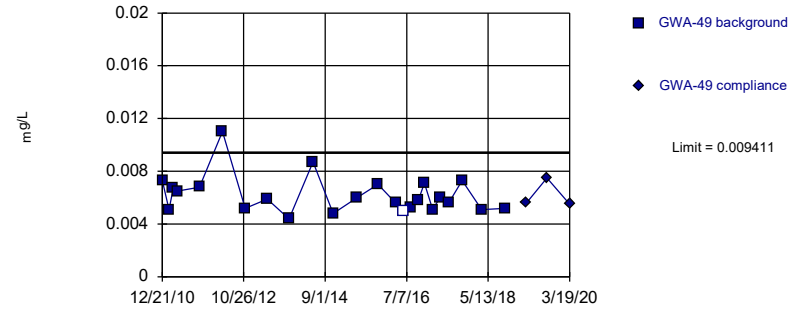


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

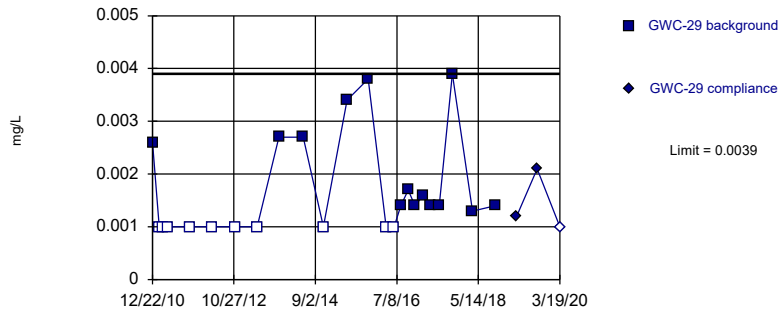


Background Data Summary (based on square root transformation): Mean=0.007821, Std. Dev.=0.008586, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

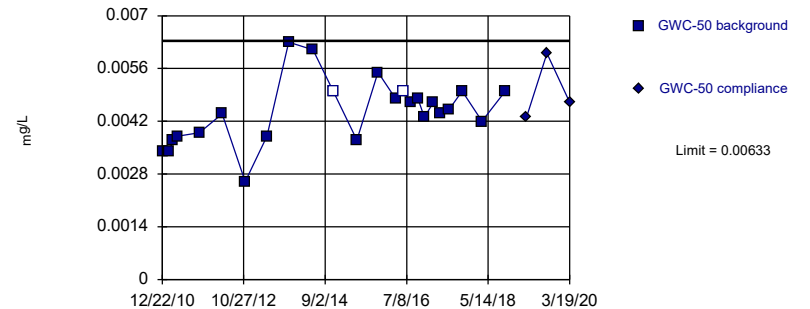


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

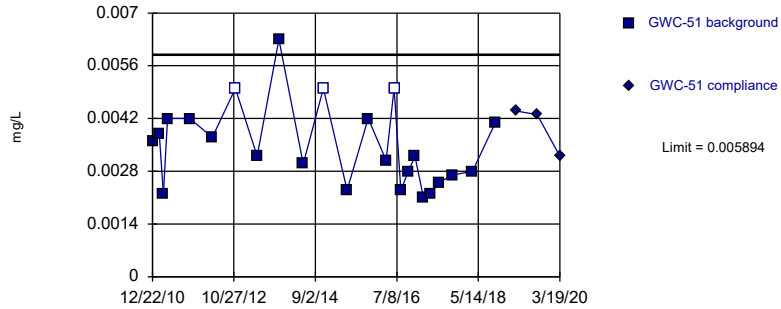


Background Data Summary: Mean=0.004458, Std. Dev.=0.0008549, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9742, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

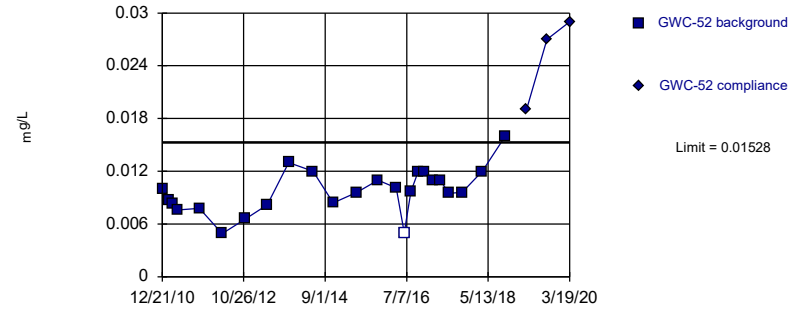


Background Data Summary: Mean=0.003479, Std. Dev.=0.001103, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

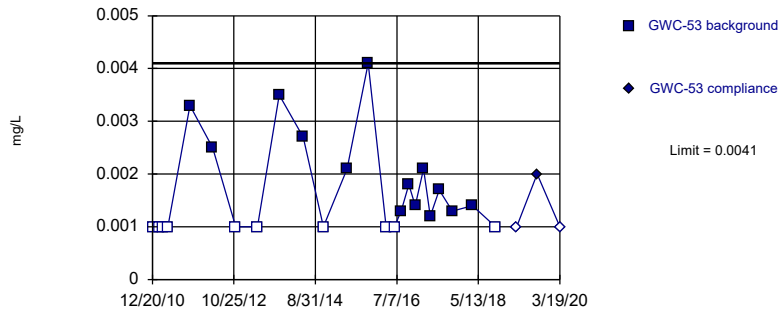


Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

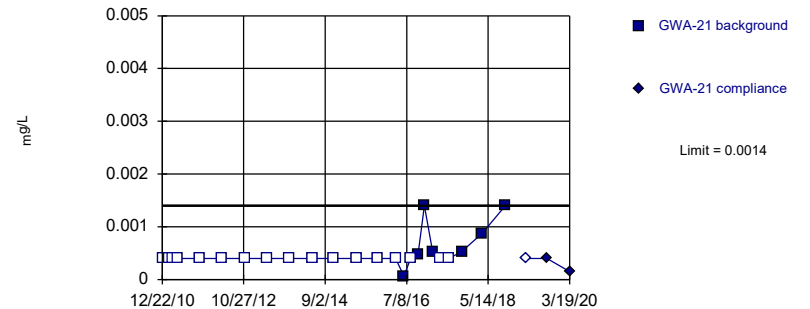


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

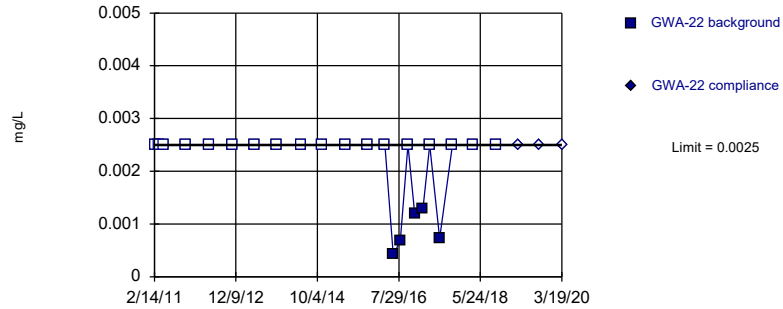


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

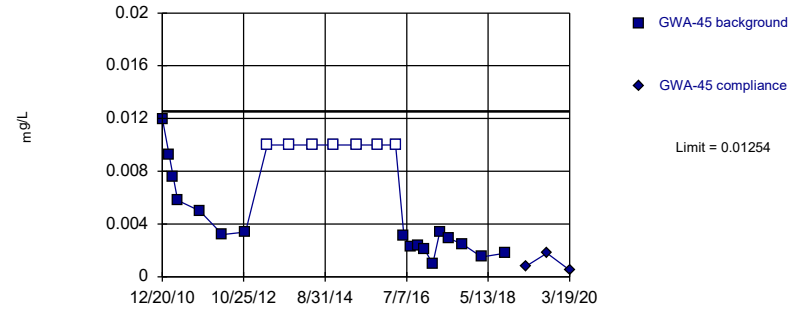


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

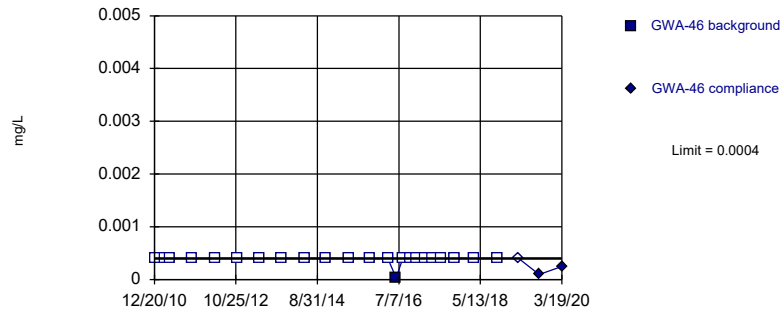


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.768, Std. Dev.=0.6346, n=24, 29.17% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

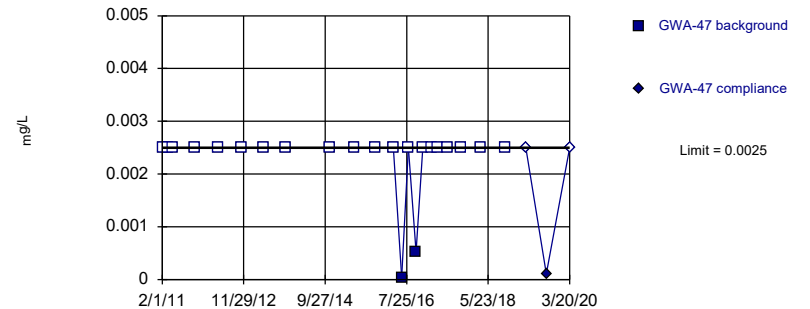


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

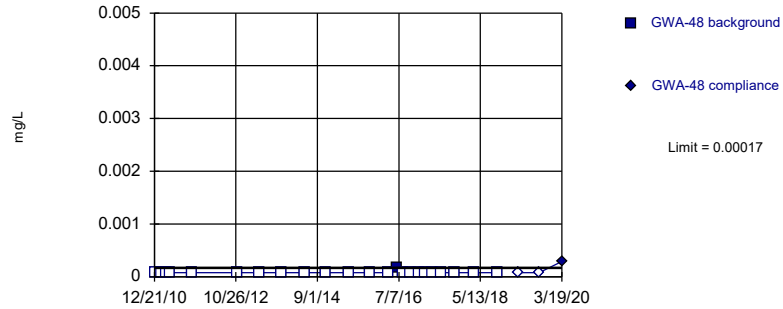


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

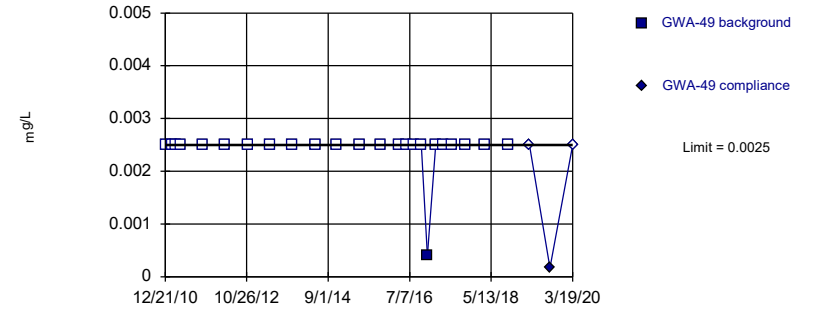


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

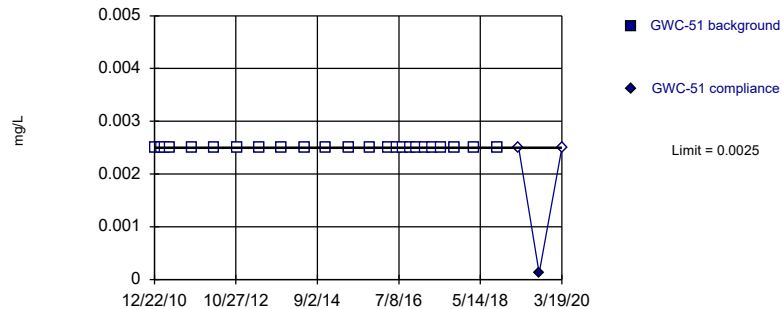


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

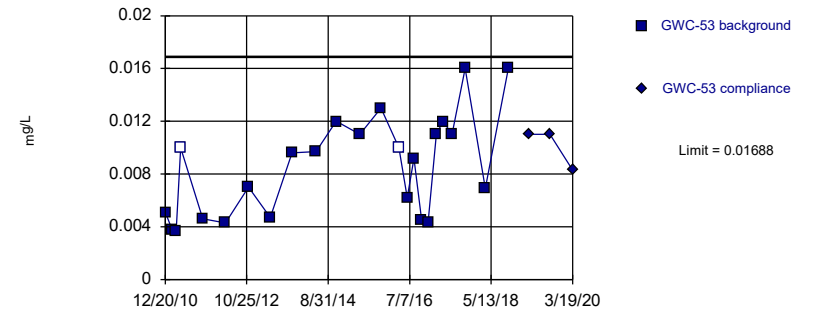


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

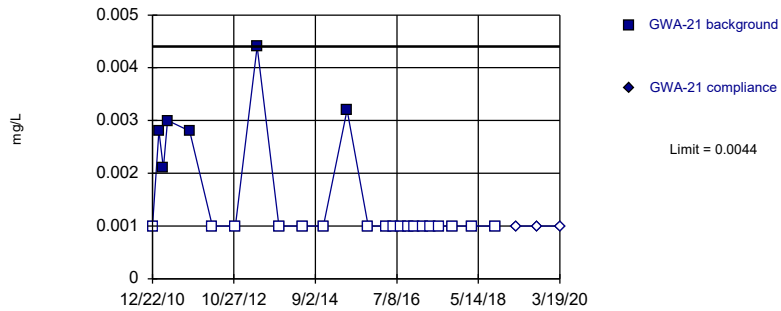


Background Data Summary: Mean=0.008567, Std. Dev.=0.003795, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Cobalt, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

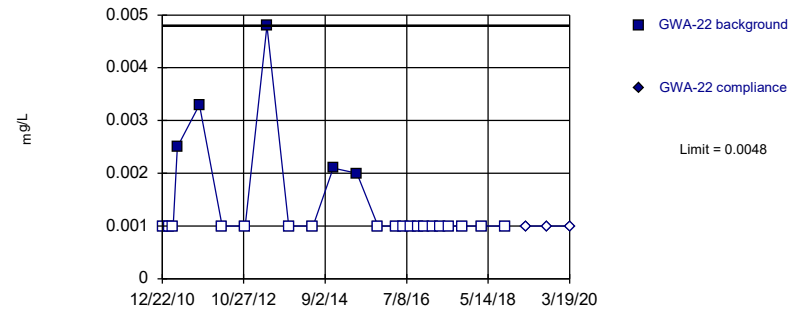


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

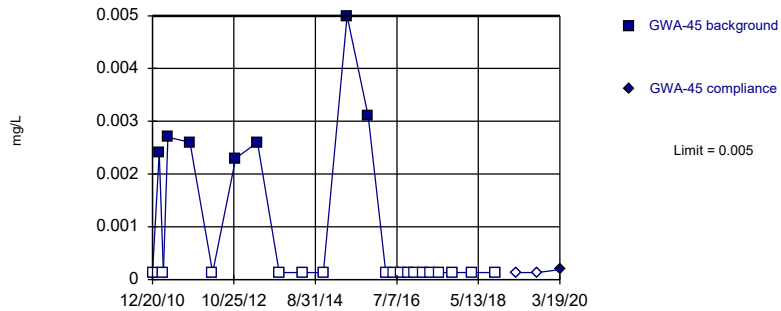


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

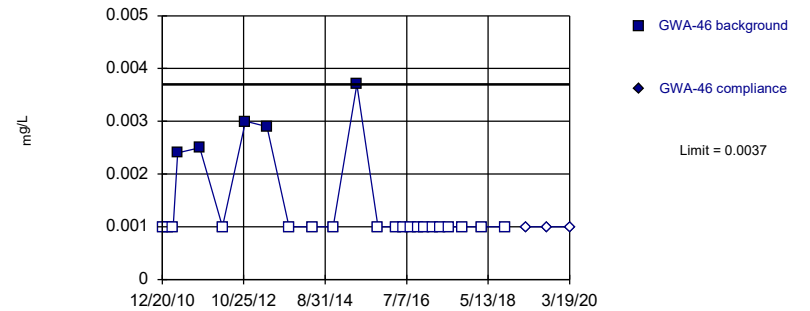


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

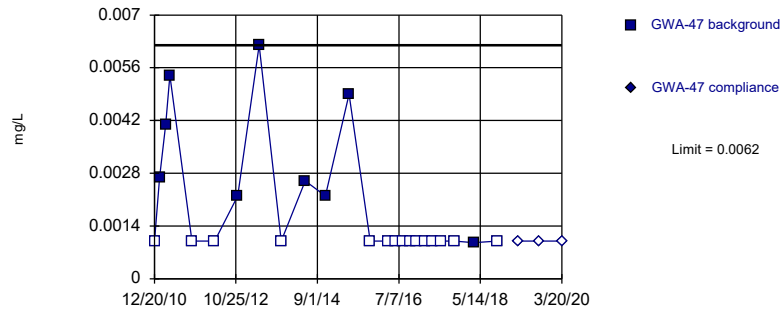


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

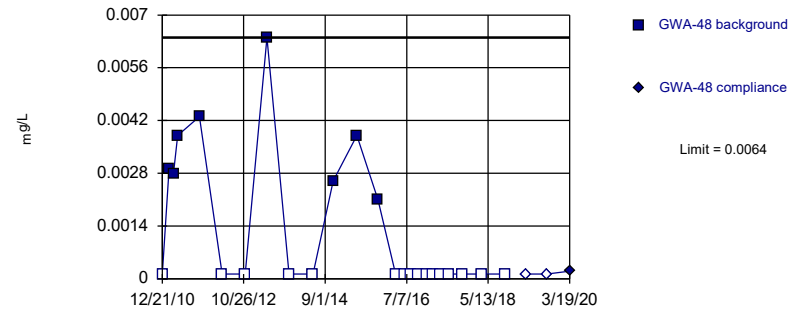


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

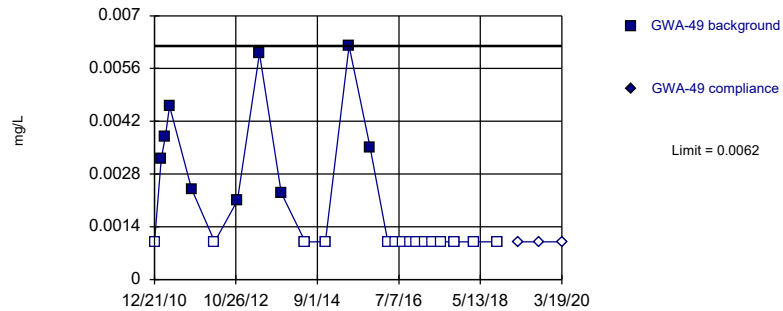


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

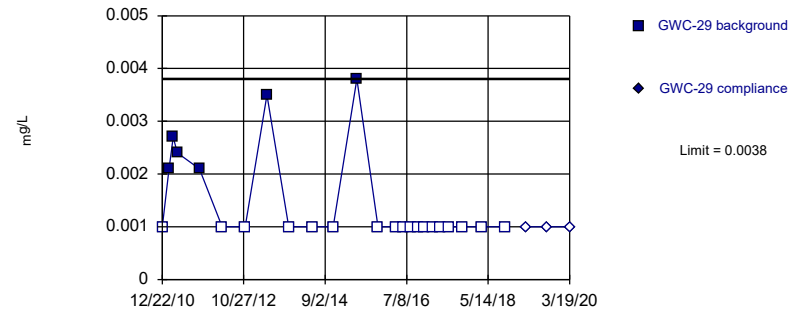


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

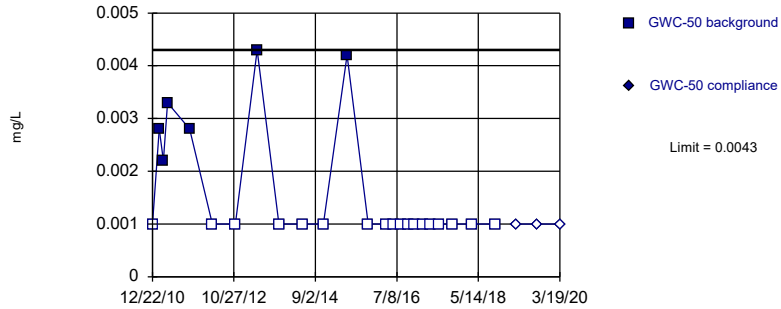


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

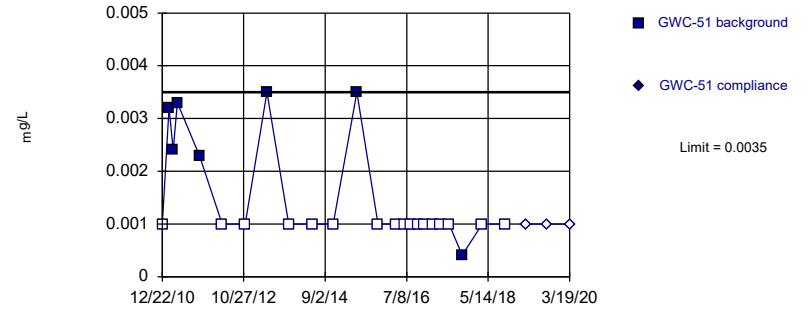


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

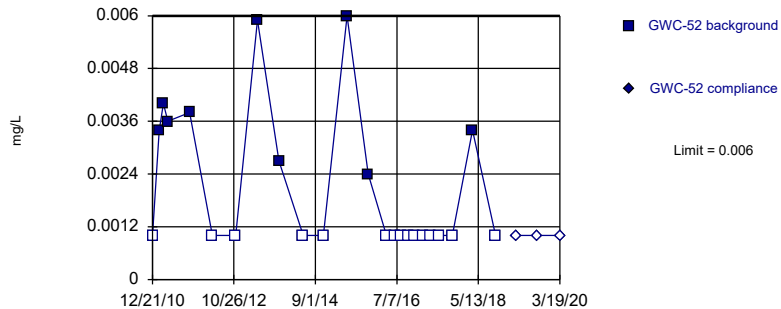


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

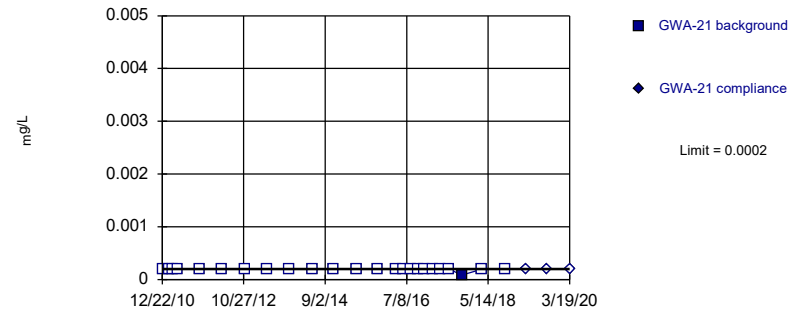


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

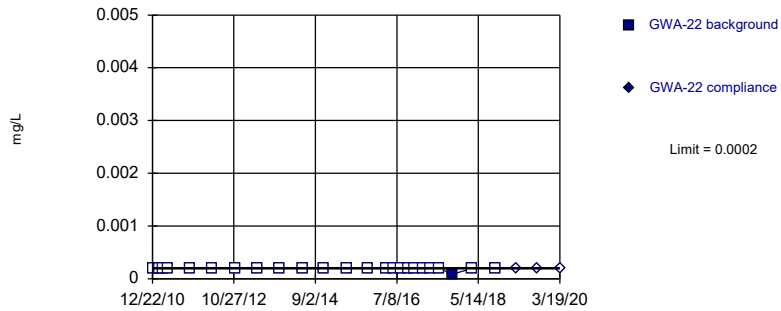


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

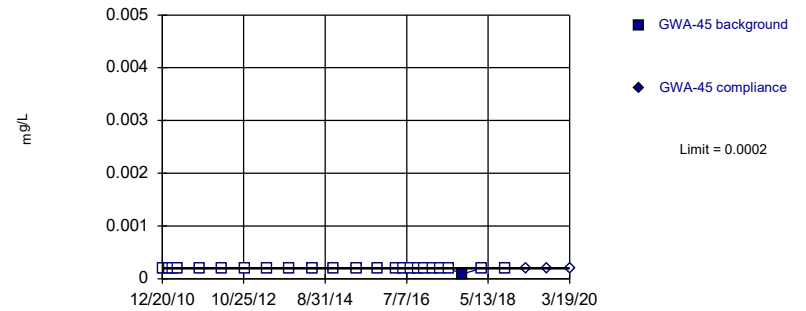


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

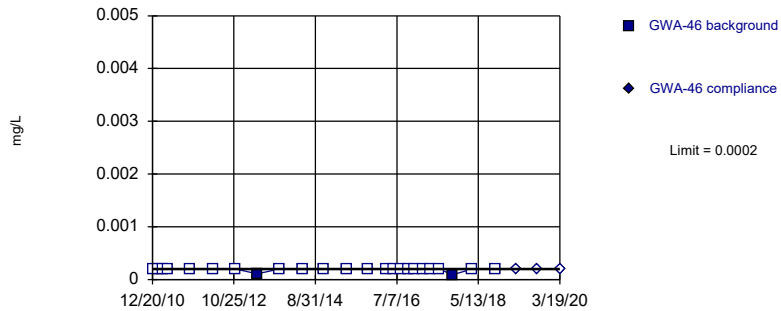


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

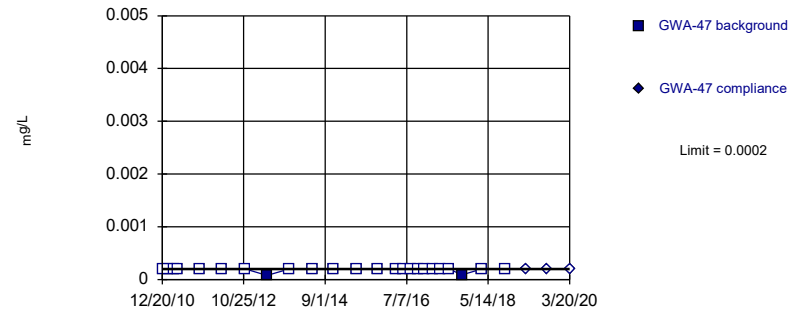


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



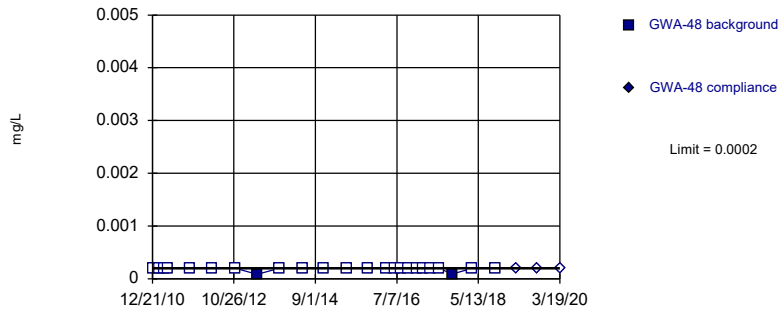
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

### Prediction Limit Intrawell Non-parametric

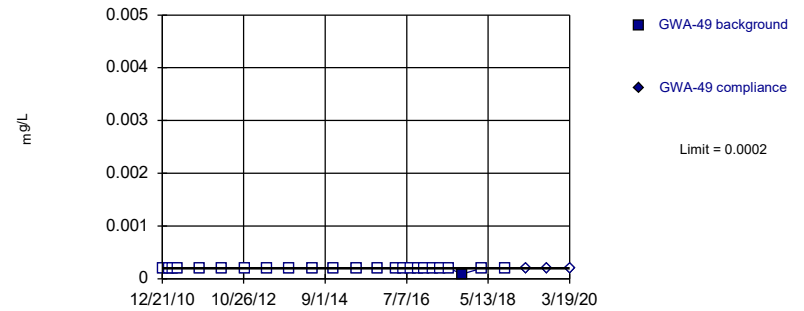


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

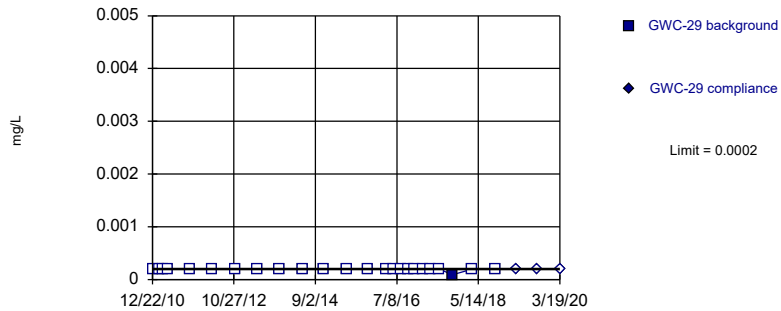


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

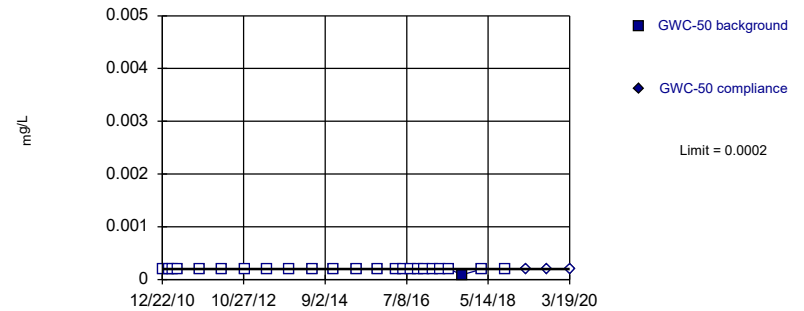


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

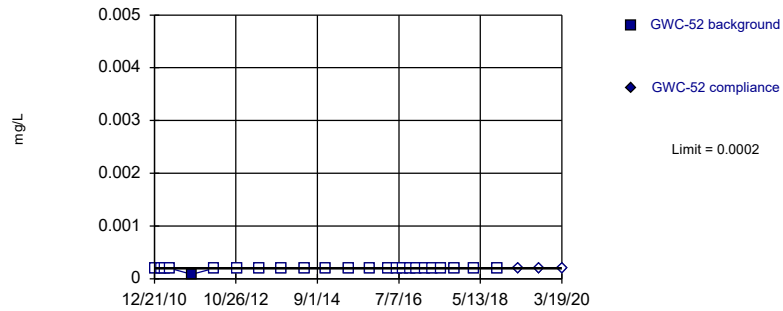


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

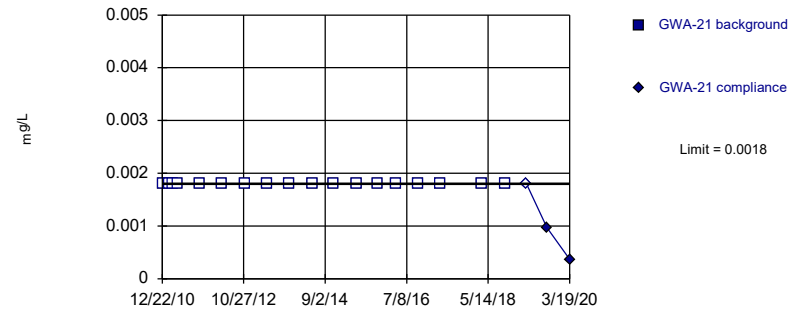


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

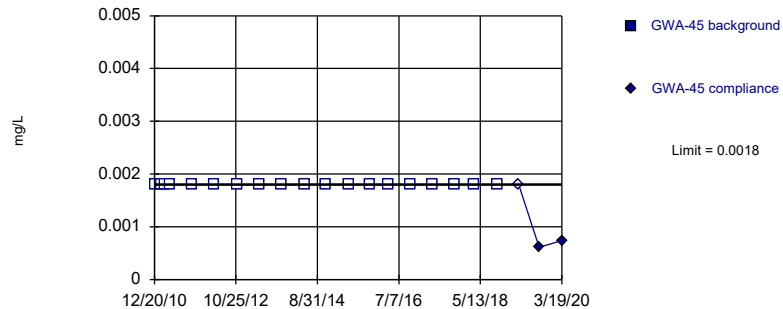


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

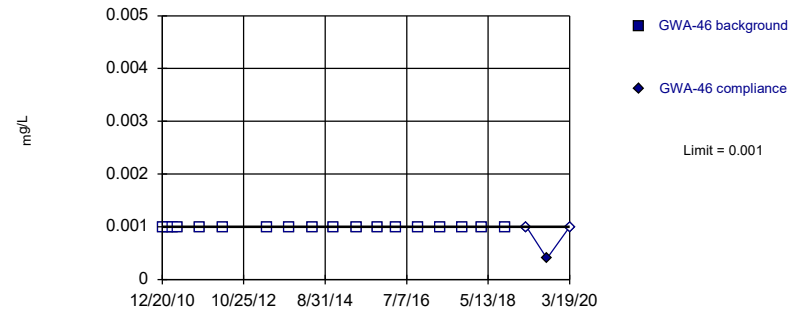


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

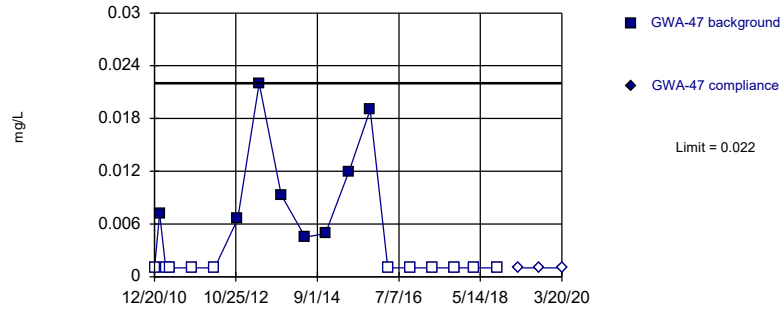


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

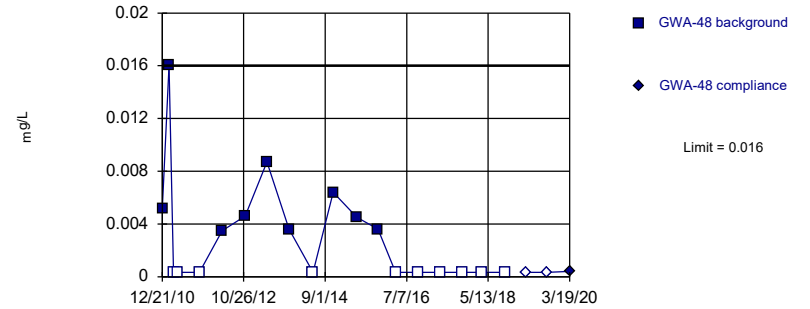


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

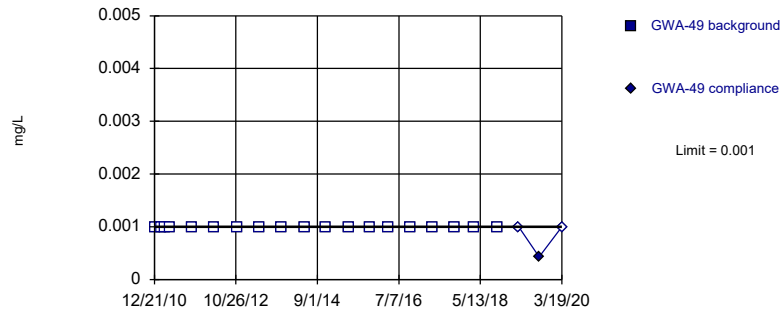


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 52.63% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

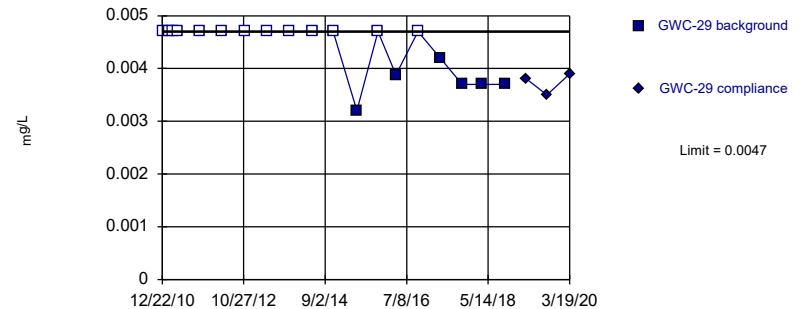


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

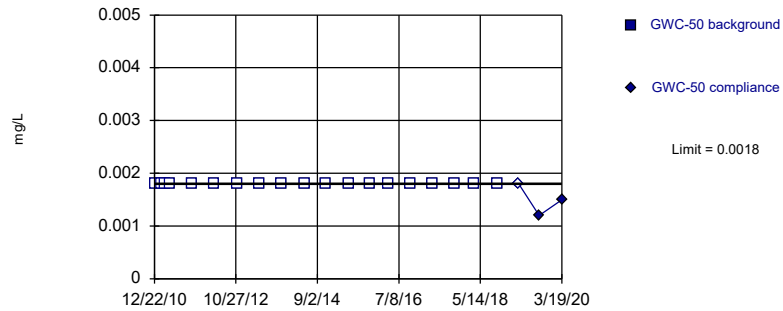


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:03 AM View: PLS State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

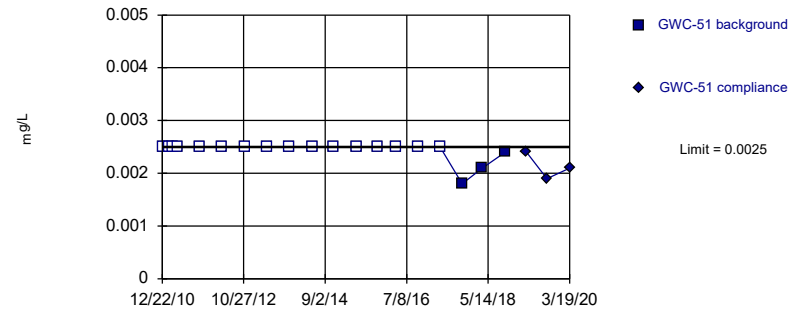


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

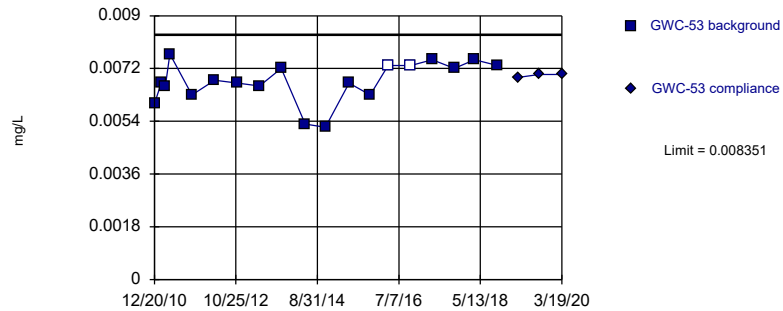


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

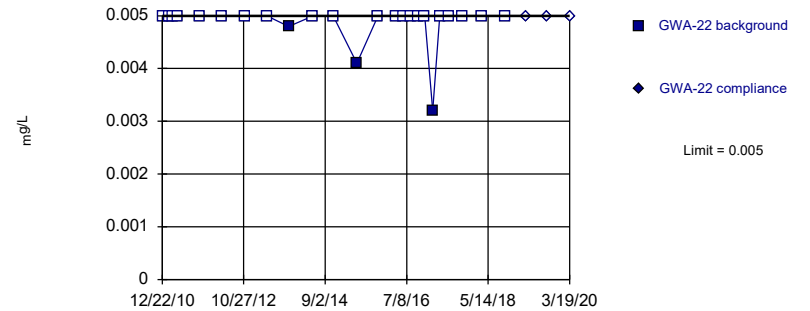


Background Data Summary: Mean=0.006747, Std. Dev.=0.0007019, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9132, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Nickel, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

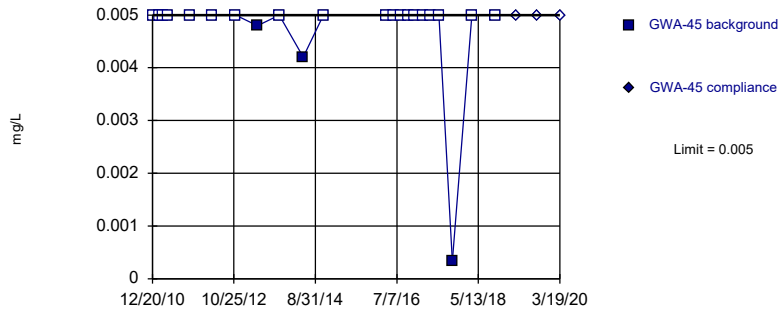


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

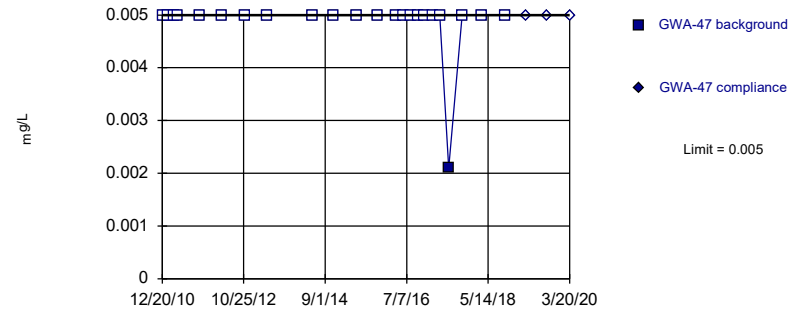


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

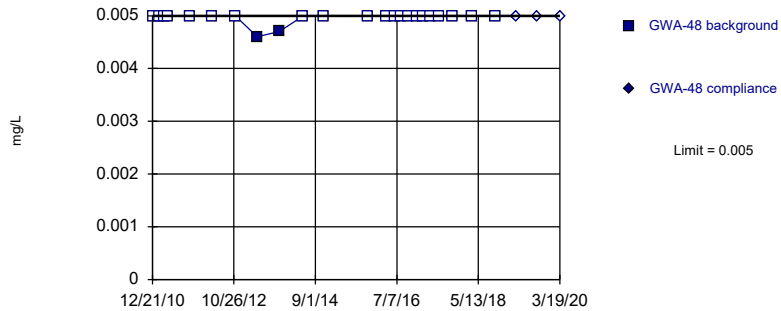


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

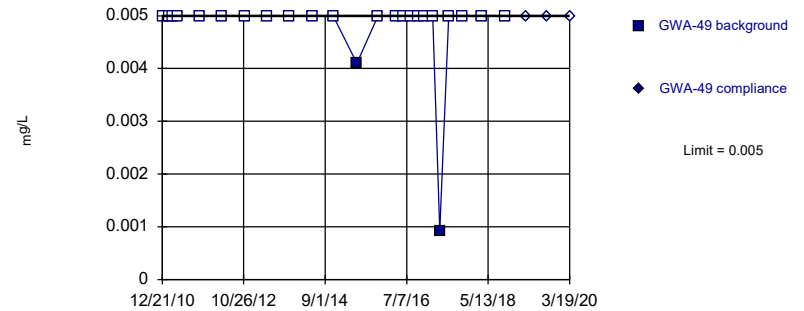


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

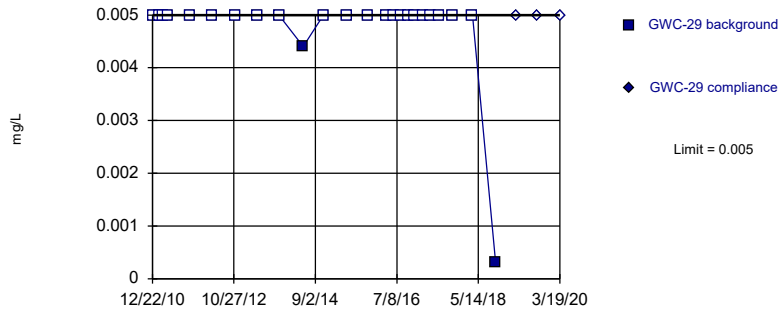


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

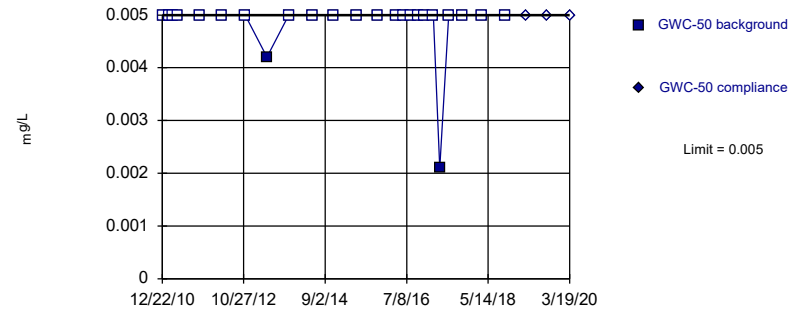


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

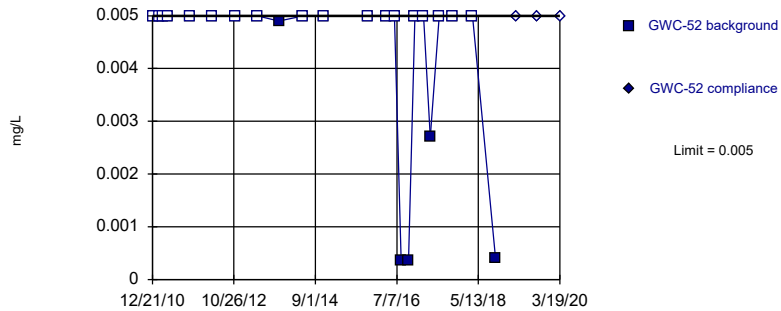


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

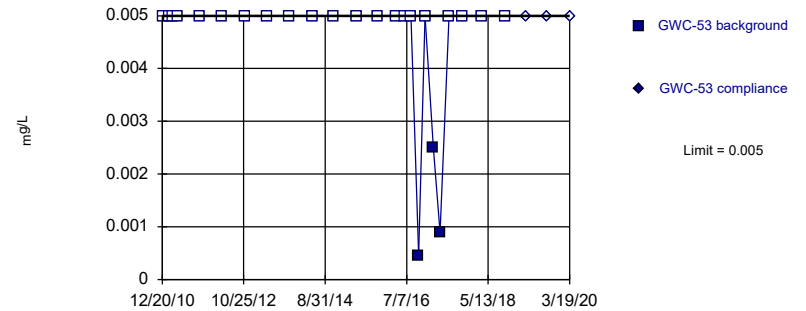


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

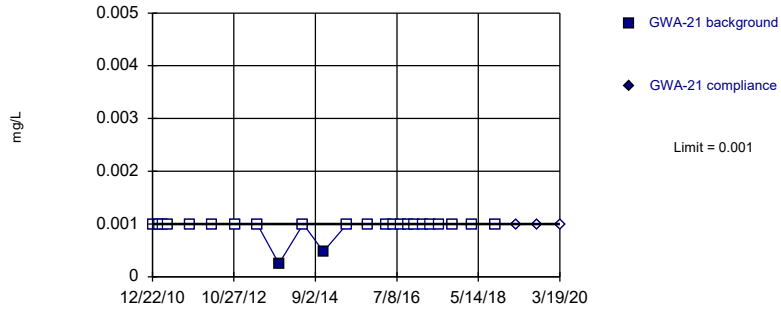


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

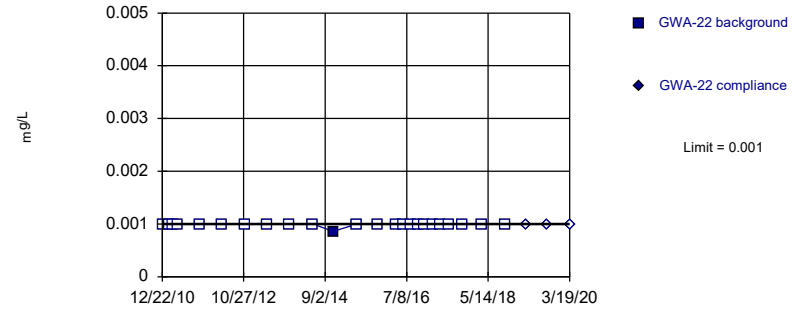


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

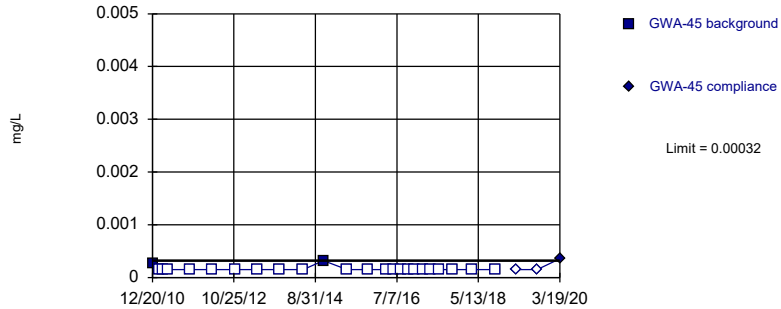


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

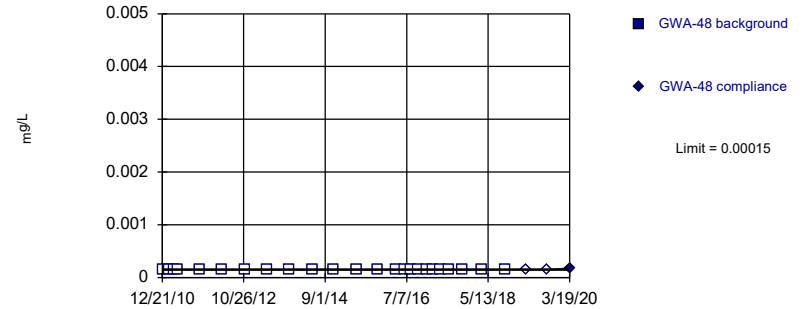


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

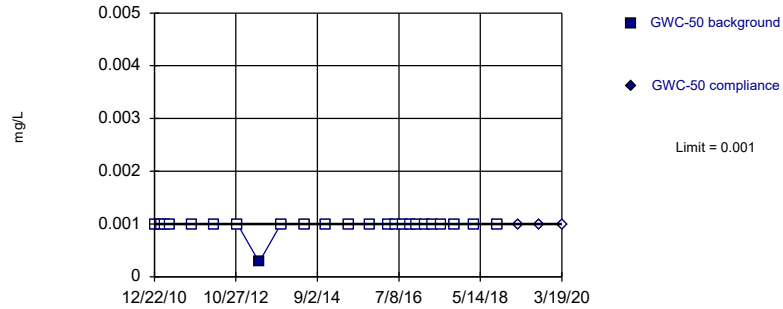


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

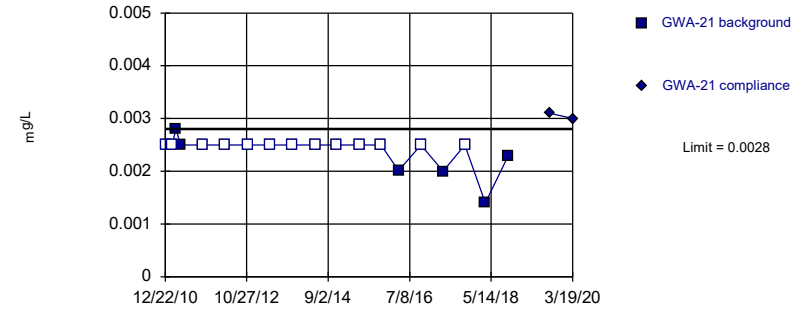


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

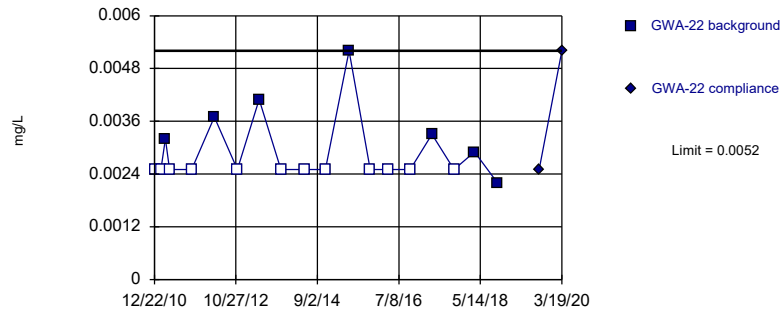


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

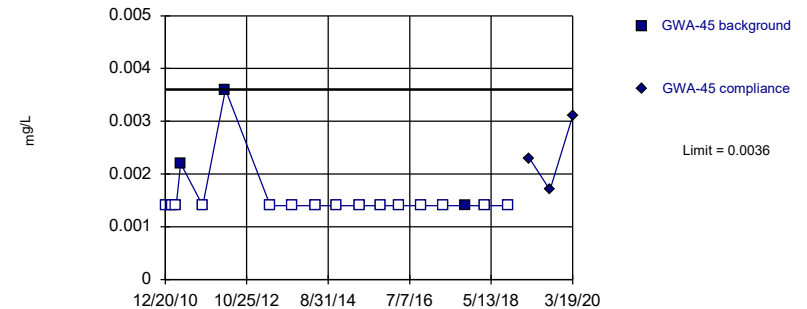


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



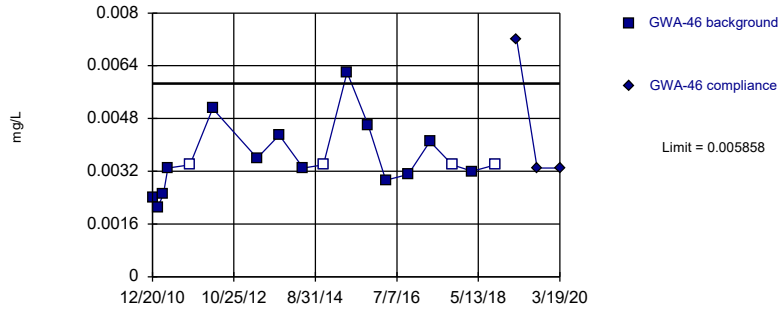
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Parametric

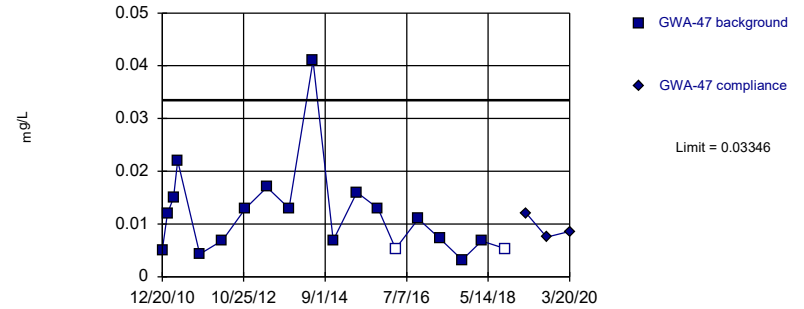


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003403, Std. Dev.=0.001061, n=18, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9105, critical = 0.858. Kappa = 2.314 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

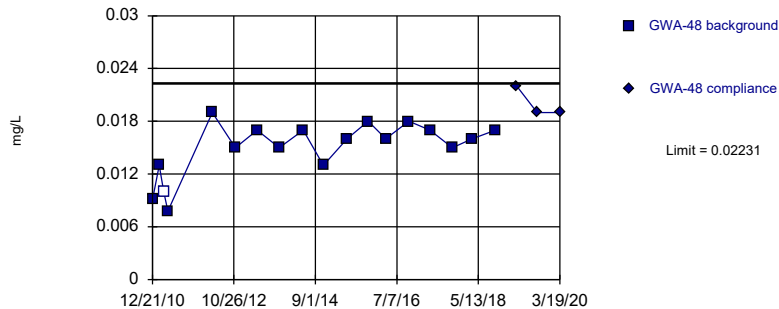


Background Data Summary (based on square root transformation): Mean=0.1031, Std. Dev.=0.03492, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9024, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

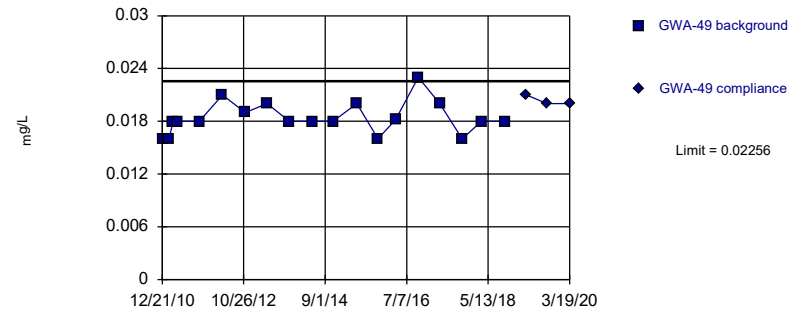


Background Data Summary: Mean=0.01494, Std. Dev.=0.003186, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8783, critical = 0.858. Kappa = 2.314 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric



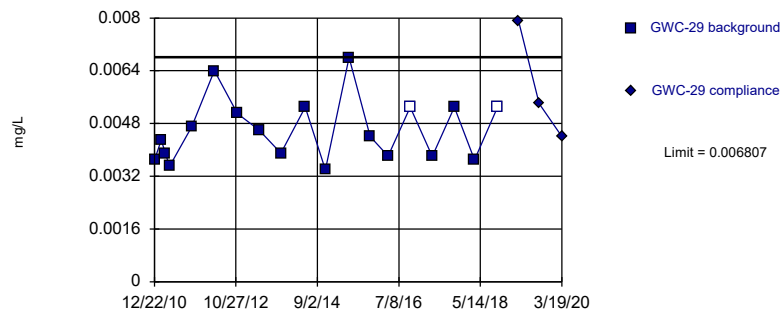
Background Data Summary: Mean=0.01838, Std. Dev.=0.00183, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8844, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit

Intrawell Parametric



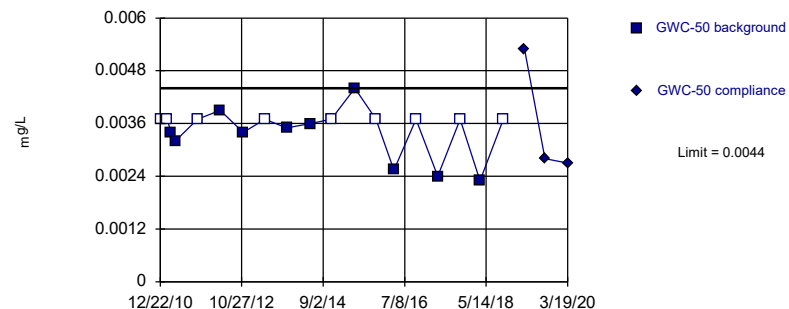
Background Data Summary: Mean=0.00459, Std. Dev.=0.0009702, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit

Intrawell Non-parametric



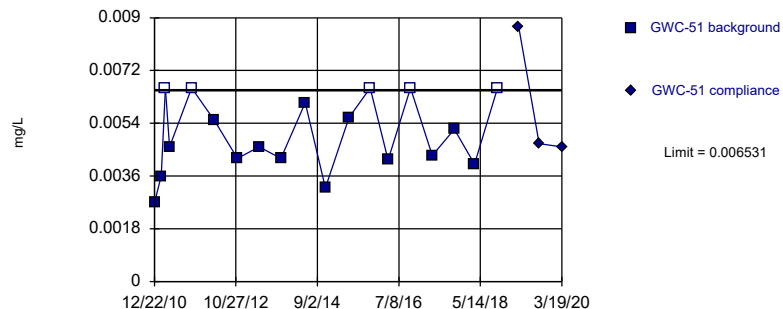
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 47.37% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit

Intrawell Parametric



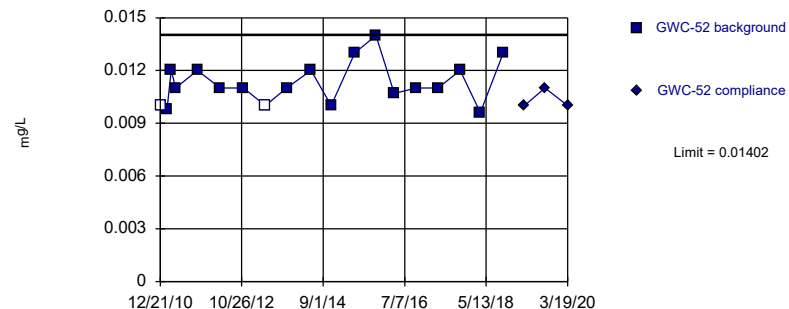
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004314, Std. Dev.=0.0009703, n=19, 26.32% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

### Prediction Limit

Intrawell Parametric

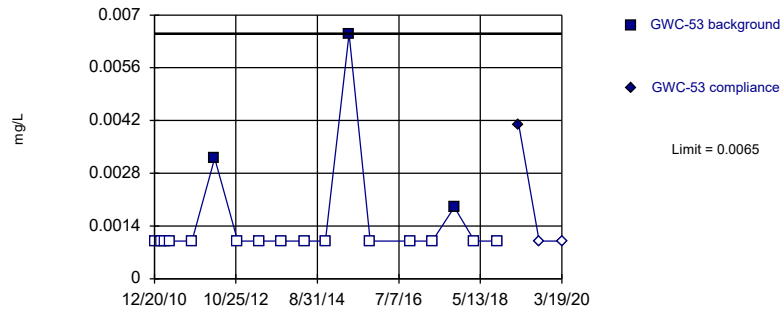


Background Data Summary: Mean=0.01127, Std. Dev.=0.001205, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLS State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

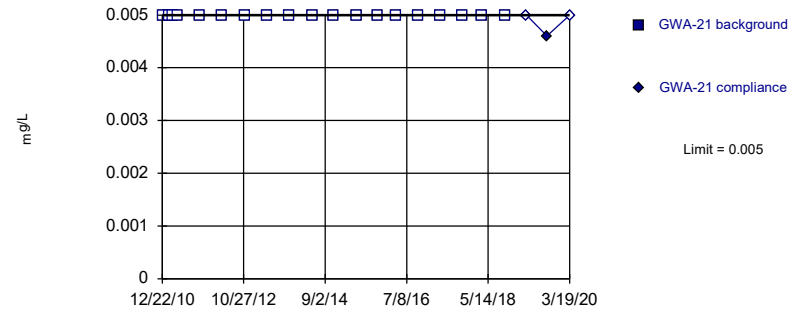


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

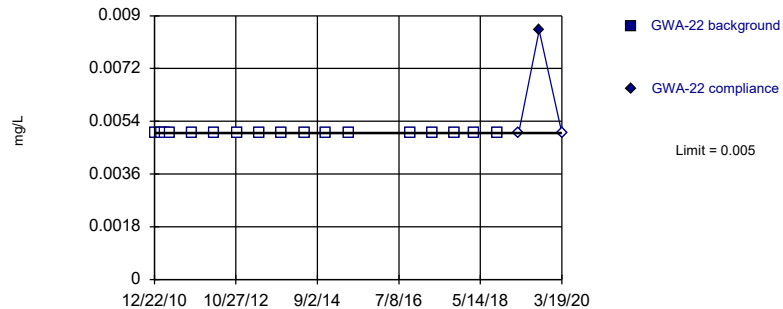


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

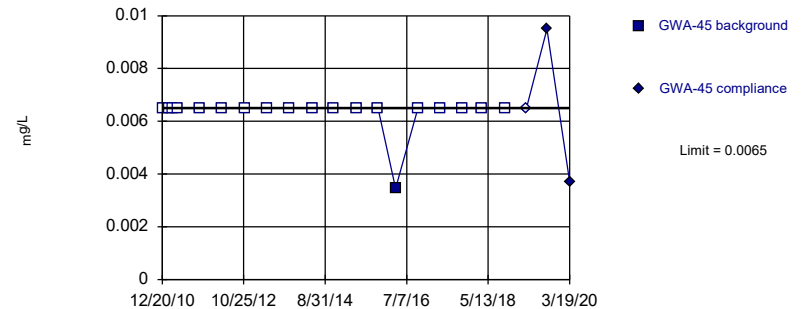


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

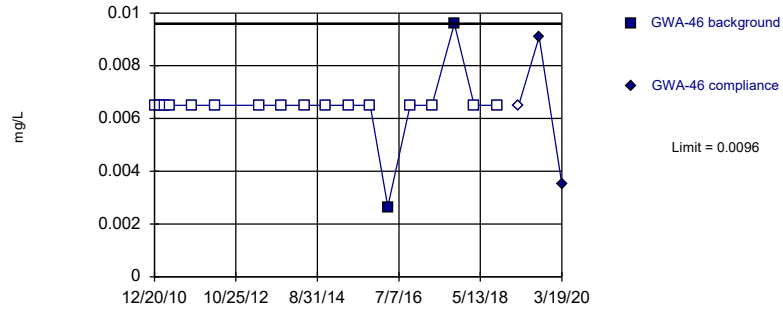


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

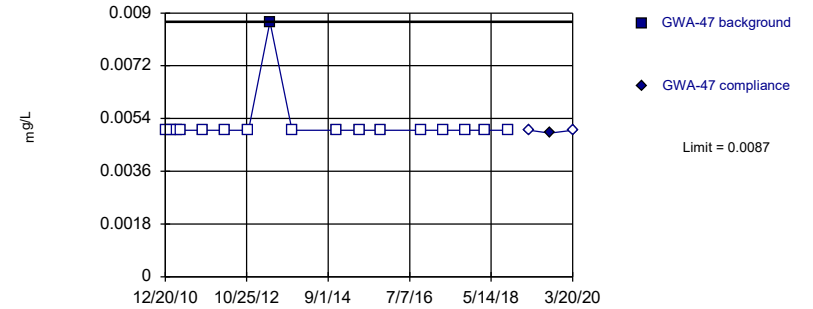


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

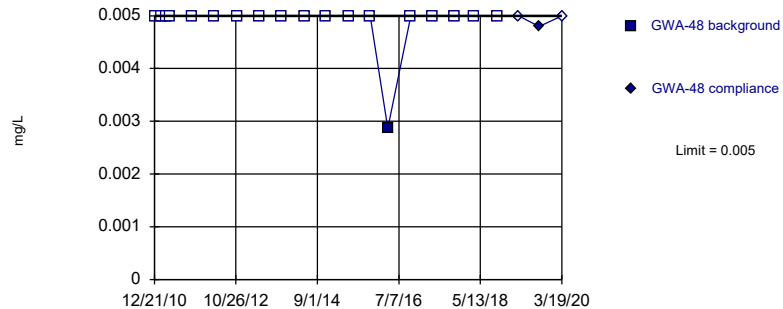


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

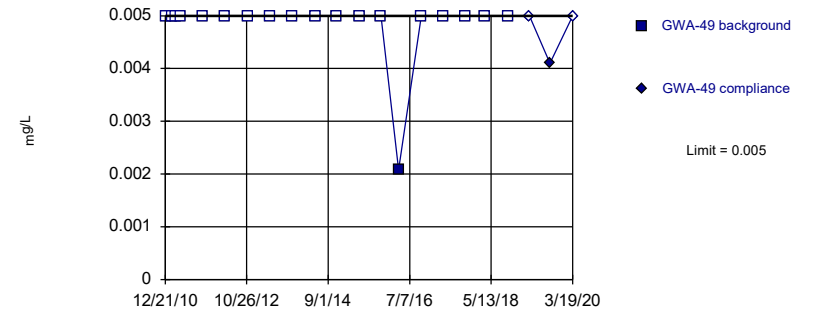


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

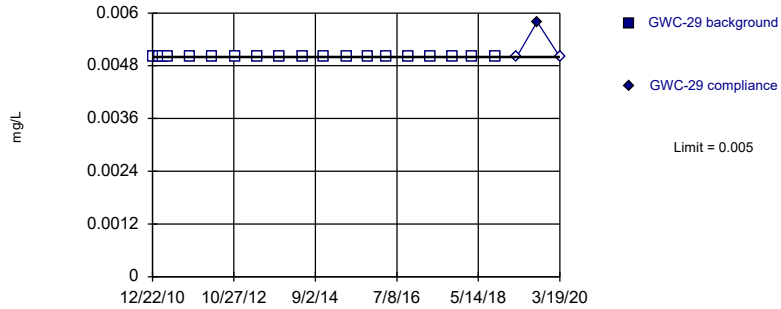


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

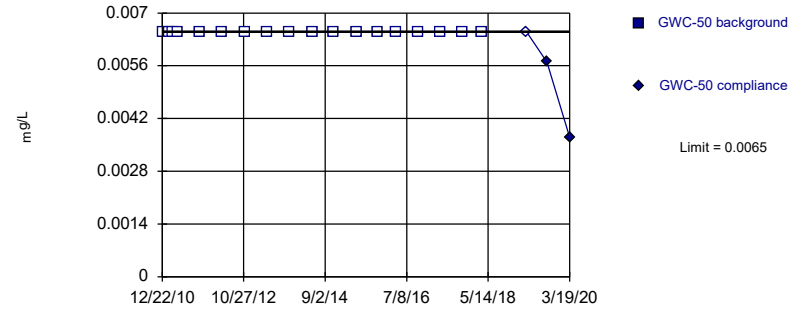


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

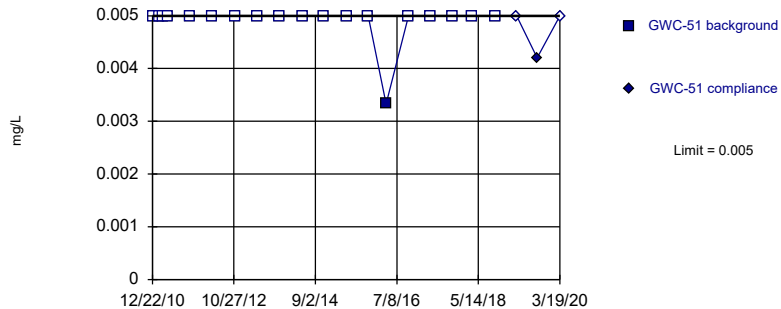


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

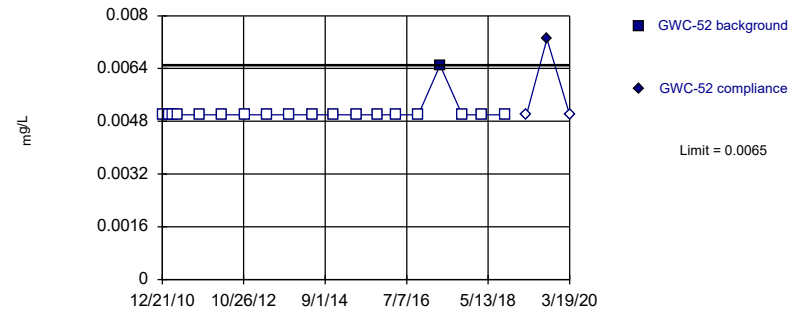


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

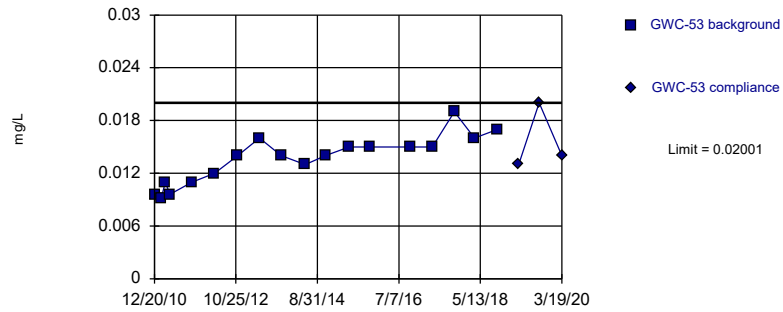


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.01363, Std. Dev.=0.002756, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.858. Kappa = 2.314 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

Constituent: Zinc, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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



# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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
12/2/2019		0.11 (R)
3/19/2020		0.11

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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



# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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



# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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



# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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)



# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0004	
2/1/2011	<0.0004	
3/21/2011	<0.0004	
4/26/2011	<0.0004	
10/27/2011	<0.0004	
5/2/2012	<0.0004	
11/8/2012	<0.0004	
5/7/2013	<0.0004	
11/4/2013	<0.0004	
5/24/2014	<0.0004	
11/7/2014	<0.0004	
5/20/2015	<0.0004	
11/13/2015	<0.0004	
4/7/2016	<0.0004	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0004	
10/10/2016	<0.0004	
12/2/2016	<0.0004	
2/10/2017	<0.0004	
4/7/2017	<0.0004	
6/23/2017	<0.0004	
10/10/2017	<0.0004	
3/23/2018	<0.0004	
10/4/2018	<0.0004	
3/27/2019		<0.0004
9/12/2019		9.5E-05 (J)
3/19/2020		0.00025 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<7.5E-05	
2/14/2011	<7.5E-05	
3/23/2011	<7.5E-05	
4/27/2011	<7.5E-05	
10/25/2011	<7.5E-05	
5/1/2012	0.0039 (O)	
11/8/2012	<7.5E-05	
5/7/2013	<7.5E-05	
11/5/2013	<7.5E-05	
5/23/2014	<7.5E-05	
11/7/2014	<7.5E-05	
5/21/2015	<7.5E-05	
11/12/2015	<7.5E-05	
4/7/2016	<7.5E-05	
6/17/2016	0.00017 (J)	
8/10/2016	<7.5E-05	
10/14/2016	<7.5E-05	
12/19/2016	<7.5E-05	
2/13/2017	<7.5E-05	
4/7/2017	<7.5E-05	
6/22/2017	<7.5E-05	
10/10/2017	<7.5E-05	
3/23/2018	<7.5E-05	
10/3/2018	<7.5E-05	
3/27/2019		<7.5E-05
9/12/2019		<7.5E-05
3/19/2020		0.00029 (J)

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State  
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

# Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.00013	
2/14/2011	0.0024 (J)	
3/21/2011	<0.00013	
4/26/2011	0.0027 (J)	
10/26/2011	0.0026 (J)	
5/1/2012	<0.00013	
11/8/2012	0.0023 (J)	
5/8/2013	0.0026 (J)	
11/4/2013	<0.00013	
5/24/2014	<0.00013	
11/7/2014	<0.00013	
5/20/2015	0.005 (J)	
11/13/2015	0.0031 (J)	
4/7/2016	<0.00013	
6/14/2016	<0.00013	
8/9/2016	<0.00013	
10/10/2016	<0.00013	
12/2/2016	<0.00013	
2/9/2017	<0.00013	
4/7/2017	<0.00013	
6/22/2017	<0.00013	
10/10/2017	<0.00013	
3/22/2018	<0.00013 (D)	
10/3/2018	<0.00013	
3/27/2019		<0.00013
9/12/2019		<0.00013
3/19/2020		0.00019 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.00013	
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	<0.00013	
11/8/2012	<0.00013	
5/7/2013	0.0064	
11/5/2013	<0.00013	
5/23/2014	<0.00013	
11/7/2014	0.0026 (J)	
5/21/2015	0.0038 (J)	
11/12/2015	0.0021 (J)	
4/7/2016	<0.00013	
6/17/2016	<0.00013	
8/10/2016	<0.00013	
10/14/2016	<0.00013	
12/19/2016	<0.00013	
2/13/2017	<0.00013	
4/7/2017	<0.00013	
6/22/2017	<0.00013	
10/10/2017	<0.00013	
3/23/2018	<0.00013	
10/3/2018	<0.00013	
3/27/2019		<0.00013
9/12/2019		<0.00013
3/19/2020		0.0002 (J)

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLs State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:09 AM View: PLS State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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



# Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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	
10/4/2018	<0.001	
3/28/2019		<0.001
9/12/2019		<0.001
3/19/2020		<0.001

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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



# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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)

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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	<0.00034	
4/27/2011	<0.00034	
10/25/2011	<0.00034	
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	<0.00034	
11/7/2014	0.0064	
5/21/2015	0.0045 (J)	
11/12/2015	0.0036 (J)	
4/7/2016	<0.00034	
10/14/2016	<0.00034	
4/7/2017	<0.00034	
10/10/2017	<0.00034	
3/23/2018	<0.00034	
10/3/2018	<0.00034	
3/27/2019		<0.00034
9/12/2019		<0.00034
3/19/2020		0.0004 (J)



# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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



# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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



# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.00026 (J)	
2/14/2011	<0.00015	
3/21/2011	<0.00015	
4/26/2011	<0.00015	
10/26/2011	<0.00015	
5/1/2012	<0.00015	
11/8/2012	<0.00015	
5/8/2013	<0.00015	
11/4/2013	<0.00015	
5/24/2014	<0.00015	
11/7/2014	0.00032	
5/20/2015	<0.00015	
11/13/2015	<0.00015	
4/7/2016	<0.00015	
6/14/2016	<0.00015	
8/9/2016	<0.00015	
10/10/2016	<0.00015	
12/2/2016	<0.00015	
2/9/2017	<0.00015	
4/7/2017	<0.00015	
6/22/2017	<0.00015	
10/10/2017	<0.00015	
3/22/2018	<0.00015 (D)	
10/3/2018	<0.00015	
3/27/2019		<0.00015
9/12/2019		<0.00015
3/19/2020		0.00036 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.00015	
2/14/2011	<0.00015	
3/23/2011	<0.00015	
4/27/2011	<0.00015	
10/25/2011	<0.00015	
5/1/2012	<0.00015	
11/8/2012	<0.00015	
5/7/2013	<0.00015	
11/5/2013	<0.00015	
5/23/2014	<0.00015	
11/7/2014	<0.00015	
5/21/2015	<0.00015	
11/12/2015	<0.00015	
4/7/2016	<0.00015	
6/17/2016	<0.00015	
8/10/2016	<0.00015	
10/14/2016	<0.00015	
12/19/2016	<0.00015	
2/13/2017	<0.00015	
4/7/2017	<0.00015	
6/22/2017	<0.00015	
10/10/2017	<0.00015	
3/23/2018	<0.00015	
10/3/2018	<0.00015	
3/27/2019		<0.00015
9/12/2019		<0.00015
3/19/2020		0.00018 (J)

# Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State  
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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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



# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State  
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

# Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLS State

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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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



# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State  
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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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)

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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)

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State  
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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0065	
2/15/2011	<0.0065	
3/22/2011	<0.0065	
4/27/2011	<0.0065	
10/26/2011	<0.0065	
5/2/2012	<0.0065	
11/8/2012	<0.0065	
5/8/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/8/2014	<0.0065	
5/22/2015	<0.0065	
11/13/2015	<0.0065	
4/11/2016	<0.0065	
10/11/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	<0.0065	
3/23/2018	<0.0065	
10/4/2018	0.0076 (O)	
3/28/2019		<0.0065
9/12/2019		0.0057
3/19/2020		0.0037 (J)



# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State  
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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

# Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:10 AM View: PLs State

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

FIGURE E.

# State Parameters Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0006319	125	118	Yes	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004326	-127	-124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.005403	276	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0002963	119	118	Yes	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0003067	145	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0006231	249	124	Yes	27	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0005629	-164	-124	Yes	27	14.81	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0006778	212	124	Yes	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.0008253	182	124	Yes	27	3.704	n/a	n/a	0.01	NP

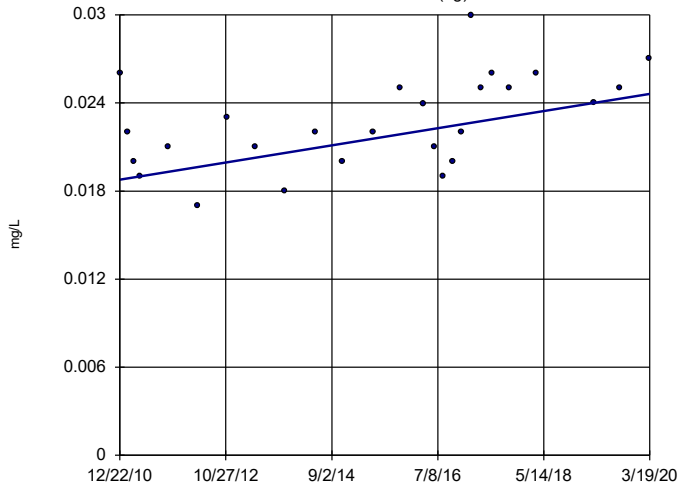
# State Parameters Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:31 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
<b>Barium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.0006319</b>	<b>125</b>	<b>118</b>	<b>Yes</b>	<b>26</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-22 (bg)</b>	<b>-0.0004326</b>	<b>-127</b>	<b>-124</b>	<b>Yes</b>	<b>27</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>0.005403</b>	<b>276</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>
<b>Barium, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.0002963</b>	<b>119</b>	<b>118</b>	<b>Yes</b>	<b>26</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)	-0.001405	-99	-118	No	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-37	-111	No	25	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-42	-124	No	27	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0003067</b>	<b>145</b>	<b>124</b>	<b>Yes</b>	<b>27</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>GWC-52</b>	<b>0.0006231</b>	<b>249</b>	<b>124</b>	<b>Yes</b>	<b>27</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>-0.0005629</b>	<b>-164</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>14.81</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>0.0006778</b>	<b>212</b>	<b>124</b>	<b>Yes</b>	<b>27</b>	<b>7.407</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	111	No	25	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00009914	78	124	No	27	3.704	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003712	-53	-124	No	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.00052	-97	-124	No	27	7.407	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.0000804	-32	-124	No	27	3.704	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0008253</b>	<b>182</b>	<b>124</b>	<b>Yes</b>	<b>27</b>	<b>3.704</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

### Sen's Slope Estimator

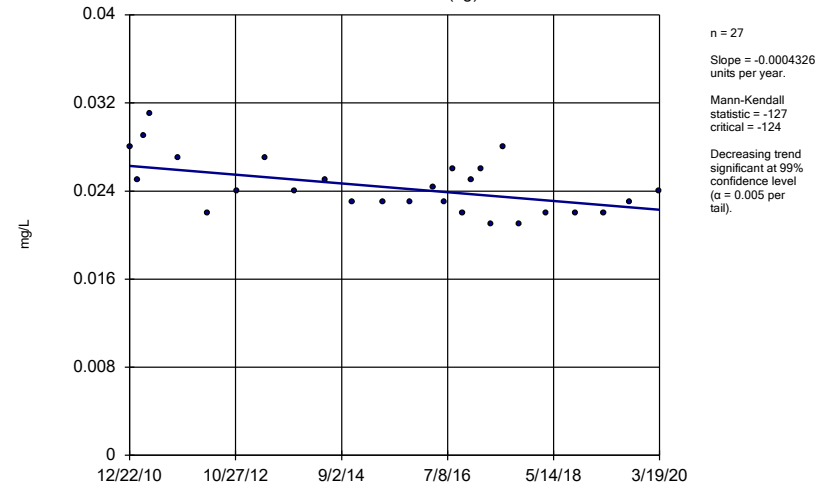
GWA-21 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

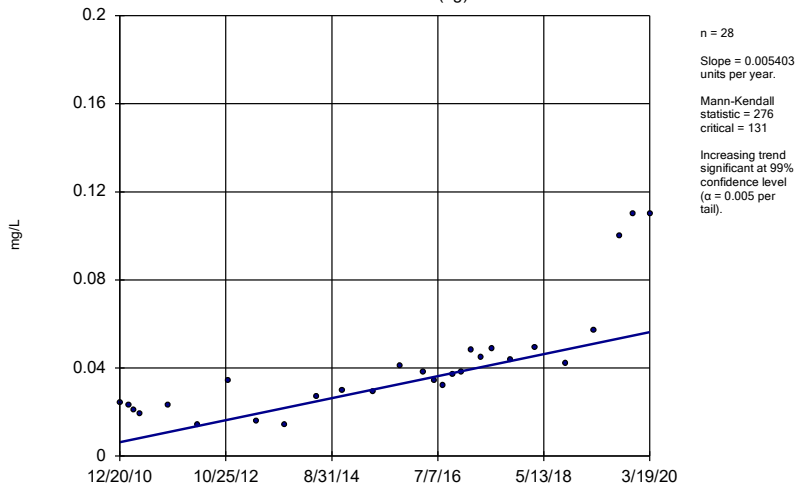
GWA-22 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

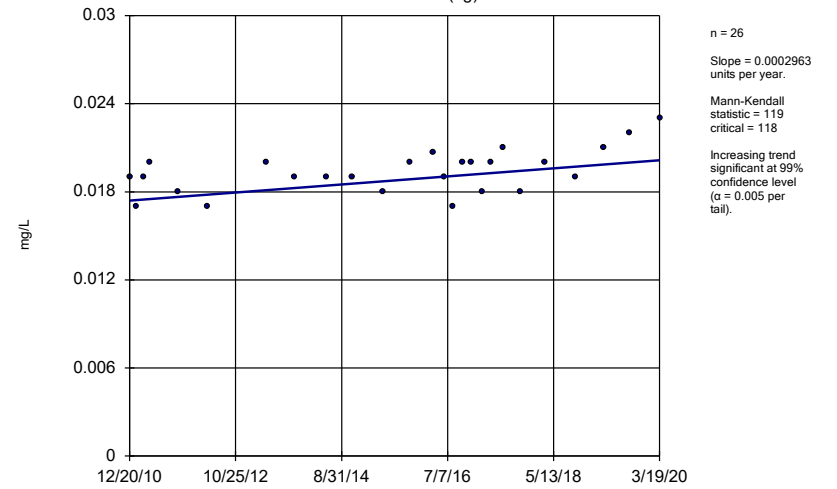
GWA-45 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

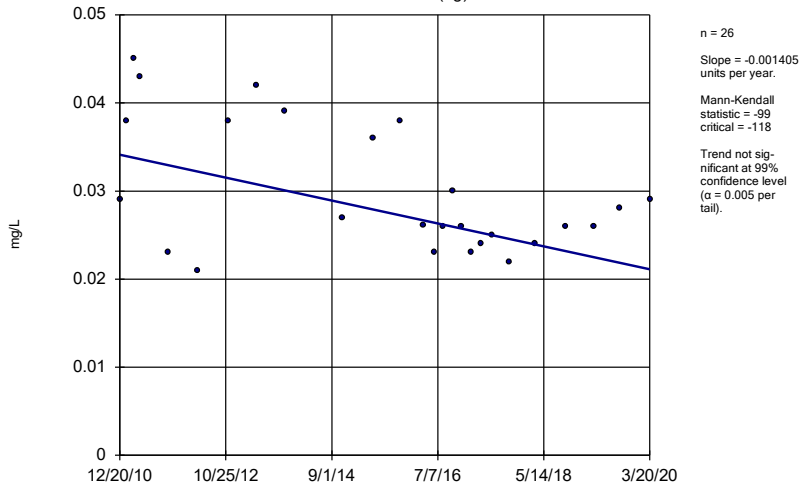
GWA-46 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

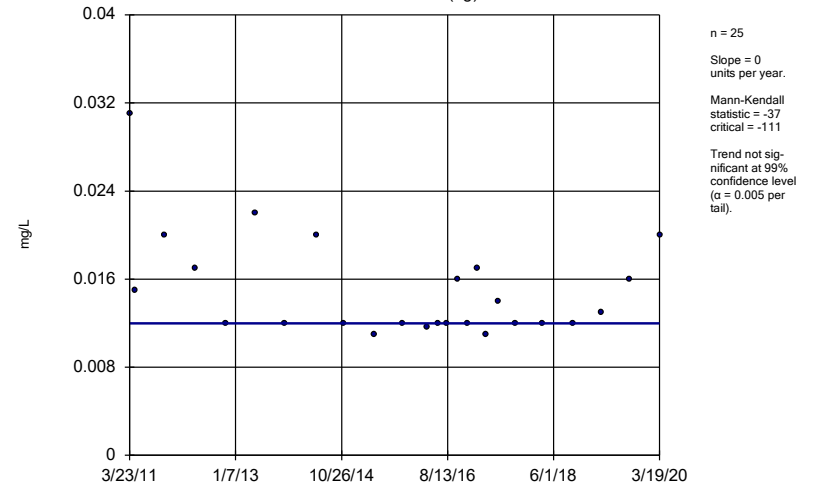
GWA-47 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

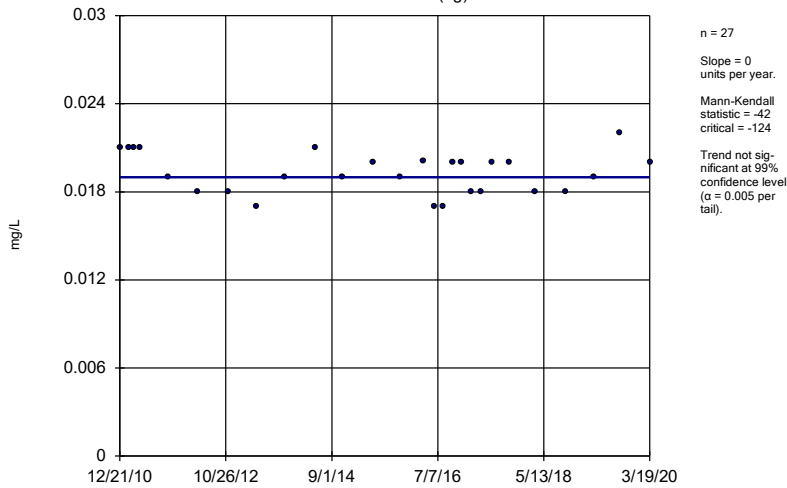
GWA-48 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

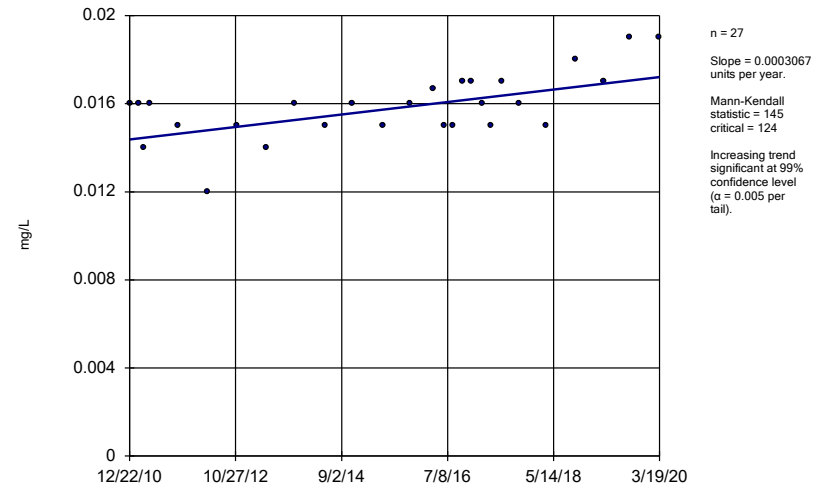
GWA-49 (bg)



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

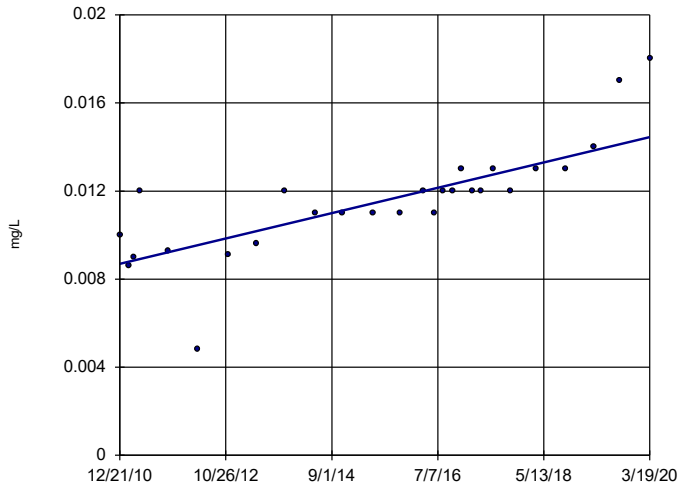
GWC-29



Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



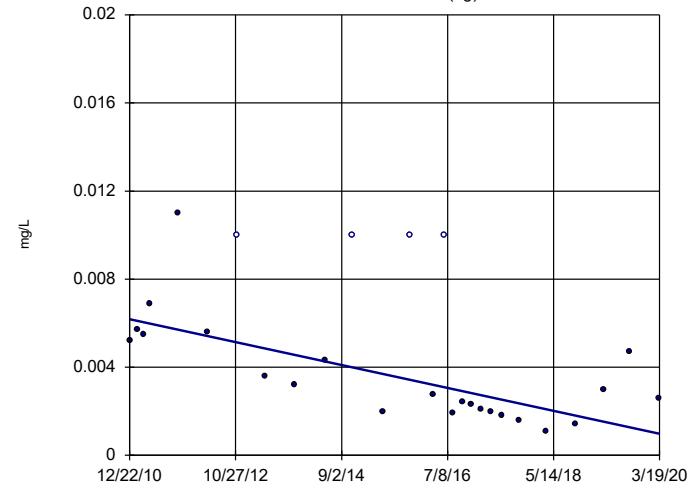
### Sen's Slope Estimator GWC-52



n = 27  
 Slope = 0.0006231  
 units per year.  
 Mann-Kendall  
 statistic = 249  
 critical = 124  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

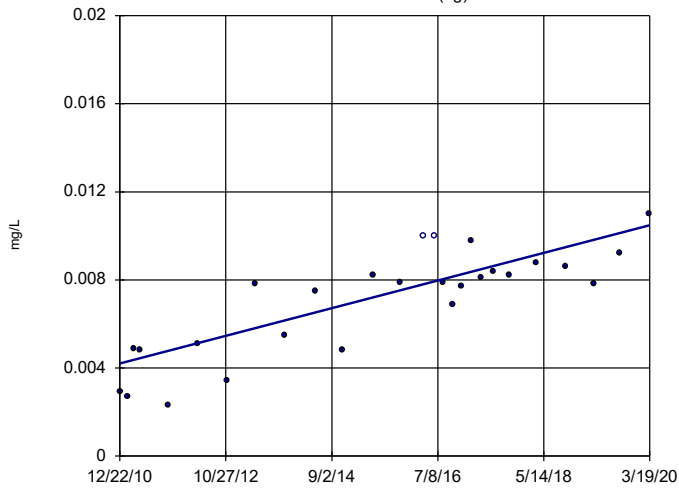
### Sen's Slope Estimator GWA-21 (bg)



n = 27  
 Slope = -0.0005629  
 units per year.  
 Mann-Kendall  
 statistic = -164  
 critical = -124  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

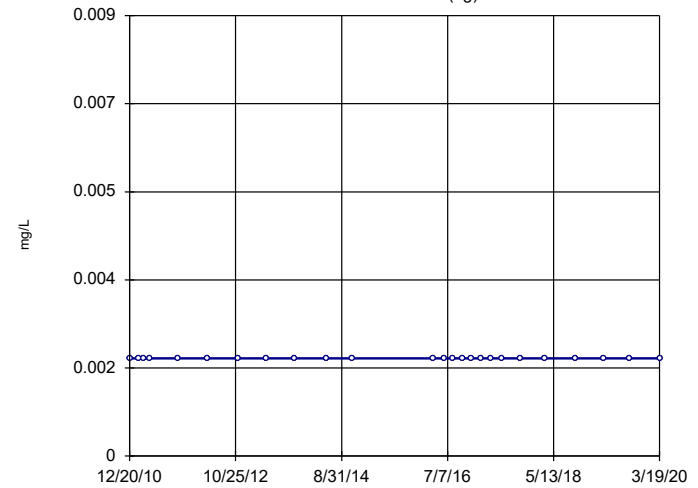
### Sen's Slope Estimator GWA-22 (bg)



n = 27  
 Slope = 0.0006778  
 units per year.  
 Mann-Kendall  
 statistic = 212  
 critical = 124  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-45 (bg)

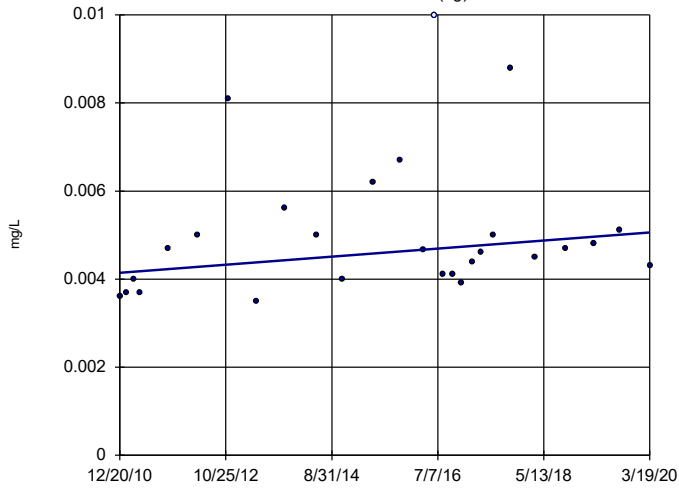


n = 25  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 0  
 critical = 111  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-46 (bg)

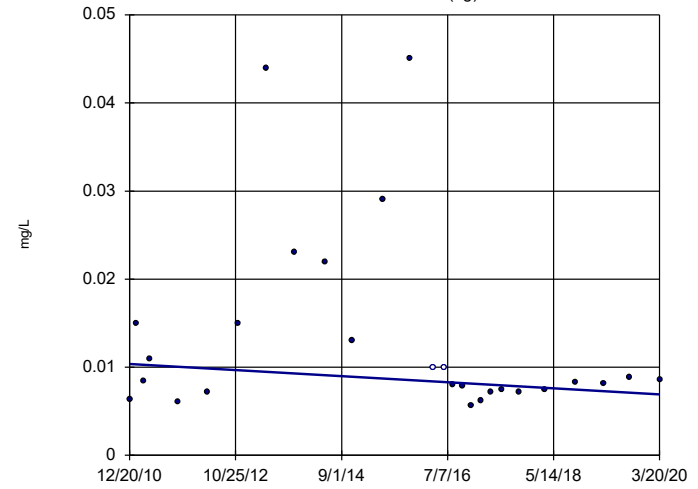


n = 27  
Slope = 0.00009914  
units per year.  
Mann-Kendall  
statistic = 78  
critical = 124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-47 (bg)

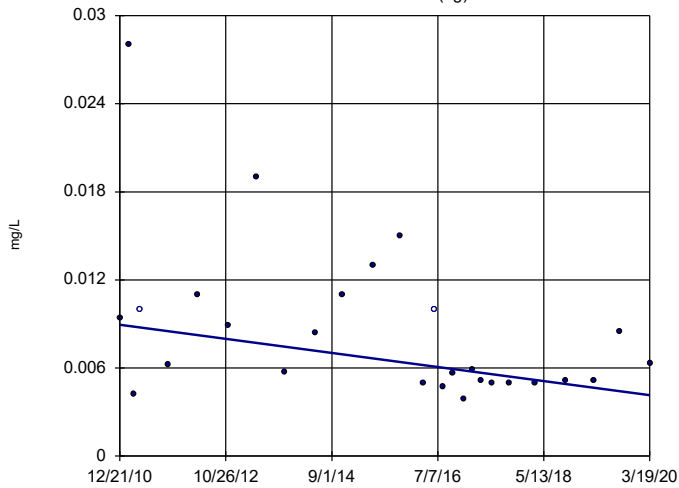


n = 27  
Slope = -0.0003712  
units per year.  
Mann-Kendall  
statistic = -53  
critical = -124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-48 (bg)

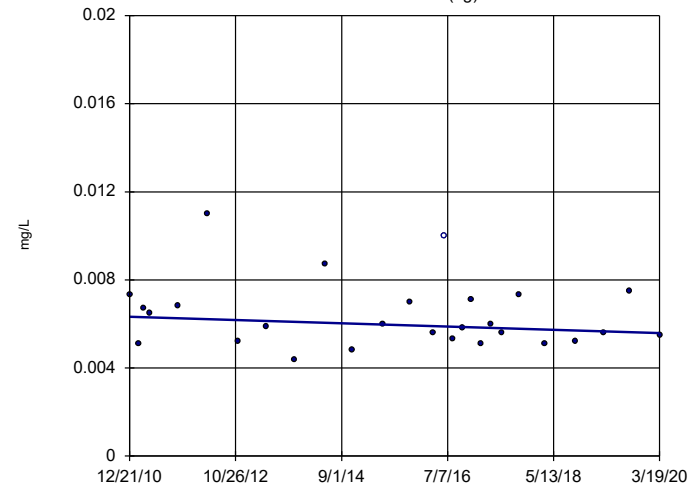


n = 27  
Slope = -0.00052  
units per year.  
Mann-Kendall  
statistic = -97  
critical = -124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

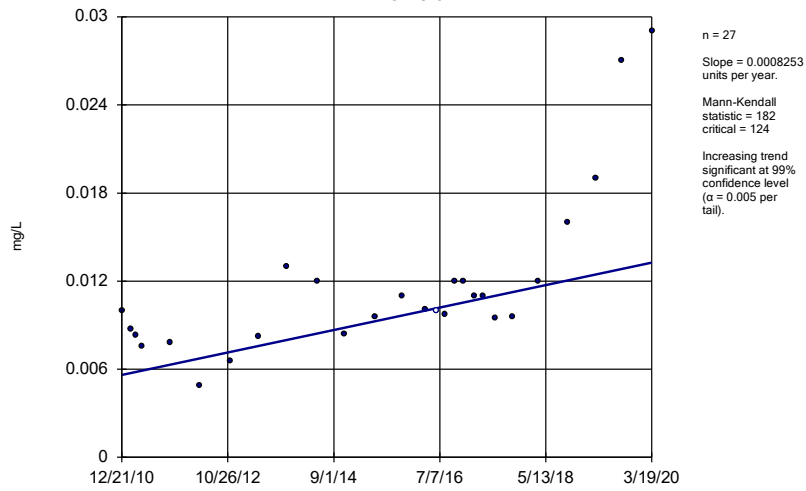
GWA-49 (bg)



n = 27  
Slope = -0.0000804  
units per year.  
Mann-Kendall  
statistic = -32  
critical = -124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Chromium, Total Analysis Run 6/19/2020 11:30 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWC-52



Constituent: Chromium, Total    Analysis Run 6/19/2020 11:30 AM    View: State Parameters - Trend Tests  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

FIGURE F.

# Intrawell Prediction Limit Summary (Federal) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:17 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)	GWA-22	9.51	n/a	3/19/2020	9.7	Yes	11	6.891	1.091	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-47	11.8	n/a	3/20/2020	12	Yes	11	13250	2544	0	None	x^4	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	11.14	n/a	3/19/2020	16	Yes	11	9.564	0.6562	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	16.21	n/a	3/19/2020	19	Yes	11	13.28	1.219	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-46	4.044	n/a	3/19/2020	4.5	Yes	11	3.192	0.3551	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.083	n/a	3/19/2020	7.3	Yes	10	6.63	0.1829	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-53	12	n/a	3/19/2020	13	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-45	6.448	5.747	3/19/2020	6.46	Yes	13	6.098	0.1537	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-29	5.923	5.7	3/19/2020	5.97	Yes	13	5.812	0.04896	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-29	2.916	n/a	3/19/2020	3.2	Yes	11	2.486	0.179	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	3/19/2020	40	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2

# Intrawell Prediction Limit Summary (Federal) - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/20/2020, 9:17 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-21	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-22	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.132	n/a	3/19/2020	0.86	No	11	0.4969	0.2648	0	None	n/a	No	0.001504	Param Intra 1 of 2
Boron, total (mg/L)	GWA-46	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	3/20/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-49	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-50	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-51	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-52	0.08	n/a	3/19/2020	0.08ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.129	n/a	3/19/2020	1	No	11	0.9258	0.08464	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-21	11.64	n/a	3/19/2020	11	No	11	8.706	1.221	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWA-22</b>	<b>9.51</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>9.7</b>	<b>Yes</b>	<b>11</b>	<b>6.891</b>	<b>1.091</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWA-45	46.4	n/a	3/19/2020	45	No	11	36.48	4.133	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-46	7.033	n/a	3/19/2020	6.7	No	11	5.597	0.5984	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWA-47</b>	<b>11.8</b>	<b>n/a</b>	<b>3/20/2020</b>	<b>12</b>	<b>Yes</b>	<b>11</b>	<b>13250</b>	<b>2544</b>	<b>0</b>	<b>None</b>	<b>x^4</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWA-48	14.23	n/a	3/19/2020	14	No	11	12.36	0.7788	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.69	n/a	3/19/2020	15	No	11	14.05	0.6861	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>11.14</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>16</b>	<b>Yes</b>	<b>11</b>	<b>9.564</b>	<b>0.6562</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-50	8.105	n/a	3/19/2020	7.9	No	11	7.022	0.4513	0	None	n/a	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-51	7.814	n/a	3/19/2020	7.1	No	11	6.6	0.506	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>16.21</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>19</b>	<b>Yes</b>	<b>11</b>	<b>13.28</b>	<b>1.219</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Calcium, total (mg/L)	GWC-53	21.17	n/a	3/19/2020	19	No	11	16.72	1.853	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-21	4.383	n/a	3/19/2020	3.9	No	11	3.23	0.4804	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-22	5.531	n/a	3/19/2020	2.2	No	11	3.155	0.9903	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	10	n/a	3/19/2020	9.9	No	11	n/a	n/a	0	n/a	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-46</b>	<b>4.044</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>4.5</b>	<b>Yes</b>	<b>11</b>	<b>3.192</b>	<b>0.3551</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWA-47	1.753	n/a	3/20/2020	1.7	No	11	1.479	0.1141	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.991	n/a	3/19/2020	1.9	No	10	1.724	0.1077	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-49	2.432	n/a	3/19/2020	2.2	No	11	2.09	0.1425	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-29	4.257	n/a	3/19/2020	3.4	No	10	3.5	0.3055	0	None	n/a	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-50	2.1	n/a	3/19/2020	2.1	No	11	n/a	n/a	0	n/a	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>7.083</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>7.3</b>	<b>Yes</b>	<b>10</b>	<b>6.63</b>	<b>0.1829</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.001504</b>	<b>Param Intra 1 of 2</b>
Chloride, Total (mg/L)	GWC-52	8.651	n/a	3/19/2020	8.2	No	10	7.93	0.2908	0	None	n/a	No	0.001504	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-53</b>	<b>12</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>13</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (normality) 1 of 2</b>
Fluoride, total (mg/L)	GWA-21	0.082	n/a	3/19/2020	0.059J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	3/19/2020	0.054J	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.035	n/a	3/19/2020	0.041J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	3/20/2020	0.1ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	3/19/2020	0.049J	No	11	n/a	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	3/19/2020	0.044J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	3/19/2020	0.042J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.082	n/a	3/19/2020	0.039J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.027	n/a	3/19/2020	0.037J	No	11	n/a	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	3/19/2020	0.053J	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-53	0.1	n/a	3/19/2020	0.1ND	No	11	n/a	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-21	5.962	5.587	3/19/2020	5.81	No	13	5.775	0.08222	0	None	n/a	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-22	6.27	5.499	3/19/2020	6.14	No	14	5.884	0.1725	0	None	n/a	No	0.000752	Param Intra 1 of 2

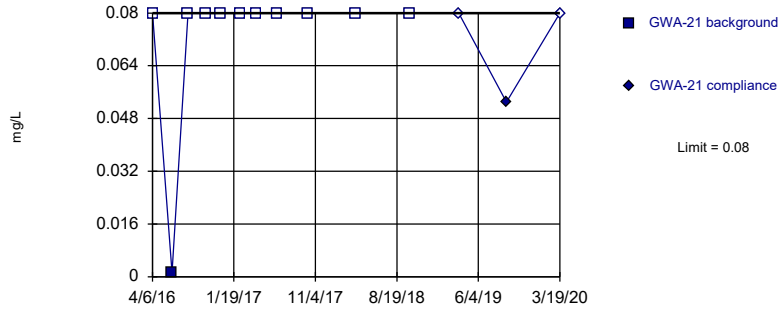
# Intrawell Prediction Limit Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/20/2020, 9:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>pH (S.U.)</b>	<b>GWA-45</b>	<b>6.448</b>	<b>5.747</b>	<b>3/19/2020</b>	<b>6.46</b>	<b>Yes</b>	<b>13</b>	<b>6.098</b>	<b>0.1537</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>
pH (S.U.)	GWA-46	6.83	5.71	3/19/2020	5.93	No	13	n/a	n/a	0	n/a	n/a	0.01938	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-47	6.552	6.309	3/20/2020	6.39	No	14	6.431	0.05427	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-48	6.981	6.519	3/19/2020	6.73	No	13	6.75	0.1012	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-49	7.091	6.613	3/19/2020	6.87	No	13	6.852	0.1048	0	None	No	0.000752	Param Intra 1 of 2
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>5.923</b>	<b>5.7</b>	<b>3/19/2020</b>	<b>5.97</b>	<b>Yes</b>	<b>13</b>	<b>5.812</b>	<b>0.04896</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	<b>Param Intra 1 of 2</b>
pH (S.U.)	GWC-50	5.994	5.672	3/19/2020	5.78	No	14	5.833	0.07205	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-51	5.977	5.714	3/19/2020	5.9	No	14	5.846	0.0588	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-52	6.806	6.488	3/19/2020	6.64	No	14	6.647	0.07119	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-53	5.76	5.399	3/19/2020	5.65	No	13	5.579	0.07921	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-21	2.884	n/a	3/19/2020	0.92J	No	11	1.481	0.5847	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	3/19/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	182.1	n/a	3/19/2020	150	No	11	144.3	15.75	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	0.7	n/a	3/19/2020	0.39J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	0.38	n/a	3/20/2020	0.58J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.626	n/a	3/19/2020	1.5	No	11	1.176	0.1875	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	0.7	n/a	3/19/2020	0.56J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-29</b>	<b>2.916</b>	<b>n/a</b>	<b>3/19/2020</b>	<b>3.2</b>	<b>Yes</b>	<b>11</b>	<b>2.486</b>	<b>0.179</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-50	1	n/a	3/19/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	0.7	n/a	3/19/2020	0.71J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	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>3/19/2020</b>	<b>40</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	182.6	n/a	3/19/2020	170	No	11	148.7	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	109.9	n/a	3/19/2020	100	No	11	76.64	13.87	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	115	n/a	3/19/2020	65	No	11	65.73	20.51	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	336.6	n/a	3/19/2020	310	No	11	254.3	34.3	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	86.78	n/a	3/19/2020	51	No	11	46.5	16.78	9.091	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	116	n/a	3/20/2020	99	No	11	81.82	14.25	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	120.7	n/a	3/19/2020	97	No	11	87.36	13.87	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	118.7	n/a	3/19/2020	110	No	10	102.4	6.586	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	138.1	n/a	3/19/2020	110	No	11	84.73	22.22	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	129.2	n/a	3/19/2020	64	No	11	68.91	25.11	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	102.5	n/a	3/19/2020	66	No	10	74	11.51	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	184	n/a	3/19/2020	160	No	11	10.79	1.155	0	None	sqrt(x)	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	326.8	n/a	3/19/2020	270	No	11	243.5	34.73	0	None	No	0.001504	Param Intra 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

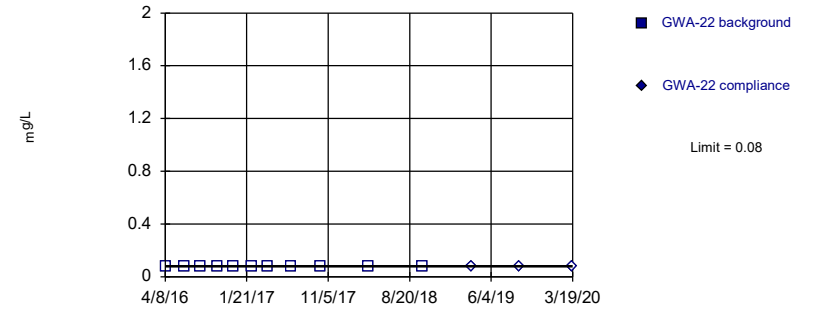


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

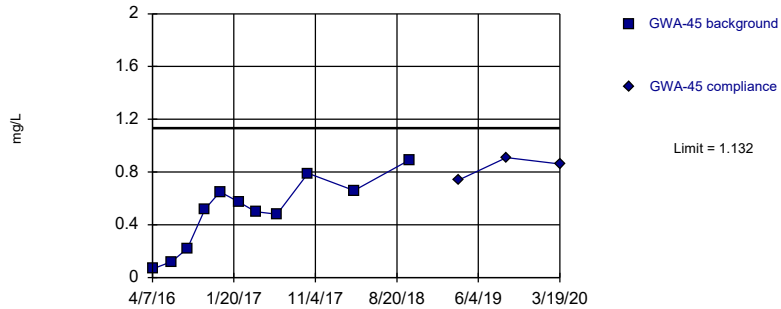


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

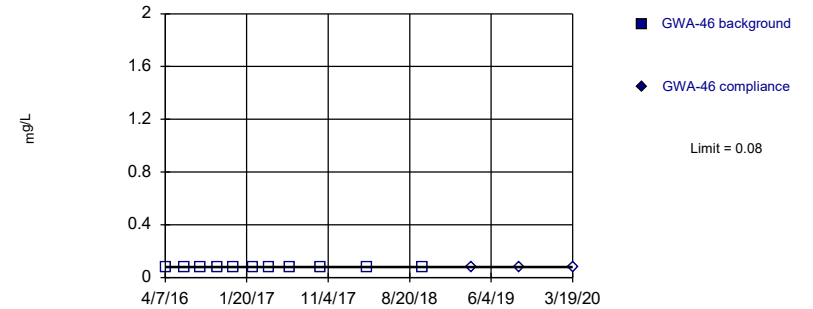


Background Data Summary: Mean=0.4969, Std. Dev.=0.2648, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



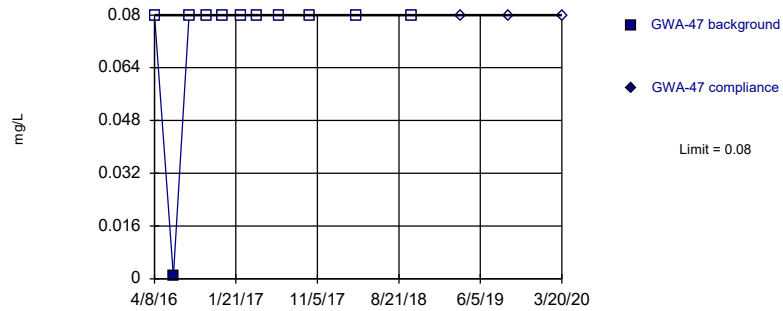
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
 Intrawell Non-parametric

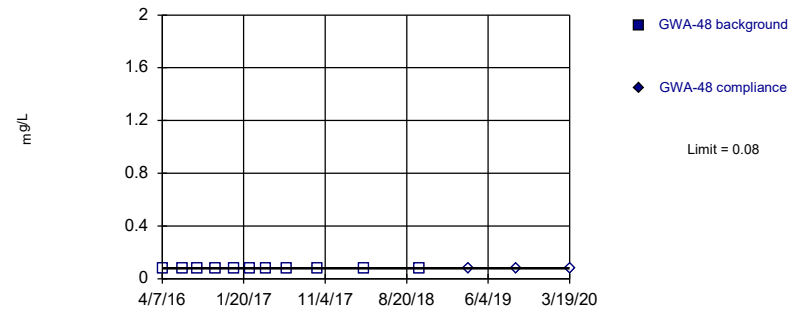


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

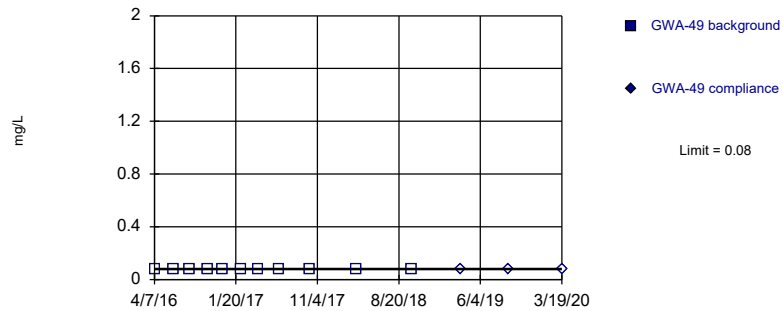


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

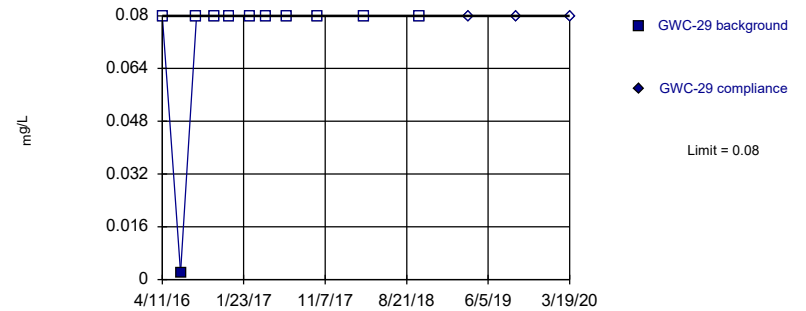


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

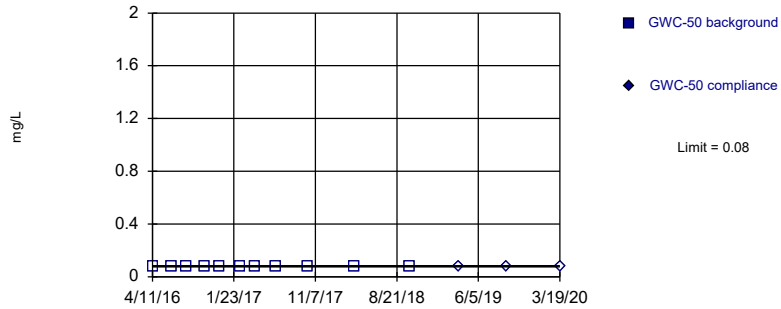


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

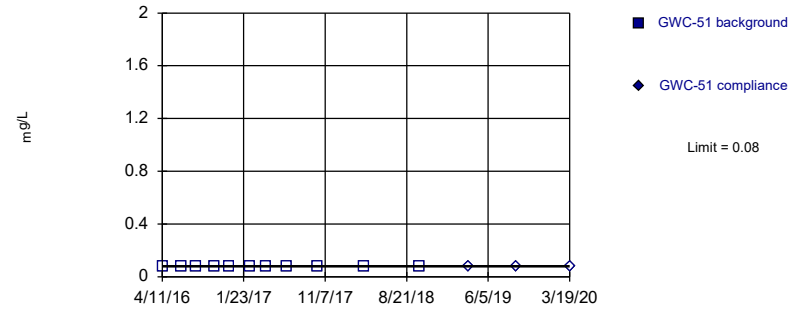


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

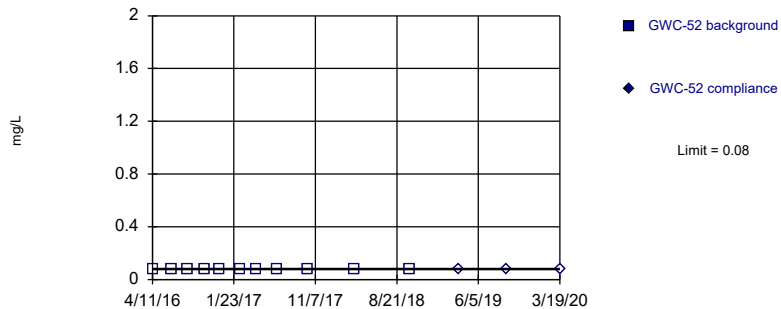


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

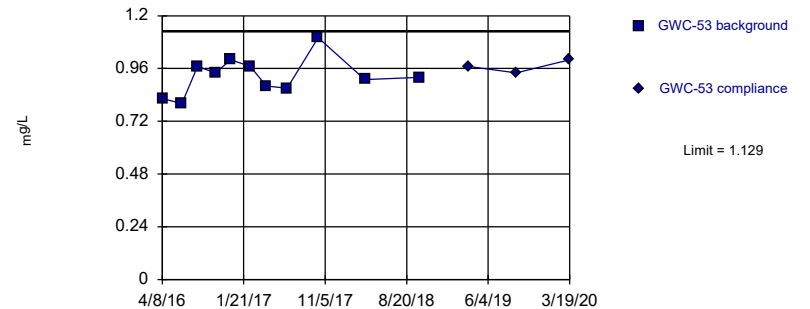


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

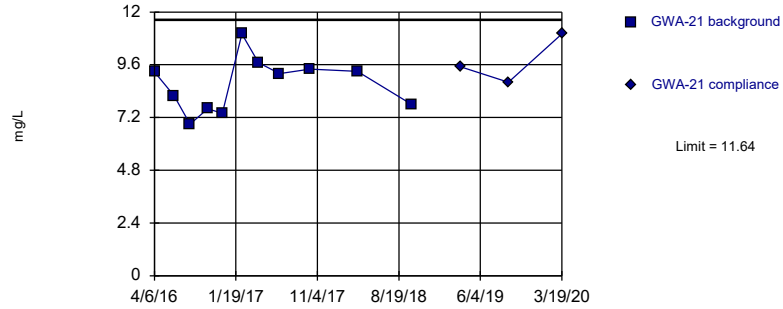


Background Data Summary: Mean=0.9258, Std. Dev.=0.08464, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

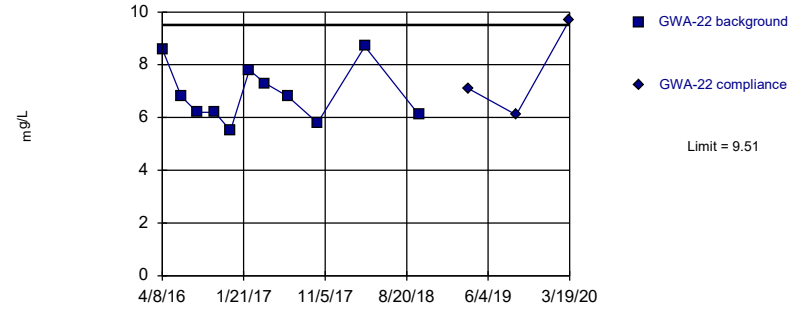


Background Data Summary: Mean=8.706, Std. Dev.=1.221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

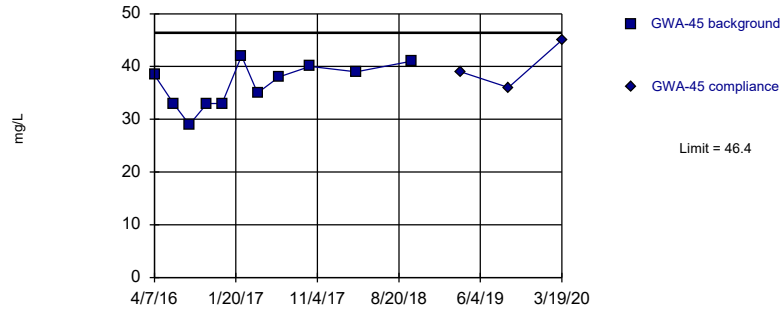


Background Data Summary: Mean=6.891, Std. Dev.=1.091, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

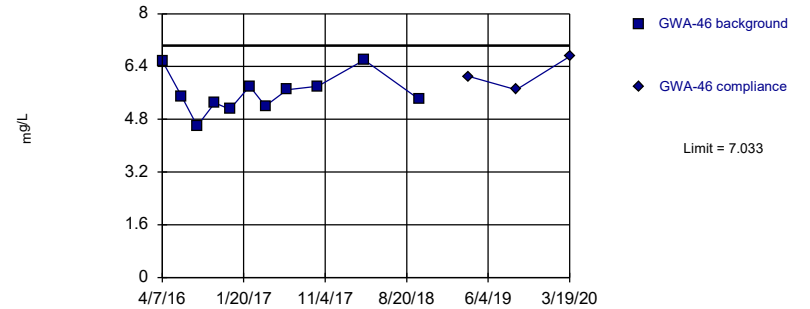


Background Data Summary: Mean=36.48, Std. Dev.=4.133, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9356, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

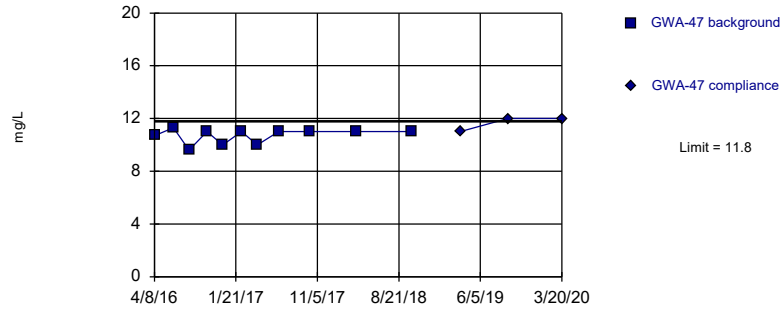


Background Data Summary: Mean=5.597, Std. Dev.=0.5984, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9408, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

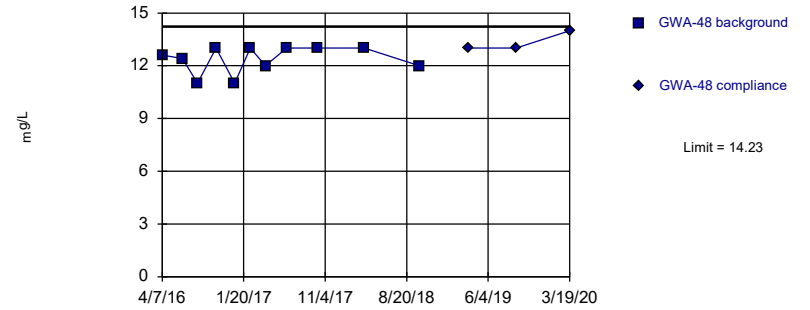


Background Data Summary (based on x<sup>4</sup> transformation): Mean=13250, Std. Dev.=2544, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.797, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

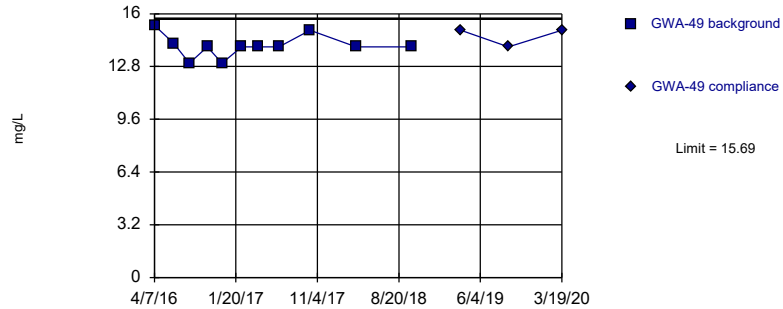


Background Data Summary: Mean=12.36, Std. Dev.=0.7788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7935, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:11 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

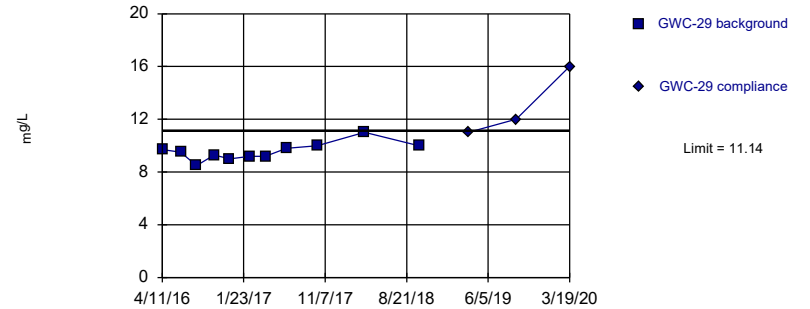


Background Data Summary: Mean=14.05, Std. Dev.=0.6861, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8467, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

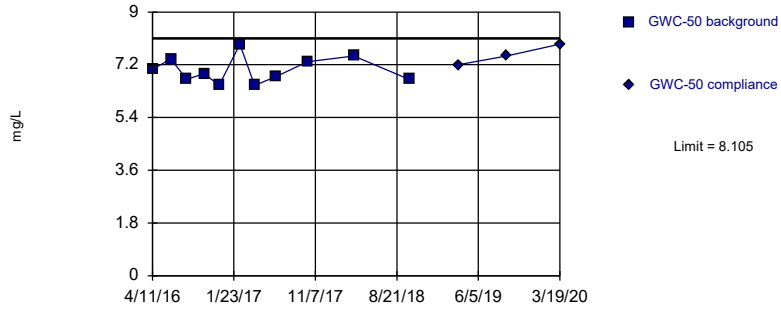


Background Data Summary: Mean=9.564, Std. Dev.=0.6562, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

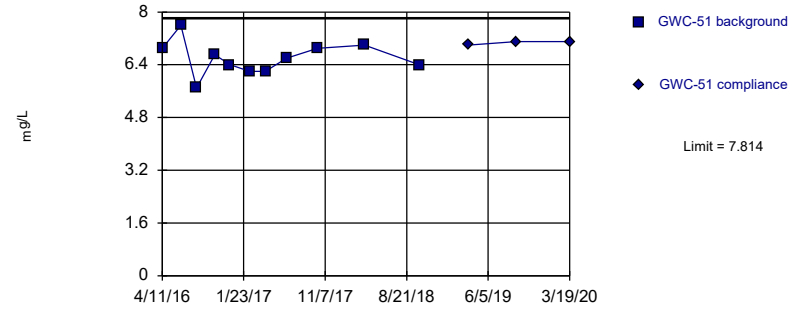


Background Data Summary: Mean=7.022, Std. Dev.=0.4513, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

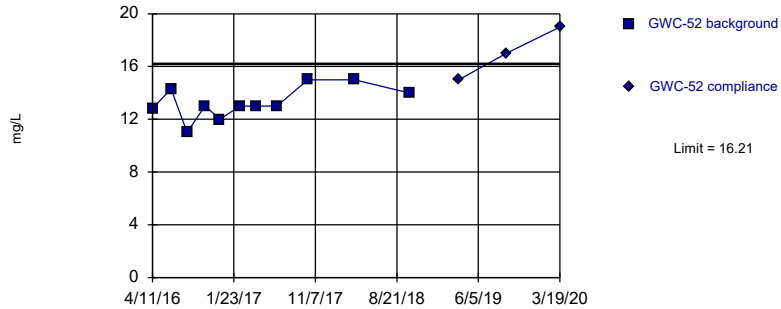


Background Data Summary: Mean=6.6, Std. Dev.=0.506, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.975, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

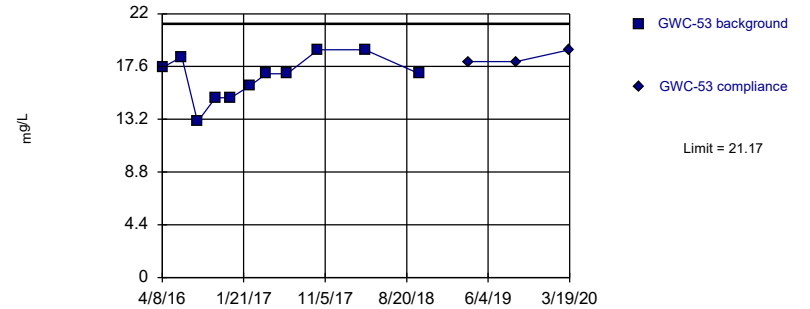


Background Data Summary: Mean=13.28, Std. Dev.=1.219, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9299, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

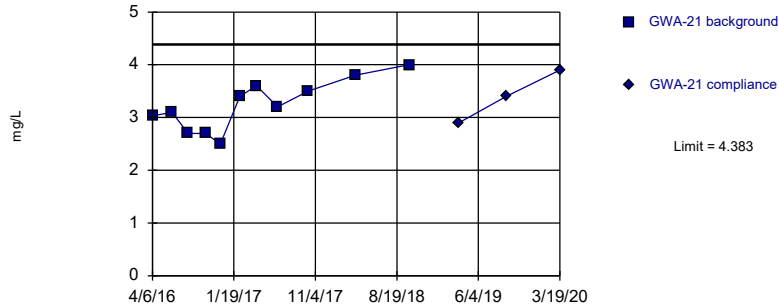


Background Data Summary: Mean=16.72, Std. Dev.=1.853, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

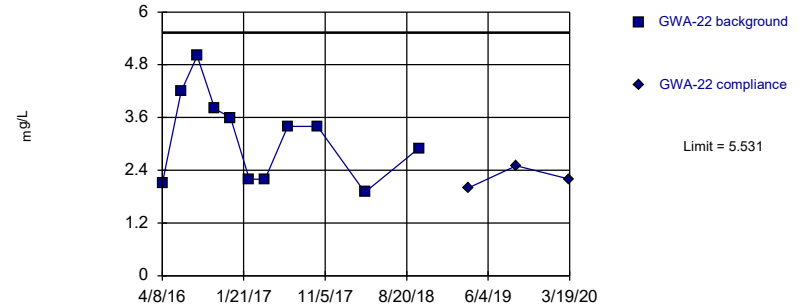


Background Data Summary: Mean=3.23, Std. Dev.=0.4804, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9695, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

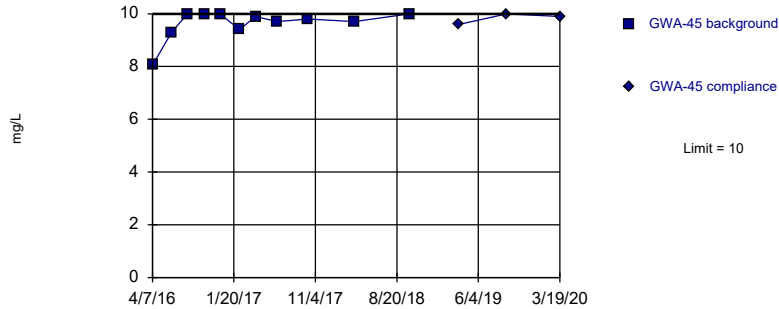


Background Data Summary: Mean=3.155, Std. Dev.=0.9903, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

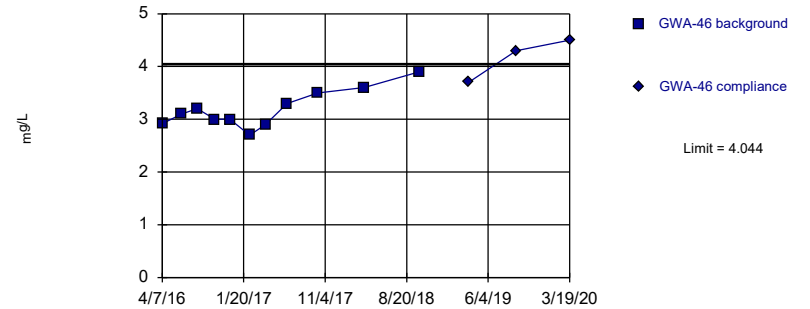


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric



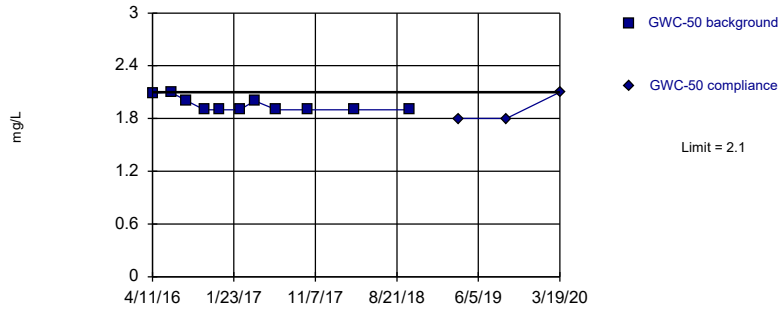
Background Data Summary: Mean=3.192, Std. Dev.=0.3551, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

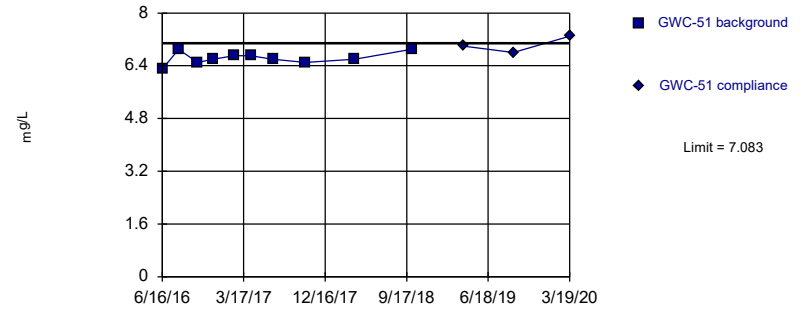


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

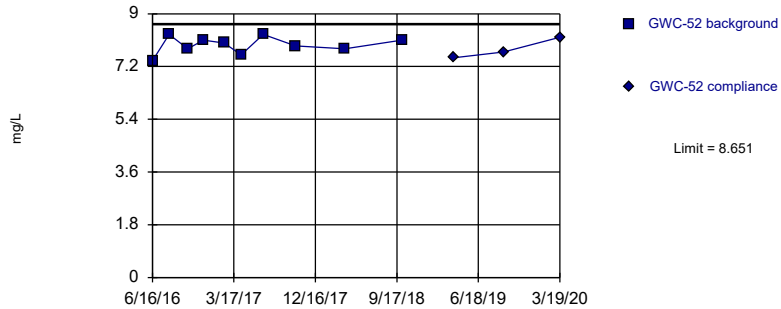


Background Data Summary: Mean=6.63, Std. Dev.=0.1829, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

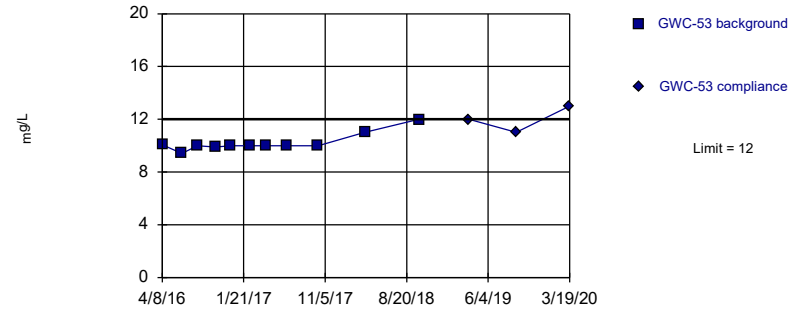


Background Data Summary: Mean=7.93, Std. Dev.=0.2908, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric



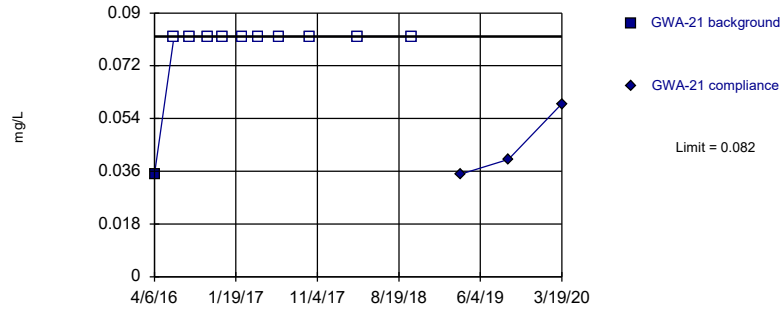
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
 Intrawell Non-parametric

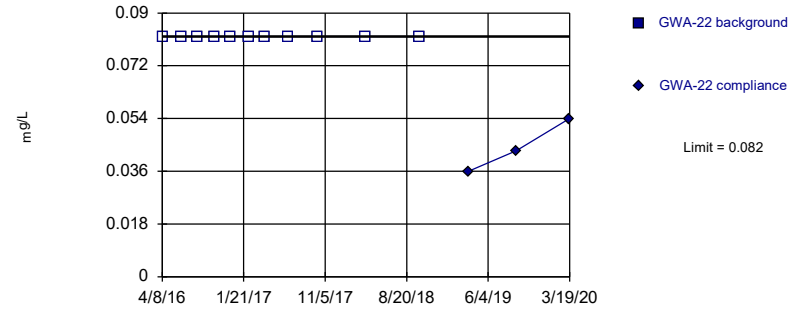


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

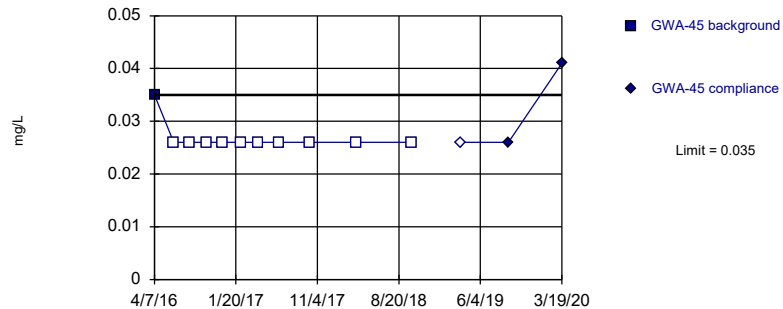


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

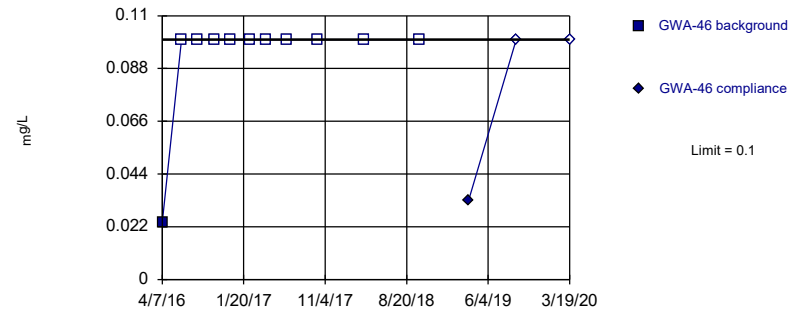


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

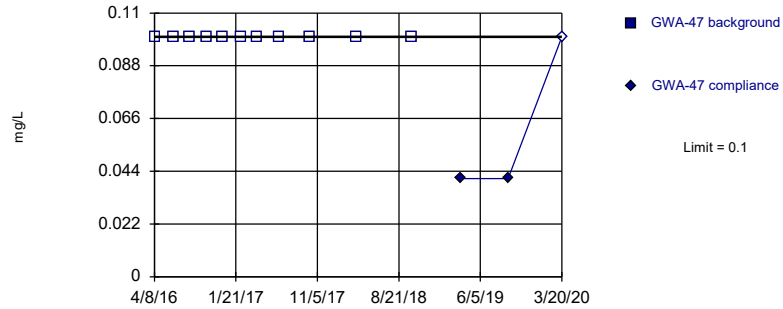


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

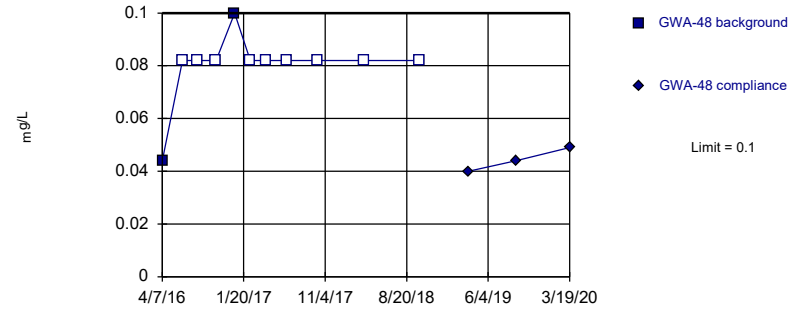


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

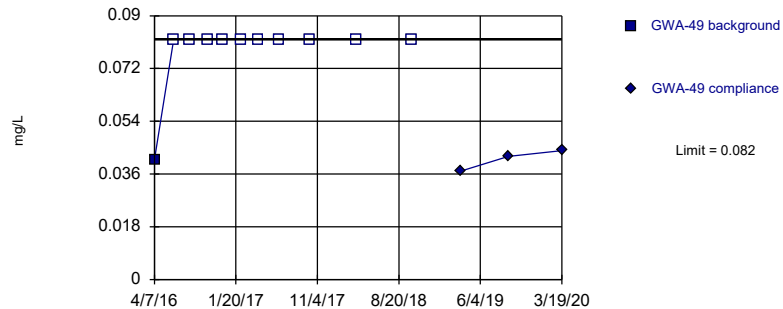


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

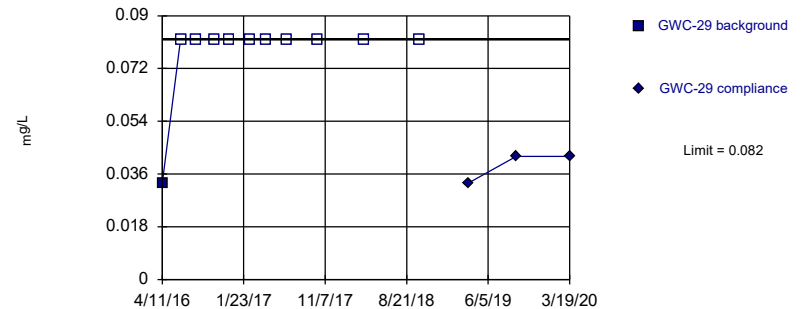


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

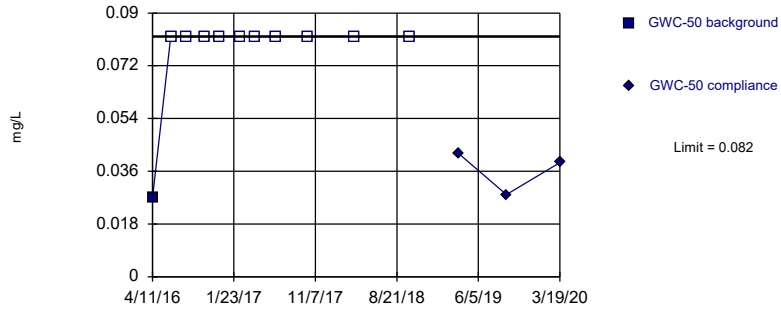


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

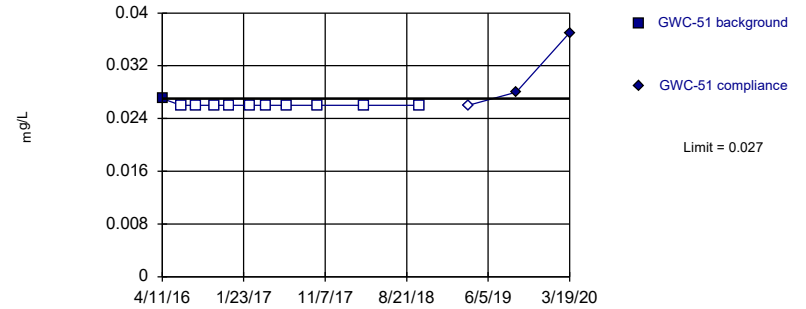


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

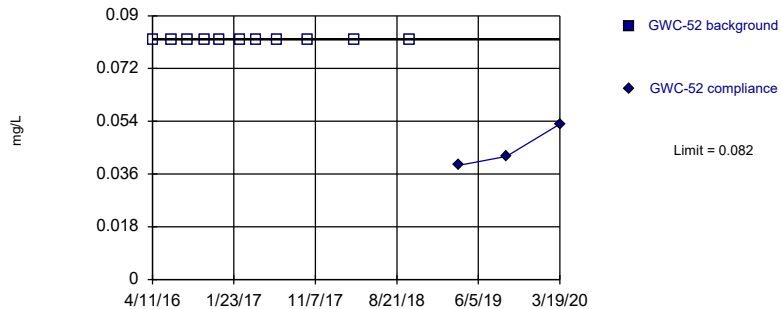


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

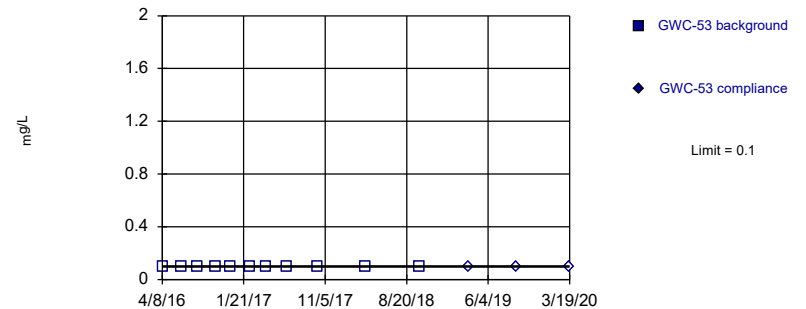


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

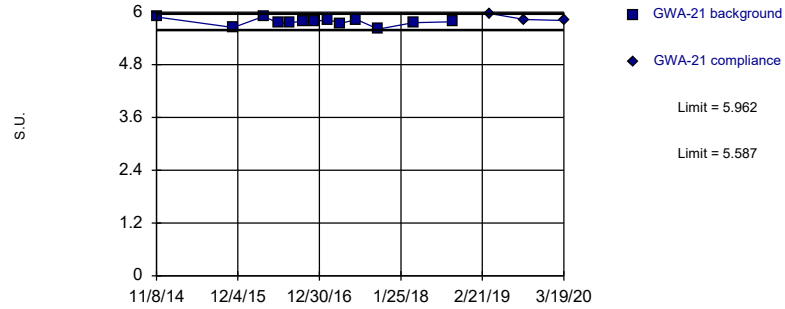


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

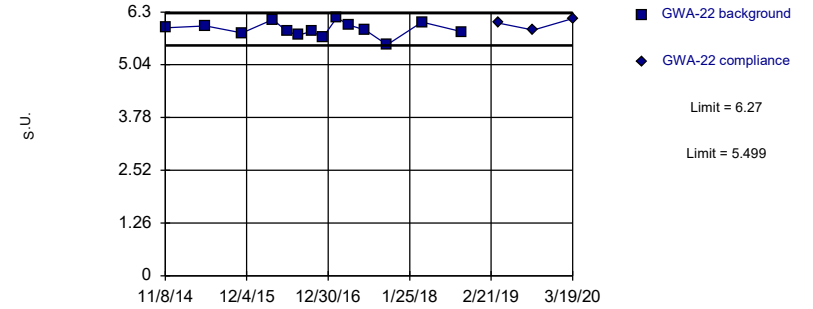


Background Data Summary: Mean=5.775, Std. Dev.=0.08222, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

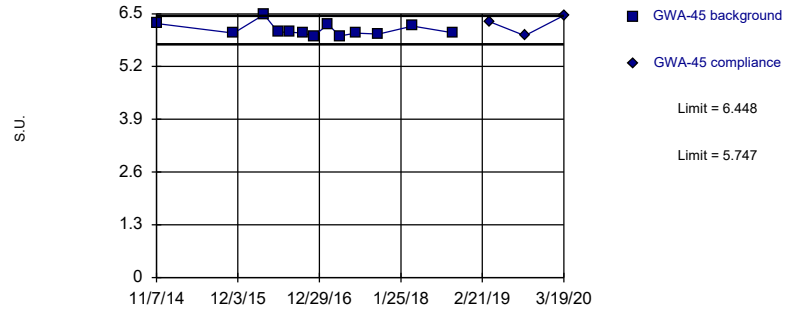


Background Data Summary: Mean=5.884, Std. Dev.=0.1725, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9782, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

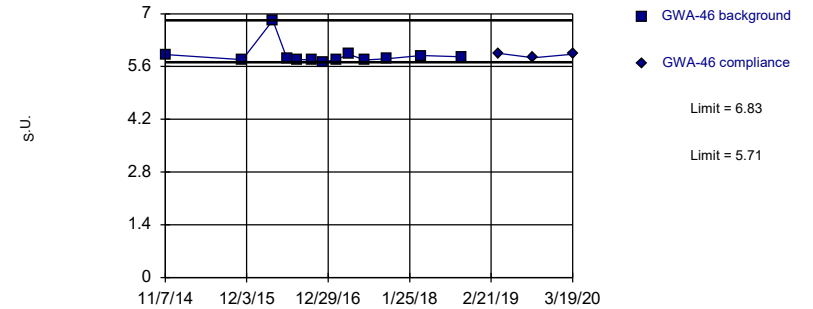


Background Data Summary: Mean=6.098, Std. Dev.=0.1537, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8145, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

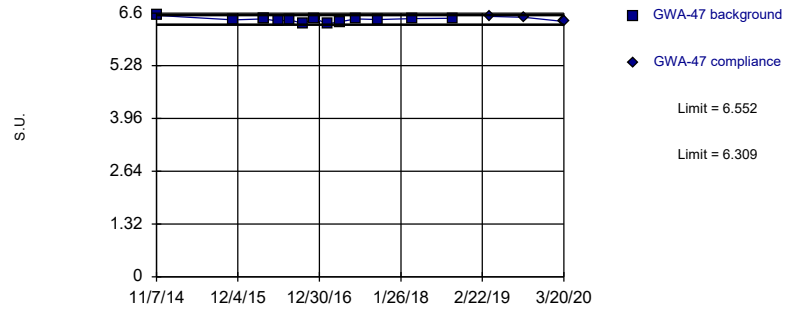


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 13 background values. Well-constituent pair annual alpha = 0.03858. Individual comparison alpha = 0.01938 (1 of 2).

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

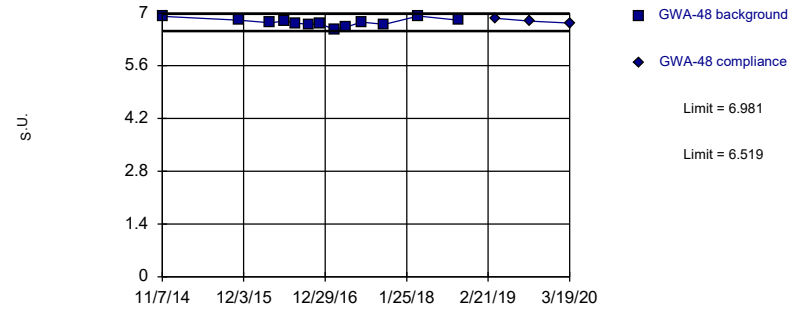


Background Data Summary: Mean=6.431, Std. Dev.=0.05427, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9237, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

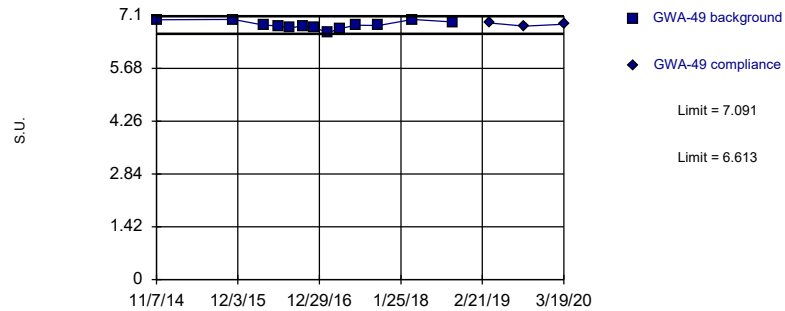


Background Data Summary: Mean=6.75, Std. Dev.=0.1012, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

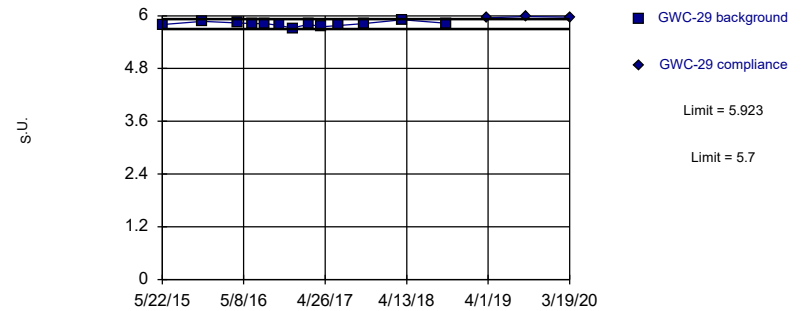


Background Data Summary: Mean=6.852, Std. Dev.=0.1048, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

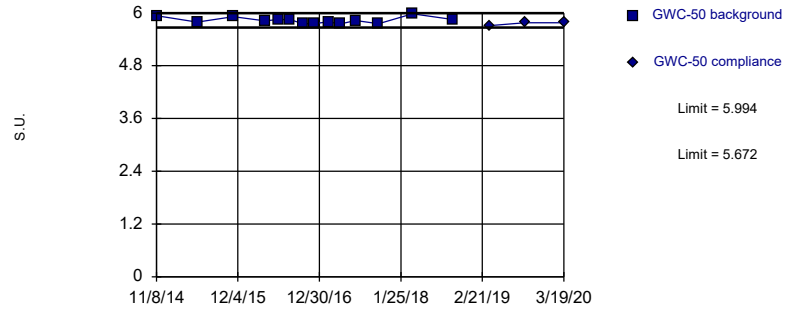


Background Data Summary: Mean=5.812, Std. Dev.=0.04896, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

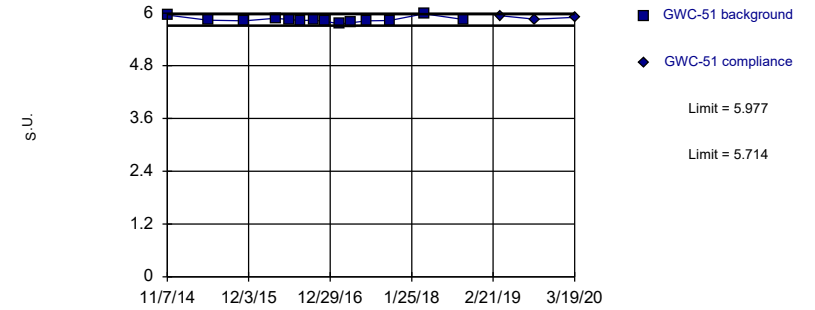


Background Data Summary: Mean=5.833, Std. Dev.=0.07205, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9069, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

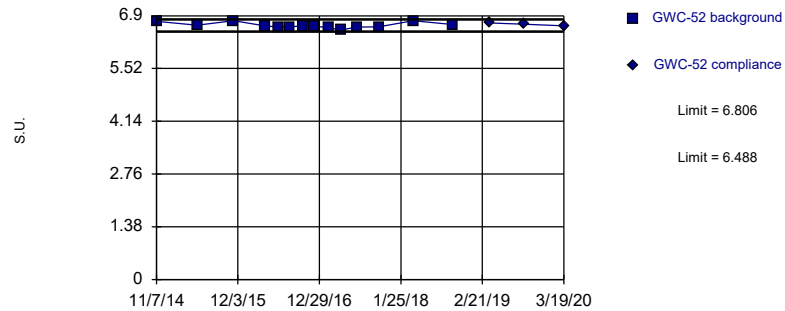


Background Data Summary: Mean=5.846, Std. Dev.=0.0588, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

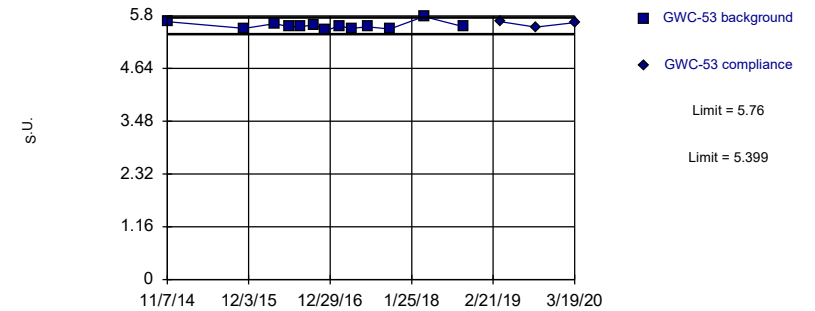


Background Data Summary: Mean=6.647, Std. Dev.=0.07119, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8936, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit  
Intrawell Parametric

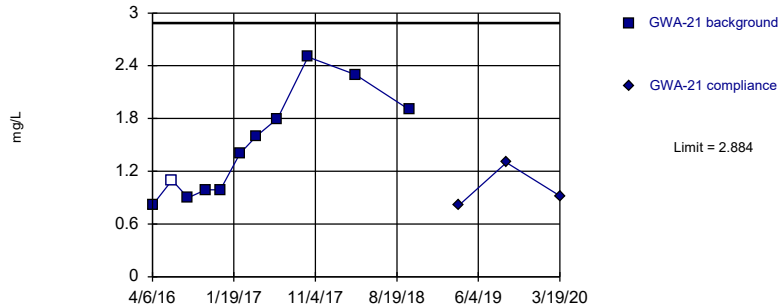


Background Data Summary: Mean=5.579, Std. Dev.=0.07921, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

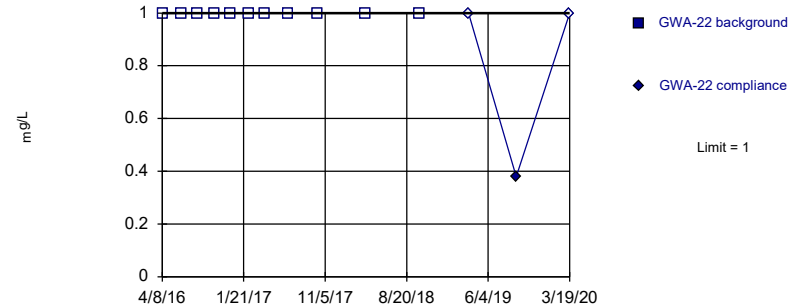


Background Data Summary: Mean=1.481, Std. Dev.=0.5847, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

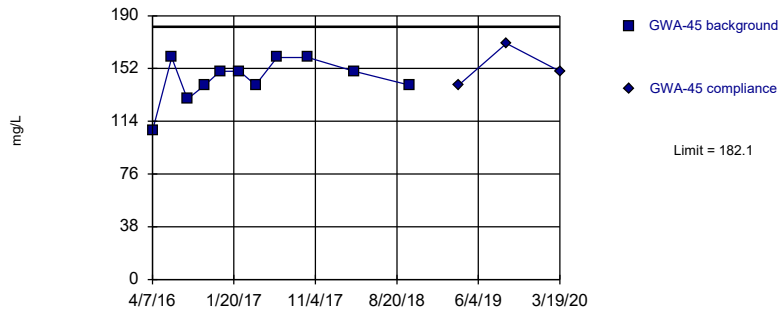


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Parametric

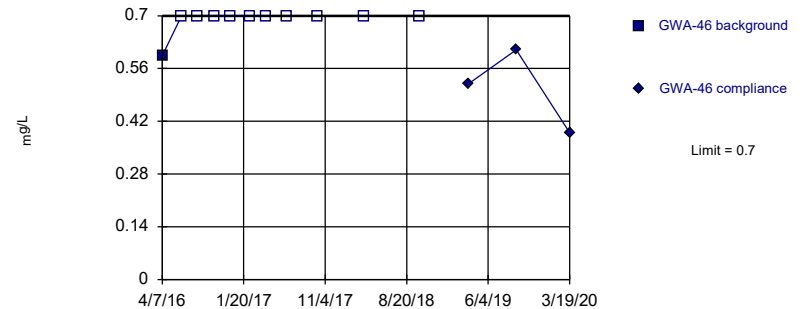


Background Data Summary: Mean=144.3, Std. Dev.=15.75, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

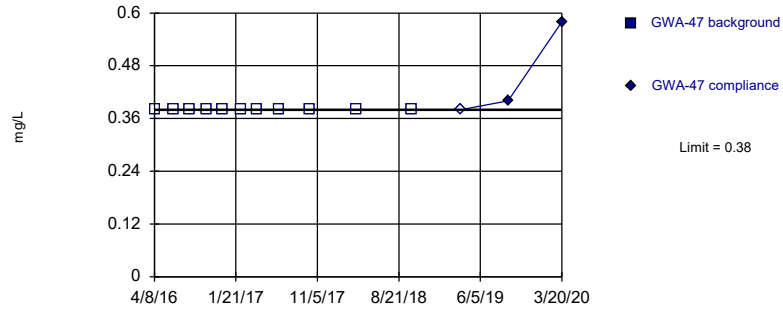


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

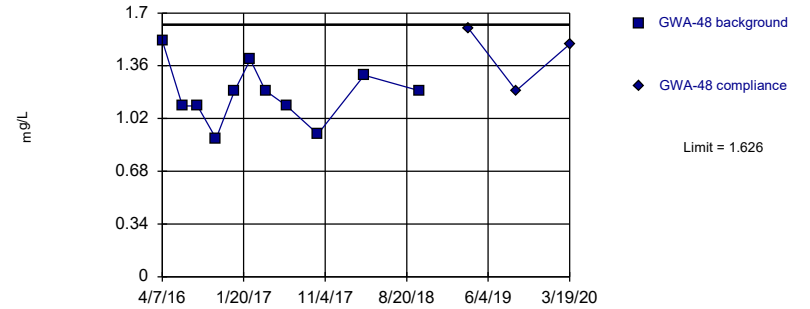


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

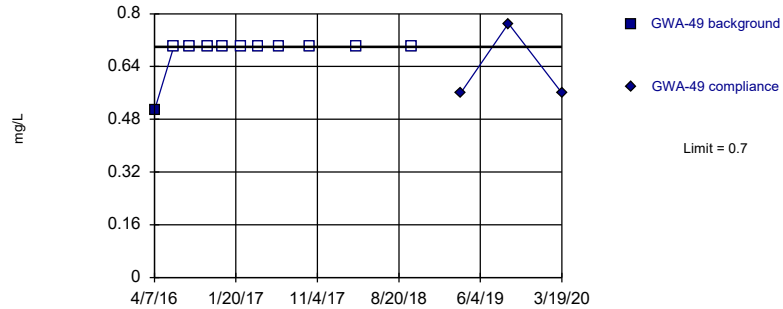


Background Data Summary: Mean=1.176, Std. Dev.=0.1875, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
 Intrawell Non-parametric

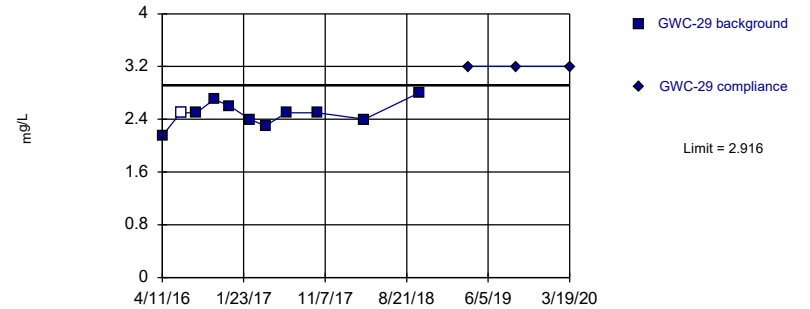


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
 Intrawell Parametric



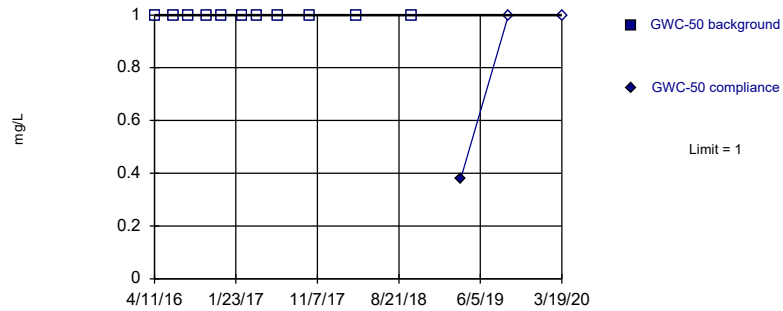
Background Data Summary: Mean=2.486, Std. Dev.=0.179, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9652, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

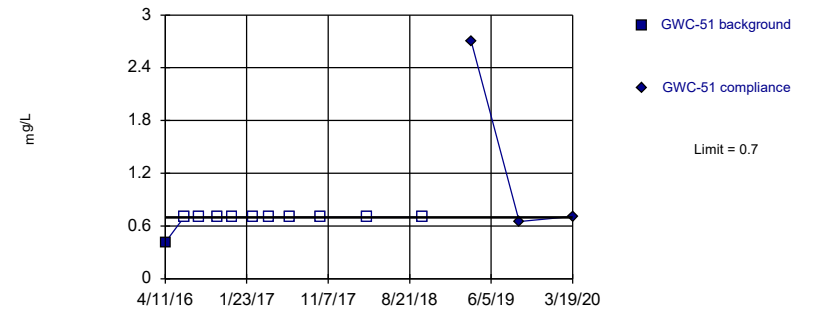


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

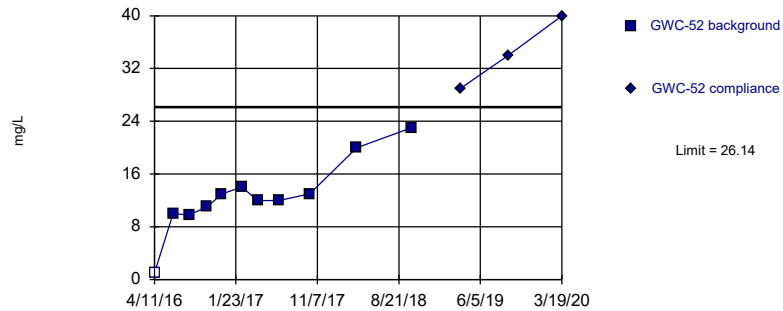


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

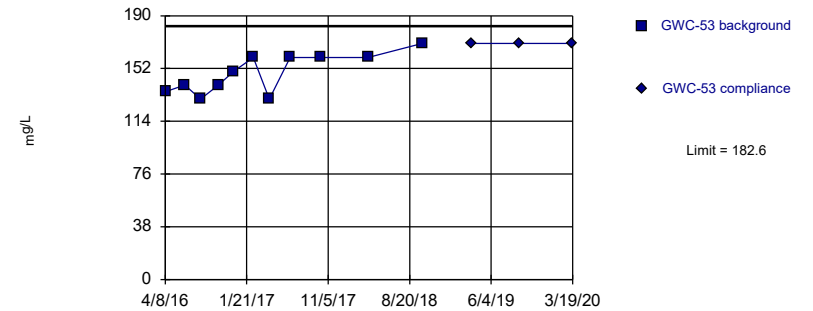


Background Data Summary: Mean=12.62, Std. Dev.=5.636, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

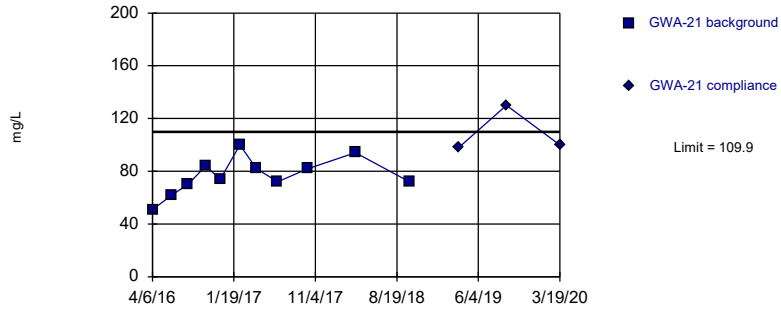
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=148.7, Std. Dev.=14.12, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8913, 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 6/20/2020 9:12 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

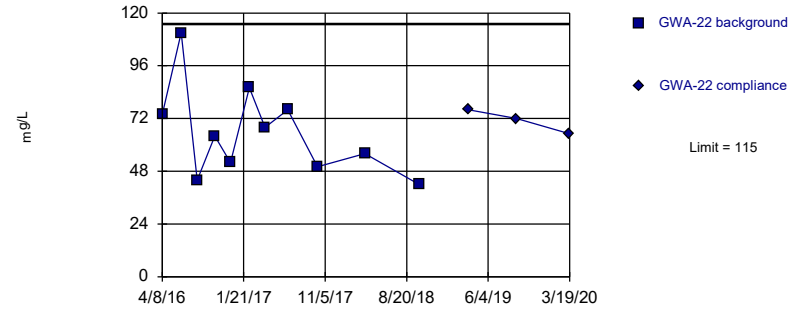
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=76.64, Std. Dev.=13.87, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.976, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

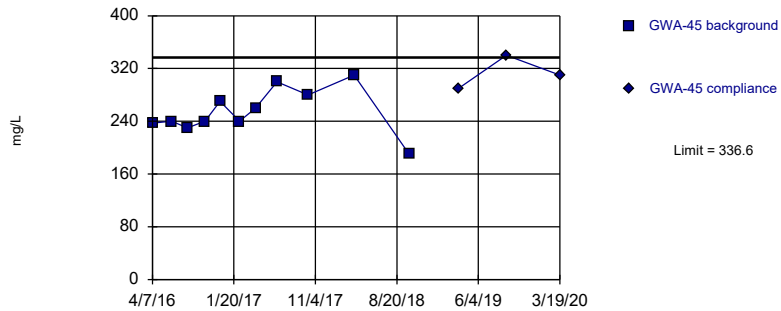
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=65.73, Std. Dev.=20.51, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.926, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit Prediction Limit  
Intrawell Parametric

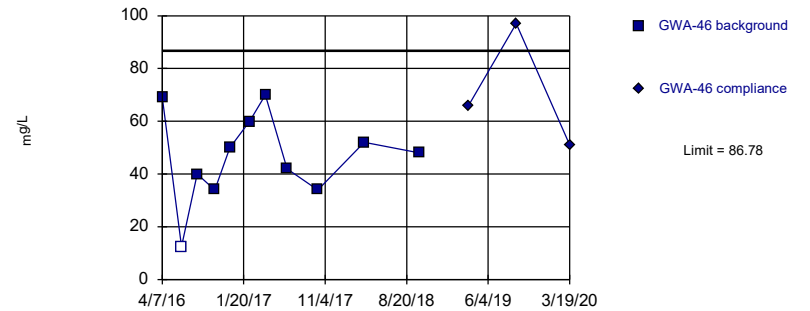


Background Data Summary: Mean=254.3, Std. Dev.=34.3, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9514, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

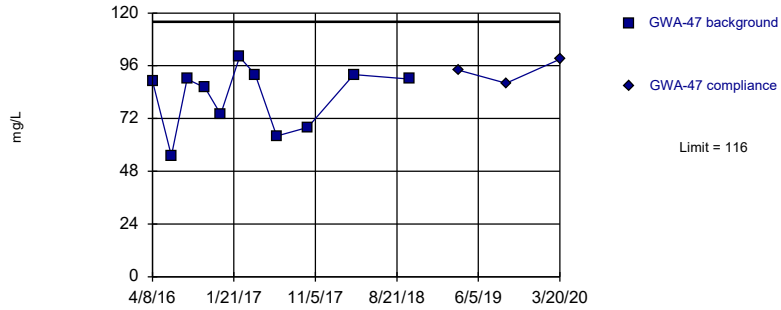
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=46.5, Std. Dev.=16.78, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9584, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:12 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

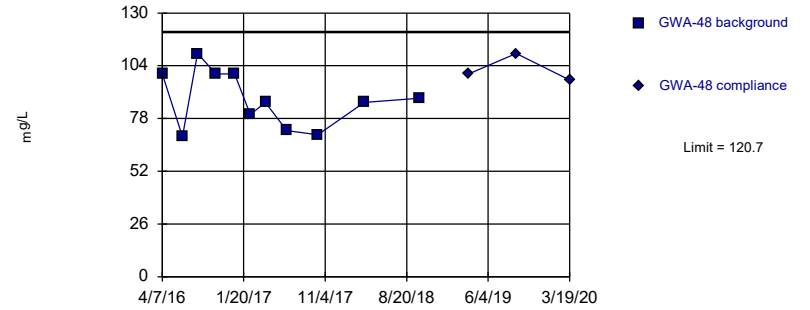
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=81.82, Std. Dev.=14.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

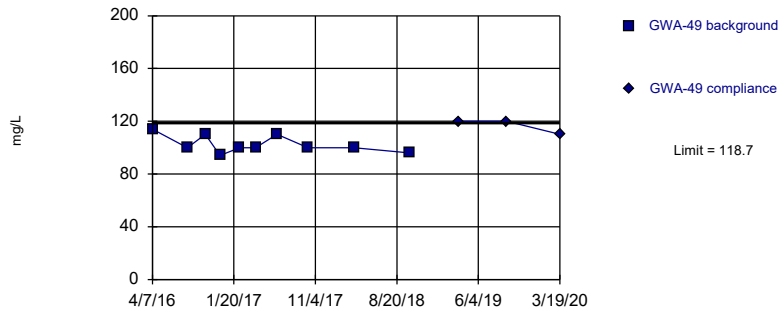
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=87.36, Std. Dev.=13.87, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

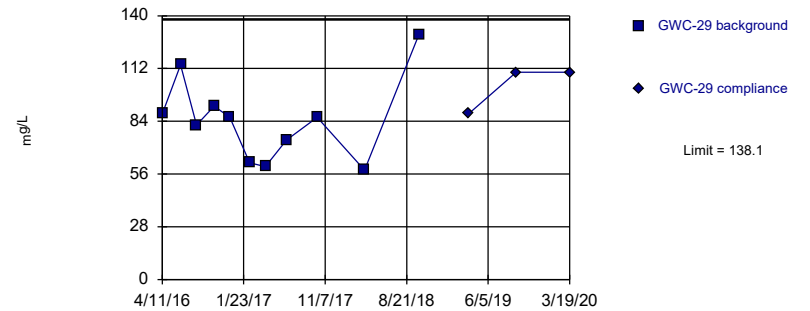
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=102.4, Std. Dev.=6.586, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8509, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

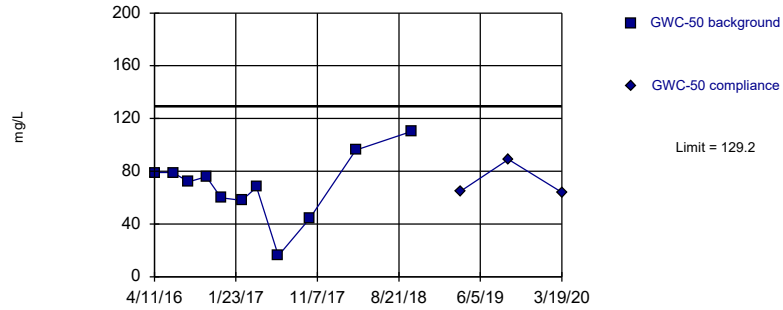
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=84.73, Std. Dev.=22.22, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

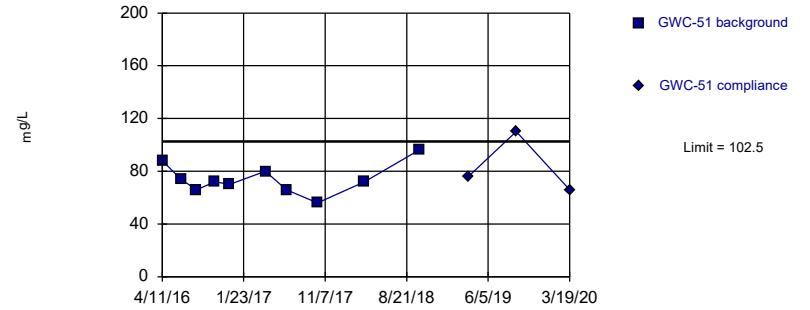
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=68.91, Std. Dev.=25.11, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

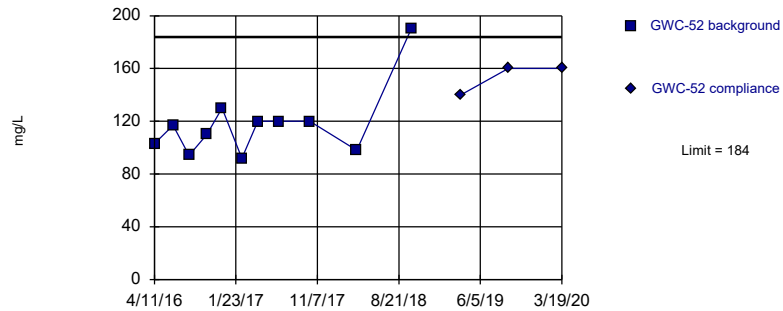
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=74, Std. Dev.=11.51, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9518, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

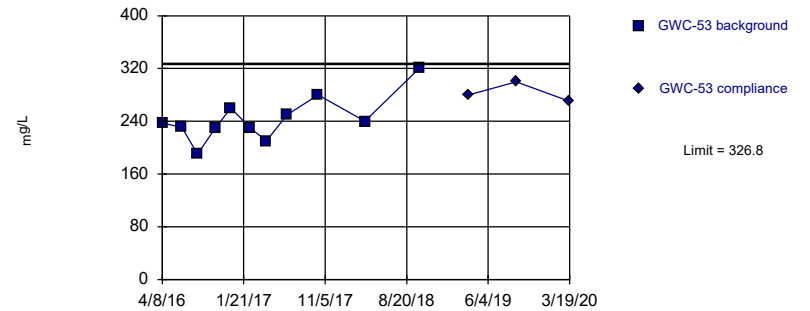
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=10.79, Std. Dev.=1.155, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8156, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=243.5, Std. Dev.=34.73, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9367, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:13 AM View: PL's Federal Plant Scherer Client: Southern Company Data: Scherer PAC CCR

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.08	
6/14/2016	<0.08	
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	
6/26/2017	<0.08	
10/9/2017	<0.08	
3/26/2018	<0.08 (D)	
10/3/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	<0.08	
6/14/2016	<0.08	
8/9/2016	<0.08	
10/10/2016	<0.08	
12/2/2016	<0.08	
2/10/2017	<0.08	
4/7/2017	<0.08	
6/23/2017	<0.08	
10/10/2017	<0.08	
3/23/2018	<0.08	
10/4/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08



# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	<0.08	
6/14/2016	<0.08	
8/9/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<0.08	
2/9/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/22/2018	<0.08	
10/3/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	<0.08	
6/15/2016	<0.08	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<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	
10/4/2018	<0.08	
3/28/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	<0.08	
6/16/2016	<0.08	
8/10/2016	<0.08	
10/13/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/11/2017	<0.08	
3/26/2018	<0.08	
10/4/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/13/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/11/2017	<0.08	
6/24/2017	<0.08	
10/11/2017	<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

# Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal

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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal

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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal

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

# Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	0.035 (J)	
6/14/2016	<0.026	
8/9/2016	<0.026	
10/10/2016	<0.026	
12/2/2016	<0.026	
2/9/2017	<0.026	
4/7/2017	<0.026	
6/22/2017	<0.026	
10/10/2017	<0.026	
3/22/2018	<0.026 (D)	
10/3/2018	<0.026	
3/27/2019		<0.026
9/12/2019		0.026 (J)
3/19/2020		0.041 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal

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

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)



# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	0.027 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
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	
10/4/2018	<0.082	
3/28/2019		0.042 (J)
9/12/2019		0.028 (J)
3/19/2020		0.039 (J)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal

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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	0.594 (J)	
6/14/2016	<0.7	
8/9/2016	<0.7	
10/10/2016	<0.7	
12/2/2016	<0.7	
2/10/2017	<0.7	
4/7/2017	<0.7	
6/23/2017	<0.7	
10/10/2017	<0.7	
3/23/2018	<0.7	
10/4/2018	<0.7	
3/27/2019		0.52 (J)
9/12/2019		0.61 (J)
3/19/2020		0.39 (J)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.507 (J)	
6/14/2016	<0.7	
8/9/2016	<0.7	
10/11/2016	<0.7	
12/2/2016	<0.7	
2/9/2017	<0.7	
4/7/2017	<0.7	
6/22/2017	<0.7	
10/10/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/27/2019		0.56 (J)
9/12/2019		0.77 (J)
3/19/2020		0.56 (J)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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)

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/20/2020 9:17 AM View: PL's Federal  
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



FIGURE G.

# Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/19/2020, 11:38 AM

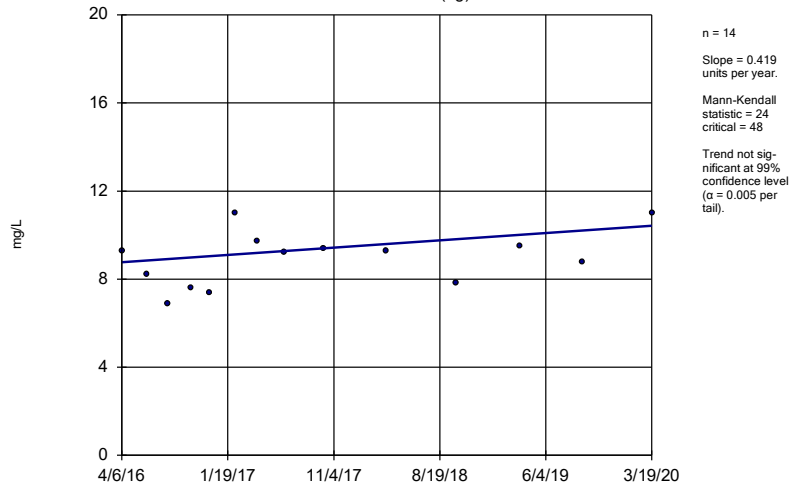
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	0.866	58	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.364	58	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4014	60	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-53	0.6515	52	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	7.89	77	48	Yes	14	7.143	n/a	n/a	0.01	NP

# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 6/19/2020, 11:38 AM

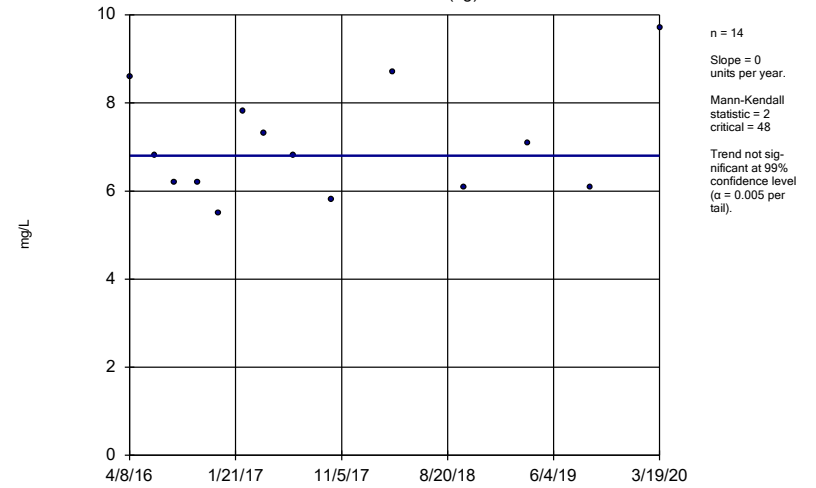
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.419	24	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	2.439	43	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2267	31	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.2489	36	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.265	34	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	12	48	No	14	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>0.866</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.364</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.2699	41	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4393	-35	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.0411	15	48	No	14	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4014</b>	<b>60</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	-0.1008	-41	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.08738	-33	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.08138	-48	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.1536	36	43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-53</b>	<b>0.6515</b>	<b>52</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.008095	13	58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01822	14	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.002531	-5	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01559	22	58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.003386	7	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	-0.005176	-6	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0	-1	-58	No	16	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.03162	38	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.2692	24	48	No	14	7.143	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-11	-48	No	14	92.86	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	4.495	24	48	No	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-22	-48	No	14	71.43	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	25	48	No	14	85.71	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.04356	20	48	No	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	3	48	No	14	71.43	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-29	0.2158	41	48	No	14	7.143	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>7.89</b>	<b>77</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>7.143</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

### Sen's Slope Estimator GWA-21 (bg)



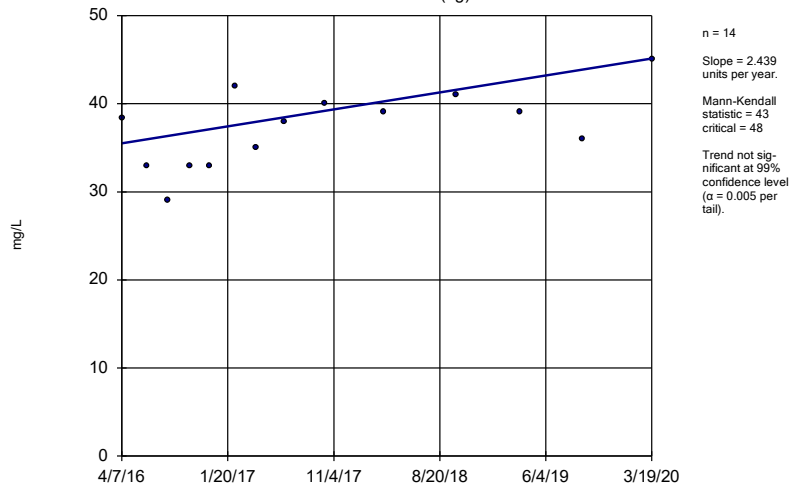
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-22 (bg)



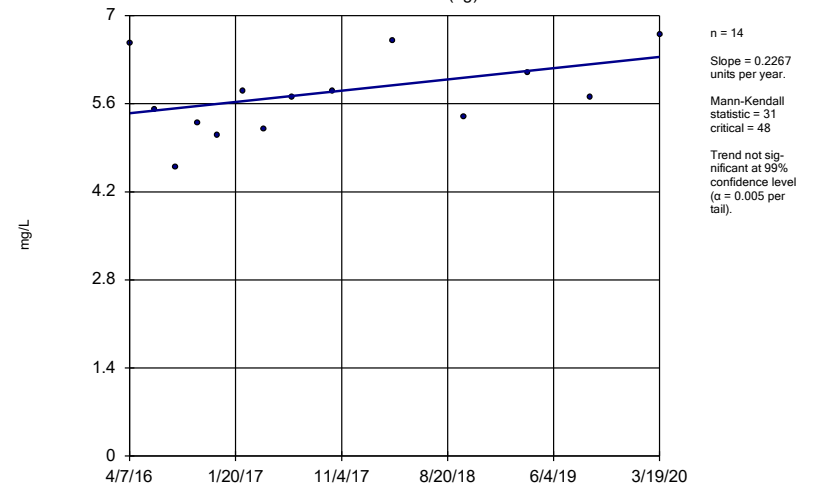
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-45 (bg)



Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

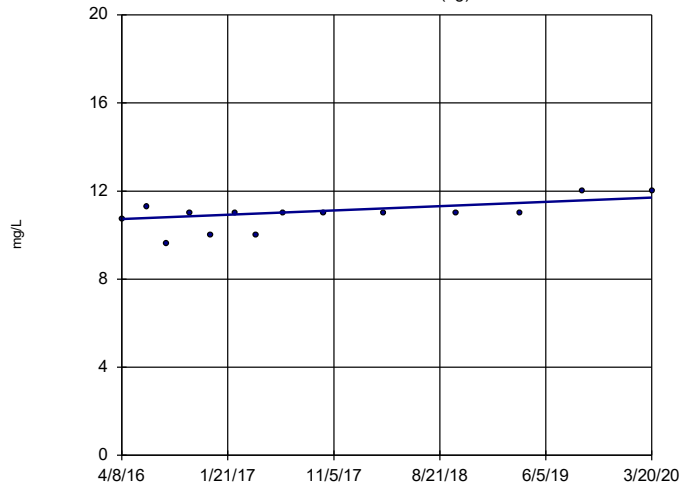
### Sen's Slope Estimator GWA-46 (bg)



Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-47 (bg)

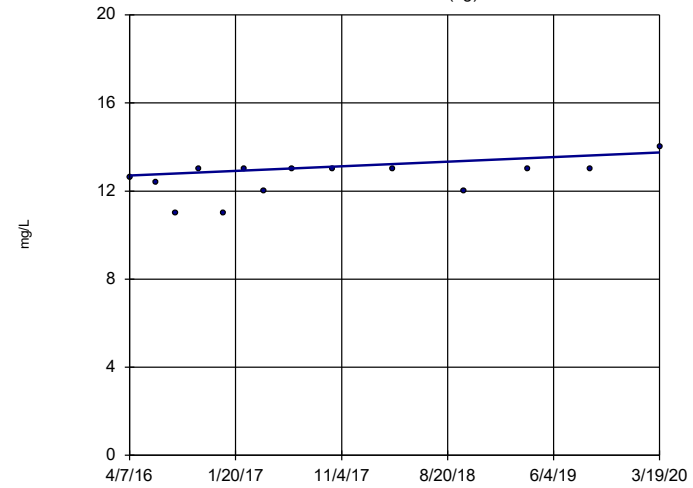


n = 14  
 Slope = 0.2489  
 units per year.  
 Mann-Kendall  
 statistic = 36  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-48 (bg)

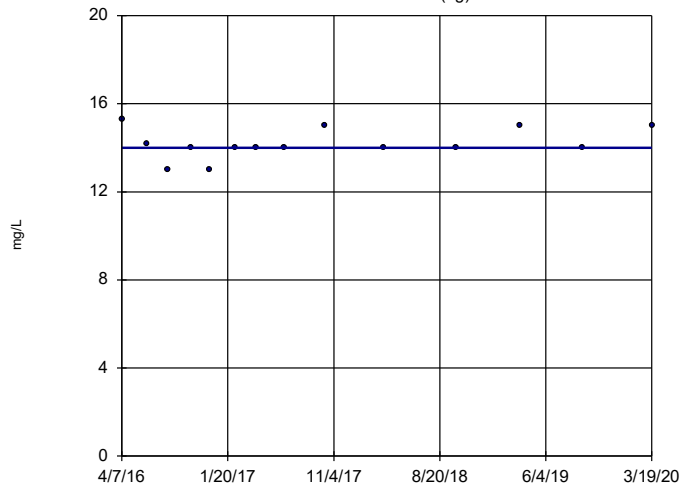


n = 14  
 Slope = 0.265  
 units per year.  
 Mann-Kendall  
 statistic = 34  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-49 (bg)

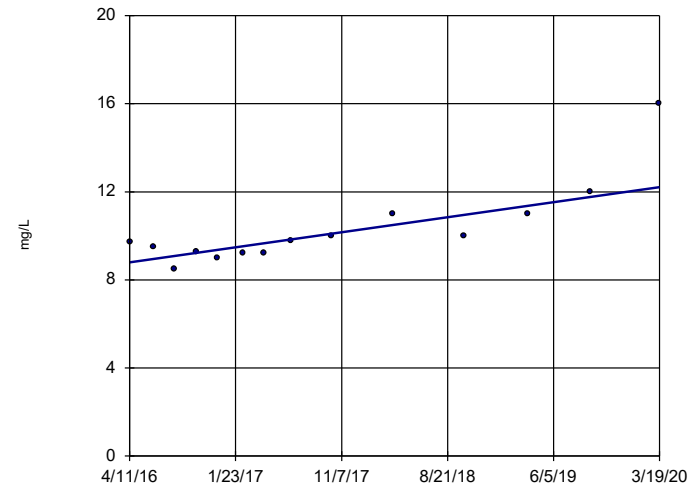


n = 14  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 12  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

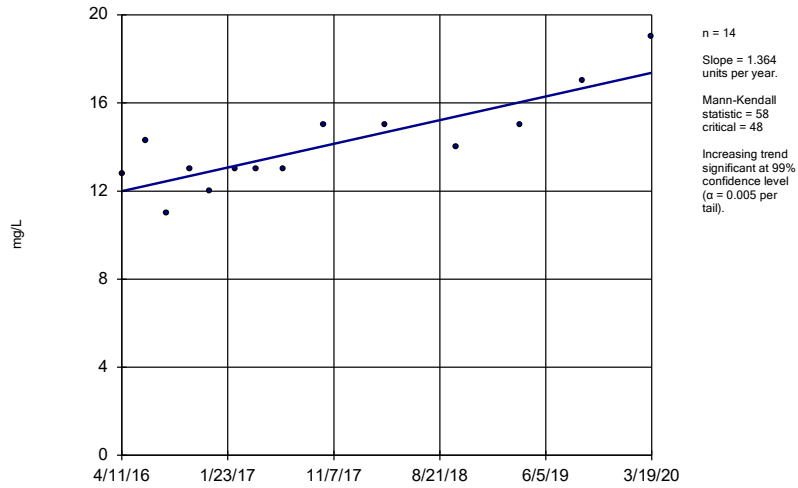
GWC-29



n = 14  
 Slope = 0.866  
 units per year.  
 Mann-Kendall  
 statistic = 58  
 critical = 48  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

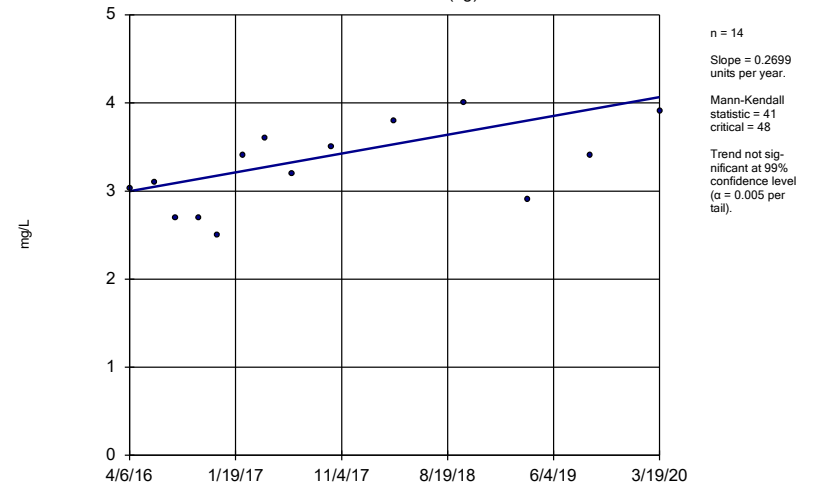
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-52



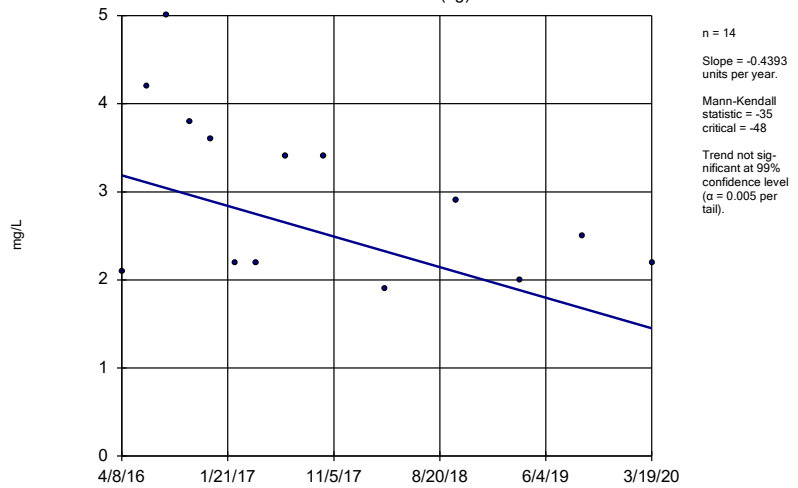
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



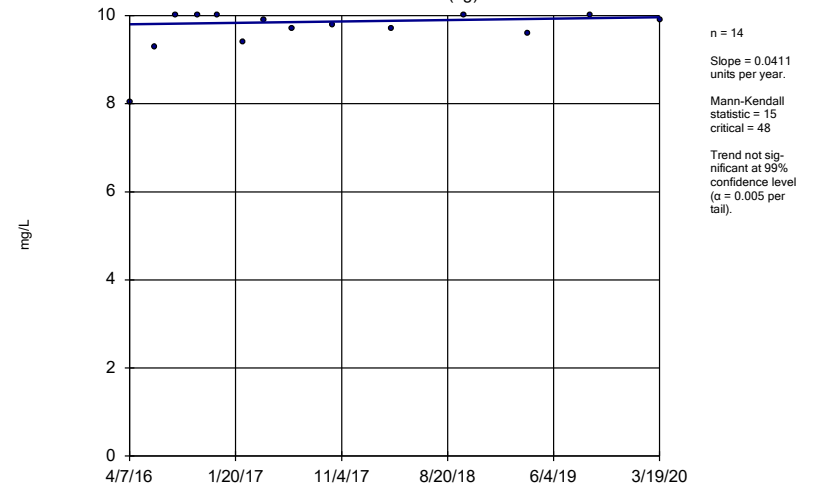
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



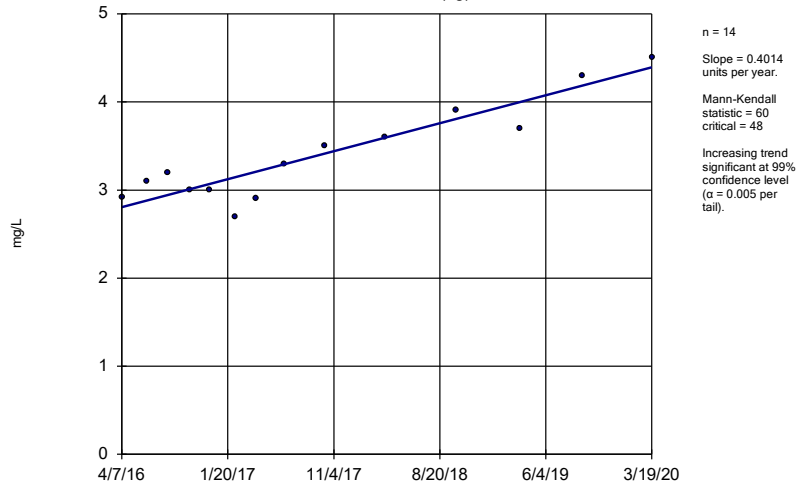
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-45 (bg)



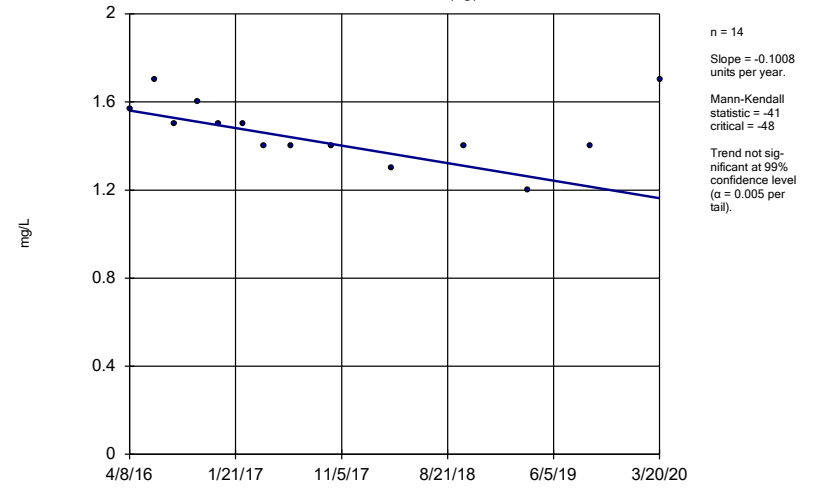
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-46 (bg)



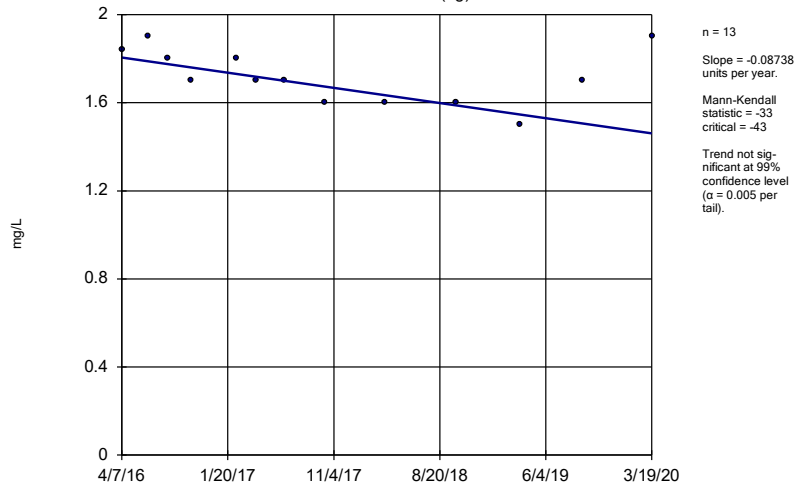
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-47 (bg)



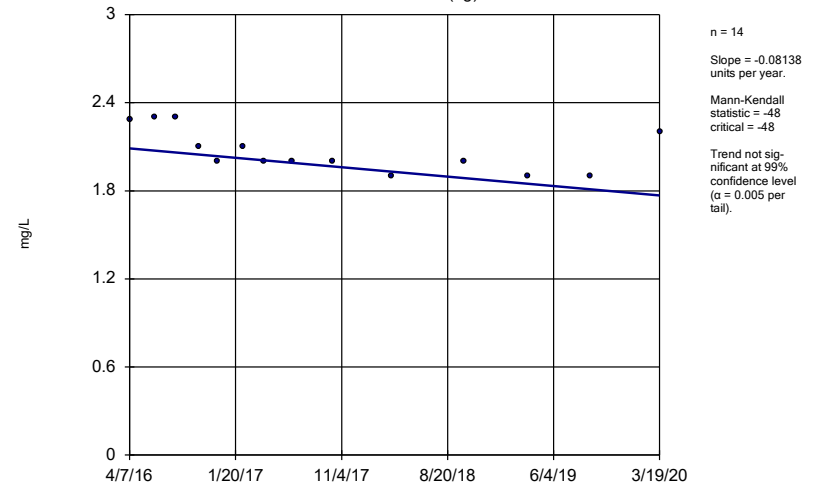
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-48 (bg)



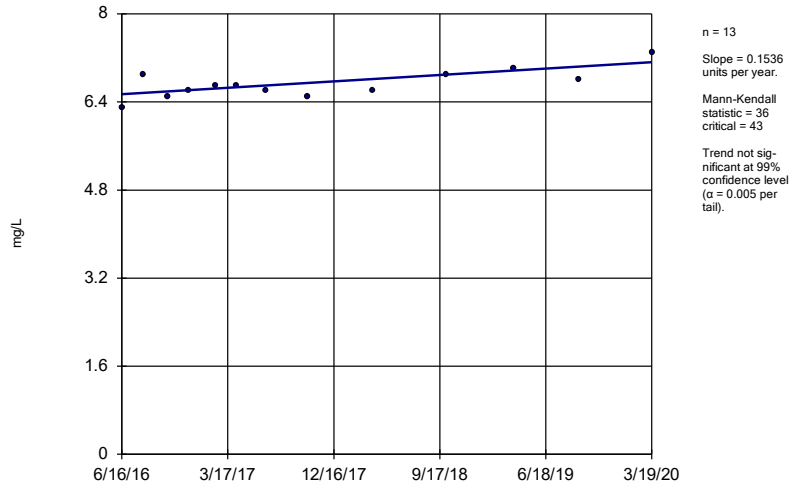
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-49 (bg)



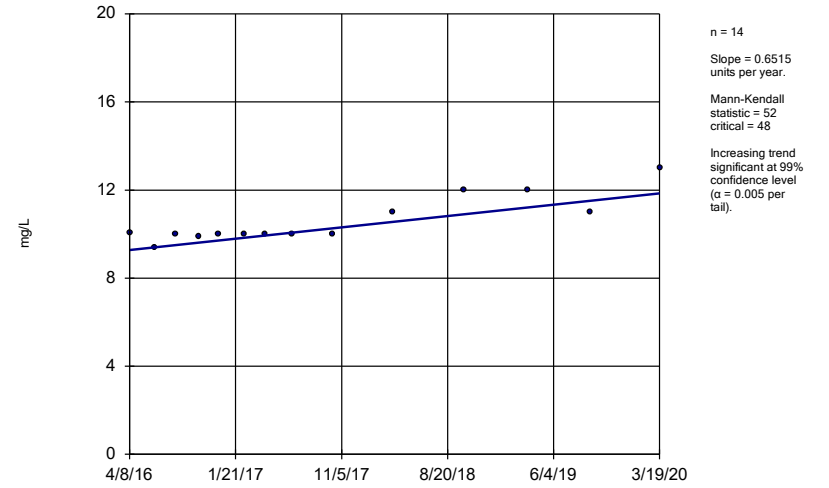
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-51



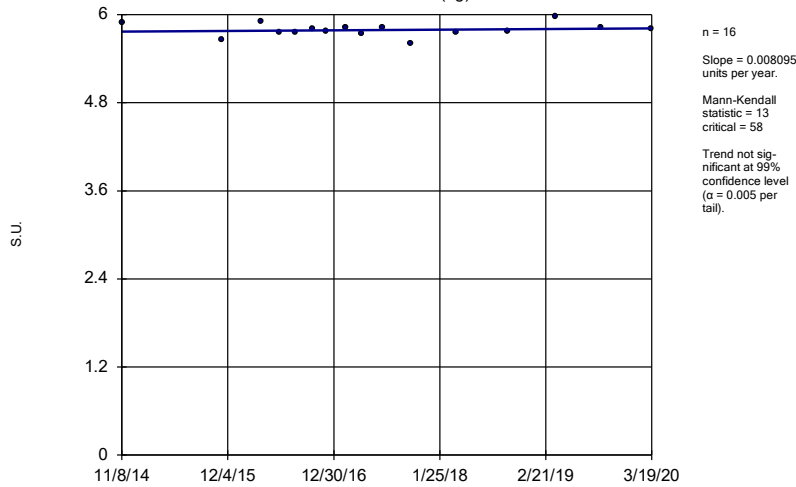
Constituent: Chloride, Total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-53



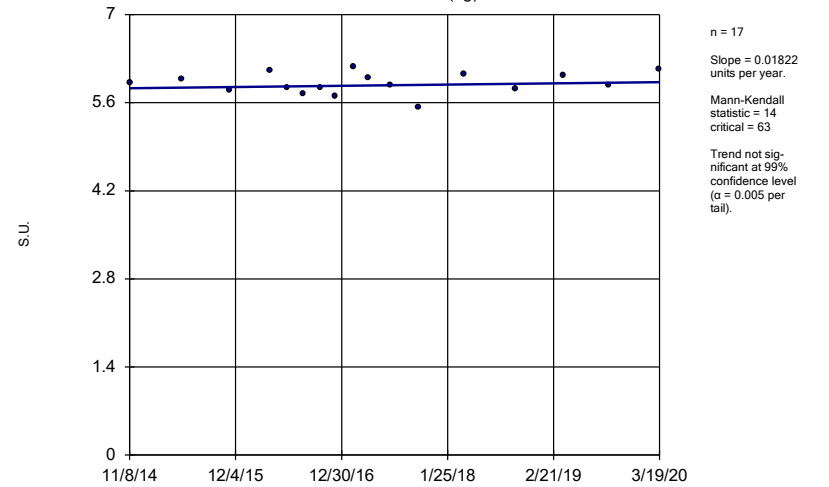
Constituent: Chloride, Total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)

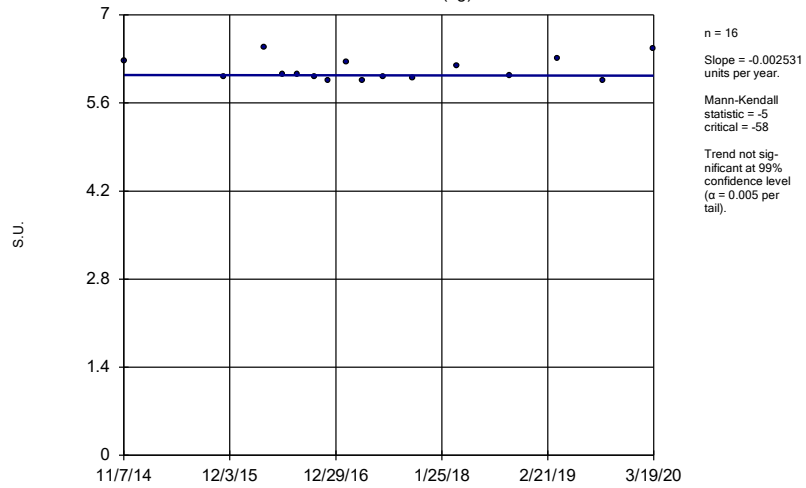


Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



### Sen's Slope Estimator

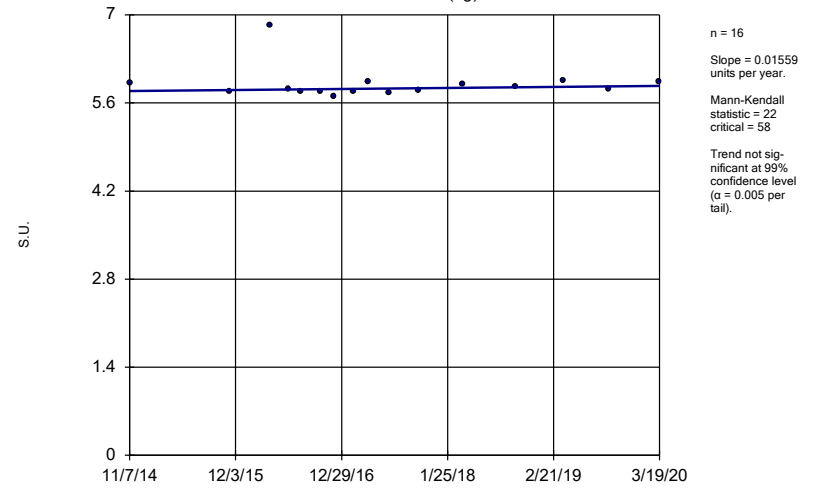
GWA-45 (bg)



Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

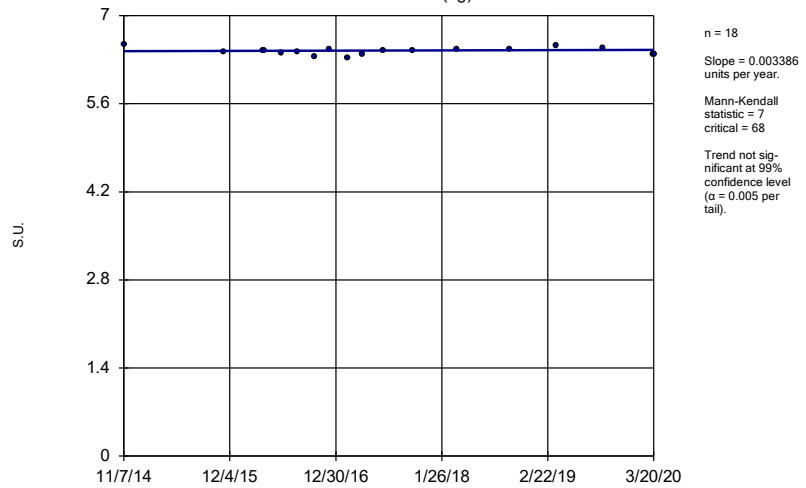
GWA-46 (bg)



Constituent: pH Analysis Run 6/19/2020 11:38 AM 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 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

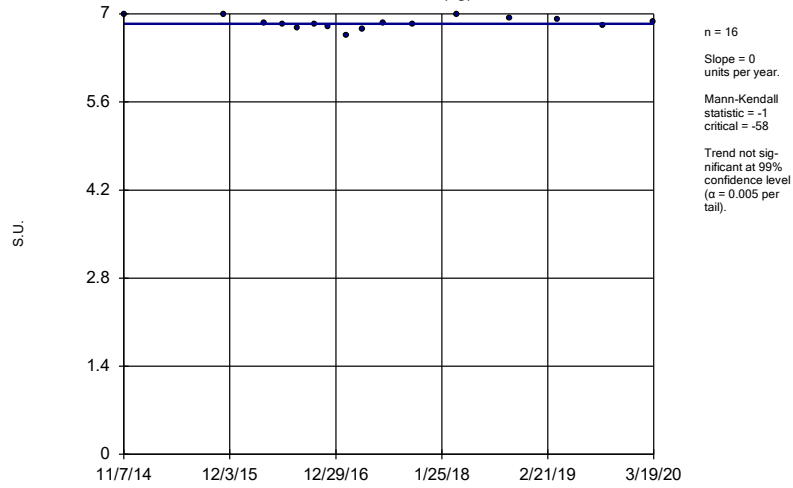
GWA-48 (bg)



Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

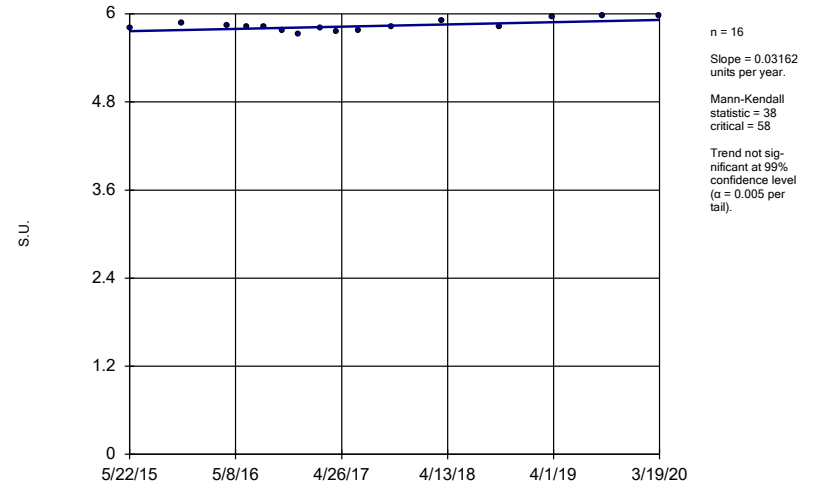
GWA-49 (bg)



Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

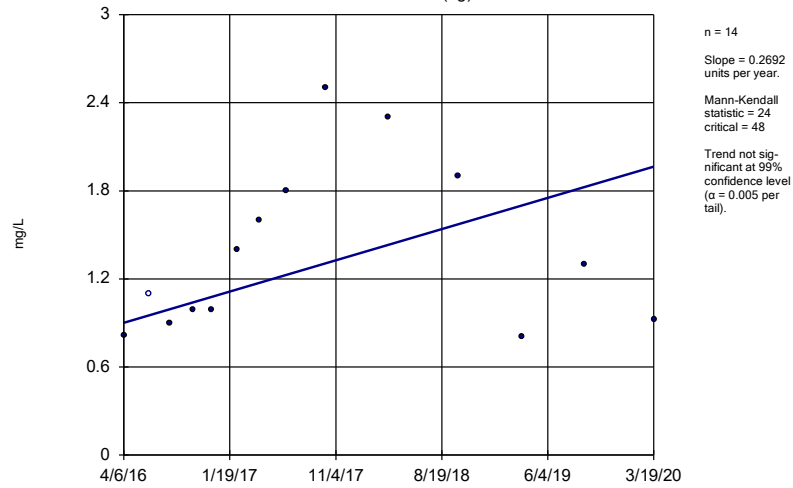
GWC-29



Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

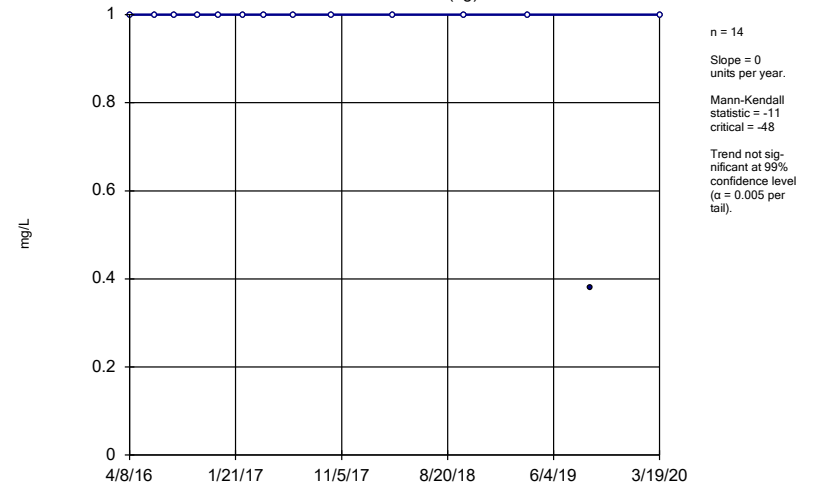
GWA-21 (bg)



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

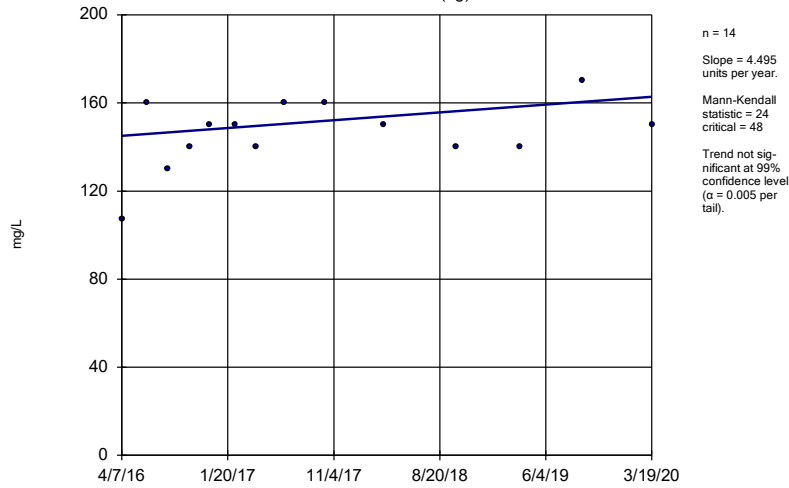
GWA-22 (bg)



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

GWA-45 (bg)

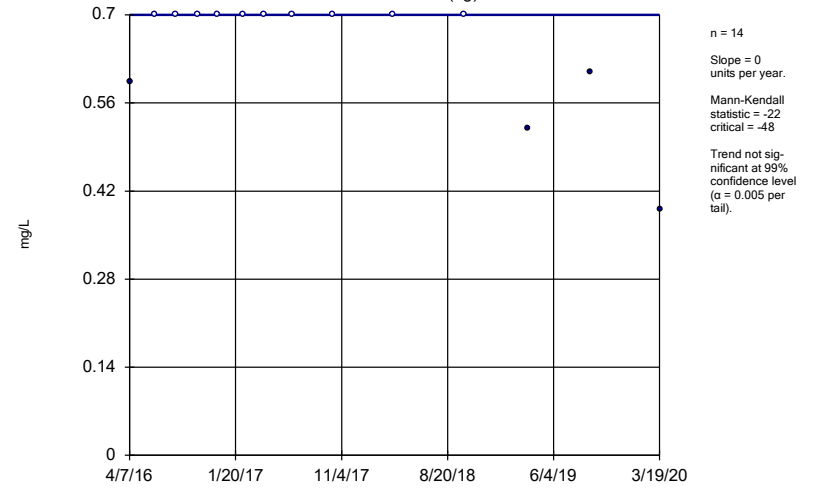


Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

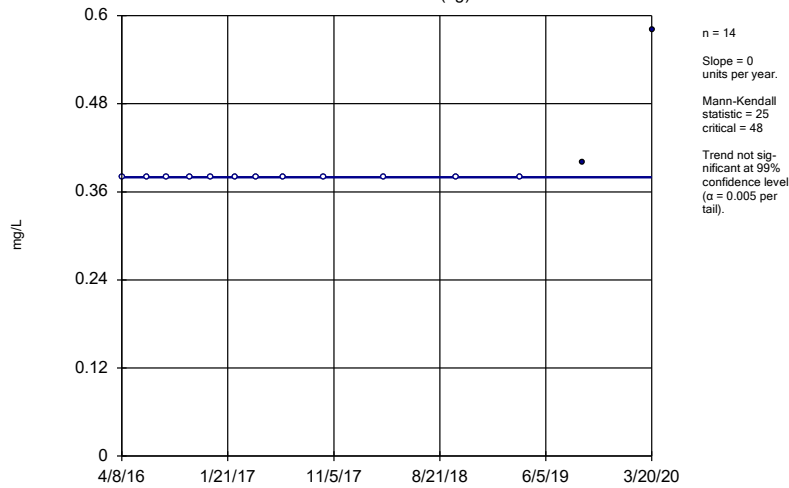
GWA-46 (bg)



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator

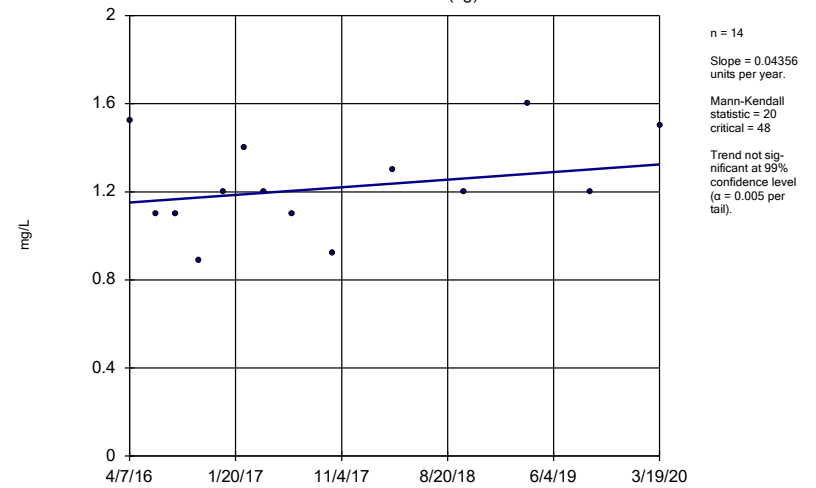
GWA-47 (bg)



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

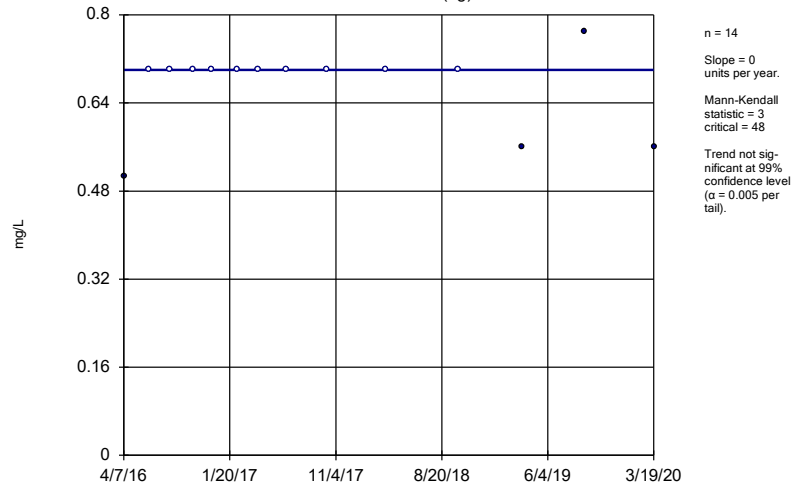
### Sen's Slope Estimator

GWA-48 (bg)



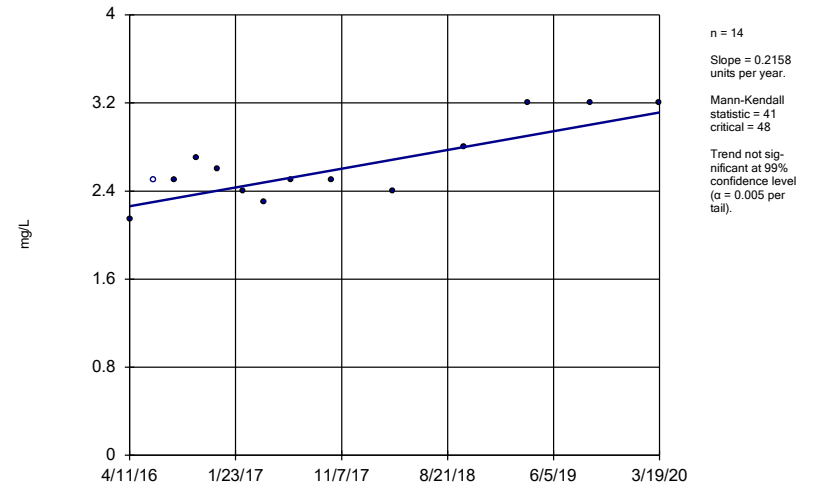
Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-49 (bg)



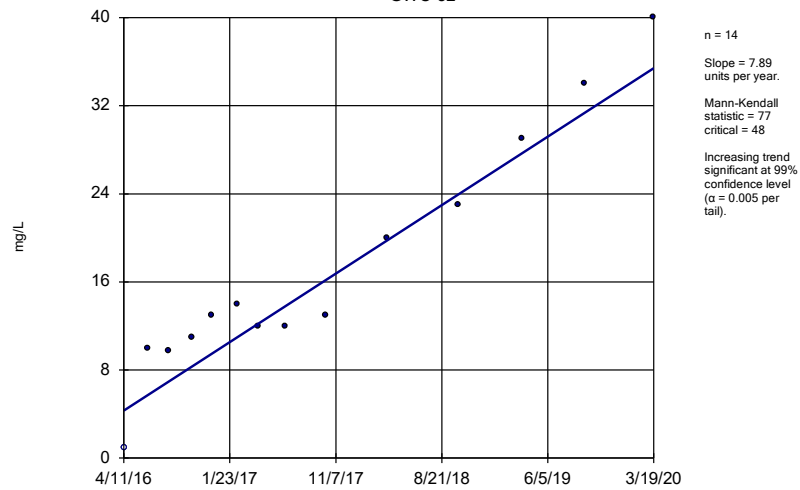
Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-29



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-52



Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

**APPENDIX C**

**STATISTICAL ANALYSES  
SEPTEMBER 2020**

## GROUNDWATER STATS CONSULTING



November 22, 2020

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 September 2020

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2020 Semi-Annual Groundwater Monitoring and Statistical Analysis summary of groundwater quality 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. 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 there are 100% nondetects present in downgradient wells for a given constituent. A list of those well/constituent pairs 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 nondetects. 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 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 were 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, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 15 (beryllium was 100% nondetect in all downgradient wells)
- # 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 nondetects, 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 nondetects (USEPA, 2009):



- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

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.

## **Background Screening Summary – Georgia EPD – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots are 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 nondetects. 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, they 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 for a constituent analyzed by intrawell limits, by truncating the earlier portion of the record, it is assumed that the trend is not the result of the facility. This assumption is supported by a boxplot across 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 Screening Summary – 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.

### **Statistical Analysis of Georgia EPD Constituents – September 2020**

Based on the August 2019 background screening described above, 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.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through October 2018 within each well with detections for antimony, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, thallium, vanadium, and zinc (Figure D). As previously discussed, no statistical analyses were included for constituents which contain 100% nondetects in downgradient wells. This includes beryllium at all downgradient wells. The current detected value of beryllium in well GWC-7 is an estimated (J-flagged) value below the reporting limit; therefore, no prediction limits were calculated.

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-10, GWC-11, and GWC-19
- Zinc: GWC-11

The current concentration of cobalt at well GWC-12 is 0.57 ug/L which exceeds the intrawell limit of 0.49 ug/L. However, the measured value is estimated (J-flagged) and is, therefore, not recorded as an exceedance.

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 E). The following statistical exceedances were noted for the interwell prediction limits:

- Zinc: GWC-11

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using pooled upgradient well data through September 2020 to develop background limits for arsenic and silver (Figure F). No statistical exceedances were noted for the interwell prediction limits. Summary tables of the intrawell and interwell prediction limits and exceedances follow this letter along with the complete graphical results (Figures D, E, and F). For future semi-annual sampling events, the interwell limits will be updated each time after careful screening for new outliers with the current upgradient well data, while the intrawell prediction limits will remain the same until the next background update.

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 tests, which evaluate both the entire record as well as the most recent 8 measurements, for selenium at well GWC-5 are included at the end of the trend test

section for State prediction limit exceedances (Figure G). While no statistically significant trend is present when the entire record is evaluated, a statistically significant decreasing trend is present when evaluating the most recent 8 measurements and demonstrates that more recent concentrations are returning to background levels. 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 G). Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWC-10

Decreasing:

- Barium: GWA-16 (upgradient) and GWA-17 (upgradient)
- Selenium: GWC-5

### **Statistical Analysis of Appendix III Parameters – September 2020**

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 through October 2018. The September 2020 samples were compared to those 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 H). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWC-8A and GWC-19
- Chloride: GWC-7, GWC-8A, GWC-10, GWC-18, and GWC-19
- pH: GWC-3, GWC-6, GWC-14, and GWC-19
- Sulfate: GWC-10, GWC-13, GWC-15 (upgradient), and GWC-19
- TDS: GWC-8A

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedance (Figure I). The following statistical exceedances were noted for the interwell prediction limits:



- Calcium: GWC-8A and GWC-19
- Chloride: GWC-8A
- TDS: GWC-8A

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 J). 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 and GWC-13

Decreasing:

- Chloride: GWA-16 (upgradient) and GWA-17 (upgradient)

### **Summary of Statistical Analysis Results:**

#### **Georgia EPD Analysis:**

Intrawell PL Exceedances:

- Barium: GWC-10, GWC-11, and GWC-19
- Zinc: GWC-11

Interwell PL Exceedances (2-Step Analysis):

- Zinc: GWC-11

Inter PL Exceedances (Arsenic & Silver):

- None

Trend Analysis of PL Exceedances:

Increasing:

- Barium: GWC-10

Decreasing:

- Barium: GWA-16 (upgradient) and GWA-17 (upgradient)
- Selenium: GWC-5

## **CCR Analysis:**

### Intrawell PL Exceedances:

- Calcium: GWC-8A and GWC-19
- Chloride: GWC-7, GWC-8A, GWC-10, GWC-18, and GWC-19
- pH: GWC-3, GWC-6, GWC-14, and GWC-19
- Sulfate: GWC-10, GWC-13, GWC-15 (upgradient), and GWC-19
- TDS: GWC-8A

### Interwell PL Exceedances (2-Step Analysis):

- Calcium: GWC-8A and GWC-19
- Chloride: GWC-8A
- TDS: GWC-8A

### Trend Analysis of PL Exceedances:

#### Increasing:

- Calcium: GWC-8A
- Chloride: GWC-10
- Sulfate: GWC-10 and GWC-13

#### Decreasing:

- Chloride: GWA-16 (upgradient) and 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,



Kristina L. Rayner  
Groundwater Statistician

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PREPARED IN ANTICIPATION OF LITIGATION  
**100% Non-Detects**

Analysis Run 11/19/2020 4:30 PM View: 100% Nondetects  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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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-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

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

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 (ug/L)

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-20, GWC-3, GWC-5, GWC-6, GWC-8A, GWC-9

## Date Ranges

Date: 11/22/2020 8:24 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Chromium, Total (ug/L)

GWC-1 background:5/3/2012-10/2/2018

GWC-10 background:4/13/2016-10/2/2018

Vanadium (mg/L)

GWC-1 background:5/3/2012-10/3/2018

## State Intrawell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (ug/L)	GWC-10	34.91	n/a	9/9/2020	36	Yes	25	24.34	4.121	8	None	No	0.0002066	Param Intra 1 of 2	
Barium, Total (ug/L)	GWC-11	18	n/a	9/10/2020	20	Yes	25	n/a	n/a	8	n/a	n/a	0.002832	NP Intra (normality) 1 of 2	
Barium, Total (ug/L)	GWC-19	19.97	n/a	9/9/2020	26	Yes	25	89561	27067	4	None	x^4	0.0002066	Param Intra 1 of 2	
Zinc (mg/L)	GWC-11	0.007	n/a	9/10/2020	0.018	Yes	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2	

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## State Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (ug/L)	GWA-16	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-12	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-18	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-19	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-2	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-3	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-7	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Barium, Total (ug/L)	GWA-15	12.69	n/a	9/9/2020	10	No	25	97.35	24.78	4	None	x^2	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWA-16	31.68	n/a	9/9/2020	24	No	25	25.4	2.449	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWA-17	50.54	n/a	9/9/2020	33	No	25	32.57	7.007	4	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-1	58.31	n/a	9/9/2020	46	No	25	46.62	4.557	0	None	No	0.0002066	Param Intra 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>34.91</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>36</b>	<b>Yes</b>	<b>25</b>	<b>24.34</b>	<b>4.121</b>	<b>8</b>	<b>None</b>	<b>No</b>	<b>0.0002066</b>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (ug/L)</b>	<b>GWC-11</b>	<b>18</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>20</b>	<b>Yes</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002832</b>	<b>NP Intra (normality) 1 of 2</b>
Barium, Total (ug/L)	GWC-12	19.05	n/a	9/10/2020	19	No	25	3545	1313	8	None	x^3	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-13	41.77	n/a	9/10/2020	37	No	25	3.096	0.1457	0	None	x^(1/3)	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-14	10.84	n/a	9/9/2020	10	No	23	7548	2400	4.348	None	x^4	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-18	42.44	n/a	9/9/2020	36	No	25	43231	12957	4	None	x^3	0.0002066	Param Intra 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-19</b>	<b>19.97</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>26</b>	<b>Yes</b>	<b>25</b>	<b>89561</b>	<b>27067</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0002066</b>	<b>Param Intra 1 of 2</b>
Barium, Total (ug/L)	GWC-2	55.66	n/a	9/9/2020	47	No	25	45.08	4.125	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-20	36.17	n/a	9/10/2020	31	No	25	27034	7901	4	None	x^3	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-3	39	n/a	9/10/2020	15	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Barium, Total (ug/L)	GWC-4	50.44	n/a	9/10/2020	45	No	25	37.22	5.153	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-5	139.7	n/a	9/9/2020	33	No	25	6.24	2.174	0	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-6	66.69	n/a	9/10/2020	56	No	25	53.82	5.017	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-7	41.85	n/a	9/10/2020	39	No	25	31.71	3.951	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-8A	113	n/a	9/9/2020	53	No	25	45.78	26.22	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-9	36.36	n/a	9/9/2020	25	No	25	22.99	5.214	4	None	No	0.0002066	Param Intra 1 of 2
Cadmium, Total (ug/L)	GWA-17	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-11	2.5	n/a	9/10/2020	1J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-8A	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-15	3.6	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-16	8.848	n/a	9/9/2020	5	No	25	2.184	0.3081	4	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWA-17	10.91	n/a	9/9/2020	8.8	No	25	6.728	1.632	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-1	17.76	n/a	9/9/2020	14	No	19	12.68	1.865	0	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-10	20.49	n/a	9/9/2020	18	No	11	16.56	1.189	0	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-11	12	n/a	9/10/2020	9	No	25	n/a	n/a	4	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-12	3.1	n/a	9/10/2020	2ND	No	25	n/a	n/a	44	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-13	8.343	n/a	9/10/2020	5.4	No	24	2.116	0.2984	0	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-14	3.6	n/a	9/9/2020	2ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWC-18	20	n/a	9/9/2020	13	No	25	n/a	n/a	0	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-19	14.93	n/a	9/9/2020	11	No	25	8.719	2.422	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-2	12.92	n/a	9/9/2020	10	No	25	98.38	26.78	8	None	x^2	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-20	14.58	n/a	9/10/2020	9	No	25	9.018	2.168	8	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-3	22	n/a	9/10/2020	6.1	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-4	10.56	n/a	9/10/2020	5.5	No	25	6.12	1.731	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-5	10.96	n/a	9/9/2020	4.8	No	25	1.377	0.3969	4	None	ln(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-6	12	n/a	9/10/2020	4.9	No	25	n/a	n/a	8	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-7	16.72	n/a	9/10/2020	9.8	No	25	2.284	0.2076	0	None	ln(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-8A	28.69	n/a	9/9/2020	2ND	No	24	2.572	1.076	33.33	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-9	12.37	n/a	9/9/2020	8.1	No	25	7.579	1.867	4	None	No	0.0002066	Param Intra 1 of 2

## State Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (ug/L)	GWA-15	2.5	n/a	9/9/2020	1.6J	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-16	2.5	n/a	9/9/2020	2.5ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-17	2.5	n/a	9/9/2020	0.19J	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-1	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-11	2.5	n/a	9/10/2020	0.33J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-12	0.49	n/a	9/10/2020	0.57J	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-18	0.4	n/a	9/9/2020	0.14J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-19	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-2	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-20	0.5	n/a	9/10/2020	0.18J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-3	0.42	n/a	9/10/2020	0.23J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-4	2.5	n/a	9/10/2020	0.32J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-5	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-6	2.5	n/a	9/10/2020	2.5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-7	0.4	n/a	9/10/2020	0.38J	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-8A	4.6	n/a	9/9/2020	4.3	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-9	2.5	n/a	9/9/2020	0.23J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	9/10/2020	0.0007J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	9/9/2020	0.00084J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	9/10/2020	0.00072J	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0037	n/a	9/10/2020	0.0011J	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	9/10/2020	0.0024	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.1944	n/a	9/9/2020	0.002ND	No	20	0.1545	0.1068	20	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWA-16	5.1	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWA-17	3.4	n/a	9/9/2020	1ND	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-1	8.5	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-10	7	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-11	5.1	n/a	9/10/2020	0.14J	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-13	3.6	n/a	9/10/2020	1ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-14	2.8	n/a	9/9/2020	1ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-18	5.2	n/a	9/9/2020	1ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-19	5.6	n/a	9/9/2020	1ND	No	25	n/a	n/a	60	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-2	6.3	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-20	5.6	n/a	9/10/2020	1ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-3	11	n/a	9/10/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-4	6.2	n/a	9/10/2020	1ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-5	7.1	n/a	9/9/2020	1ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-6	6.7	n/a	9/10/2020	1ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-7	6.4	n/a	9/10/2020	0.17J	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-8A	8.5	n/a	9/9/2020	1ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-9	6.9	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2

## State Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWA-17	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	9/9/2020	0.00069J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	9/9/2020	0.001ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.001	n/a	9/9/2020	0.00048J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	9/9/2020	0.00047J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	9/9/2020	0.0021	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	9/10/2020	0.0012	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	9/10/2020	0.00088J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	9/10/2020	0.00044J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0018	n/a	9/9/2020	0.00064J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	9/9/2020	0.00039J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	9/9/2020	0.0016	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	9/10/2020	0.00098J	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	9/10/2020	0.0014	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0021	n/a	9/10/2020	0.0013	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	9/9/2020	0.00039J	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	9/10/2020	0.0009J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	9/10/2020	0.0007J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	9/9/2020	0.0036	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	9/9/2020	0.00046J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-15	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-16	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-17	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-1	5.3	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-10	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-11	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-12	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-14	5.2	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-18	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-19	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-2	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-3	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-6	7	n/a	9/10/2020	5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-7	5.3	n/a	9/10/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2



## State Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium, Total (ug/L)	GWC-8A	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-9	6.5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-15	1	n/a	9/9/2020	0.25J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-16	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-17	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-1	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-2	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-4	1	n/a	9/10/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-7	1	n/a	9/10/2020	0.19J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01265	n/a	9/9/2020	0.0072	No	20	0.007093	0.002072	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.00892	n/a	9/9/2020	0.0053	No	20	0.06136	0.01234	20	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.0249	n/a	9/9/2020	0.018	No	14	0.01659	0.00277	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.01765	n/a	9/9/2020	0.012	No	20	0.01167	0.002231	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01392	n/a	9/10/2020	0.01	No	20	0.01016	0.001399	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0032	n/a	9/10/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.004	n/a	9/10/2020	0.0011	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0026	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.007	No	20	n/a	n/a	5	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-19	0.01064	n/a	9/9/2020	0.0071	No	20	0.006973	0.001367	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.01974	n/a	9/9/2020	0.014	No	20	0.01302	0.002504	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02415	n/a	9/10/2020	0.018	No	20	0.01705	0.002645	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01177	n/a	9/10/2020	0.0061	No	19	0.07988	0.01051	5.263	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01212	n/a	9/10/2020	0.0068	No	20	0.007587	0.001689	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.007229	n/a	9/9/2020	0.002	No	20	0.00323	0.001491	30	Kaplan-Meier	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01309	n/a	9/10/2020	0.0094	No	20	0.008558	0.001688	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01745	n/a	9/10/2020	0.014	No	20	0.0001663	0.000051495		None	x^2	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04752	n/a	9/9/2020	0.001ND	No	17	0.01678	0.01096	5.882	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02669	n/a	9/9/2020	0.022	No	20	0.01594	0.004006	5	None	No	0.0002066	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0073	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-11</b>	<b>0.007</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.018</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>89.47</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-12	0.0065	n/a	9/10/2020	0.0037J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0071	n/a	9/10/2020	0.0038J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.005	n/a	9/9/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.005	n/a	9/10/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	9/9/2020	0.005ND	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.1221	n/a	9/9/2020	0.005ND	No	17	0.147	0.07218	29.41	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

## State Interwell Prediction Limit Summary for Intrawell PL Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:06 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-11	0.0084	n/a	9/10/2020	0.018	Yes	72	n/a	n/a	n/a	93.06	n/a	n/a	0.0003627	NP (NDs) 1 of 2

## Interwell Prediction Limit Summary - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:22 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (ug/L)	GWC-1	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-10	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-11	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-12	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-13	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-14	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-18	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-19	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-2	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-20	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-3	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-4	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-5	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-6	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-7	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-8A	1	n/a	9/9/2020	0.92J	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-9	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	9/9/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	9/10/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	9/10/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2

## State Trend Test Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:09 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>
Barium, Total (ug/L)	GWA-16 (bg)	-0.4975	-167	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWA-17 (bg)	-1.169	-155	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-10	0.9124	228	139	Yes	29	6.897	n/a	n/a	0.01	NP

## State Trend Test Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:09 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (ug/L)	GWA-15 (bg)	0	-10	-139	No	29	3.448	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.4975</b>	<b>-167</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 (ug/L)</b>	<b>GWA-17 (bg)</b>	<b>-1.169</b>	<b>-155</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>
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>0.9124</b>	<b>228</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>
Barium, Total (ug/L)	GWC-11	0	-36	-139	No	29	6.897	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-19	0.2032	129	139	No	29	3.448	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	19	105	No	24	95.83	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-19	-105	No	24	95.83	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	20	105	No	24	87.5	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-11	0	48	98	No	23	82.61	n/a	n/a	0.01	NP

## State Trend Test Summary - Selenium Well GWC-5 All Data

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:13 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>
Selenium, Total (ug/L)	GWC-5	0.9109	110	139	No	29	41.38	n/a	n/a	0.01	NP

## State Trend Test Summary - Selenium Well GWC-5

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 5:15 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>
Selenium, Total (ug/L)	GWC-5	-13.9	-23	-21	Yes	8	0	n/a	n/a	0.01	NP

## Federal Intrawell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:41 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)	GWC-19	13.6	n/a	9/9/2020	15	Yes	11	10.72	0.9806	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	9/9/2020	64	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-10	2.684	n/a	9/9/2020	4.3	Yes	11	2.24	0.151	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-18	2.729	n/a	9/9/2020	2.8	Yes	11	2.448	0.09558	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.038	n/a	9/9/2020	2.4	Yes	11	1.731	0.1044	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2	n/a	9/10/2020	2.5	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	8.684	n/a	9/9/2020	11	Yes	10	7.2	0.4853	0	None	No	0.0004426	Param Intra 1 of 2
pH, Field (S.U.)	GWC-14	5.865	5.331	9/9/2020	5.88	Yes	14	5.598	0.09885	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-19	6.51	6.35	9/9/2020	6.27	Yes	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-3	6.117	5.731	9/10/2020	6.24	Yes	15	5.924	0.07327	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-6	6.343	6.035	9/10/2020	6.43	Yes	15	2.488	0.01171	0	None	sqrt(x)	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	1.2	n/a	9/9/2020	1.6	Yes	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.408	n/a	9/9/2020	2.6	Yes	11	0.7273	0.2315	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	0.7	n/a	9/10/2020	1.3	Yes	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1	n/a	9/9/2020	1.2	Yes	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	243.6	n/a	9/9/2020	360	Yes	9	184.3	18.14	0	None	No	0.0004426	Param Intra 1 of 2



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## Federal Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-15	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-16	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-17	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-14	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-2	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-4	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6949	n/a	9/9/2020	0.24	No	11	0.3662	0.1118	9.091	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3698	n/a	9/9/2020	0.13	No	10	0.1925	0.05799	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.136	n/a	9/9/2020	0.088	No	11	0.09197	0.01496	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.715	n/a	9/9/2020	4	No	11	4.238	0.502	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	15.17	n/a	9/9/2020	11	No	11	11.63	1.205	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.816	n/a	9/9/2020	7.3	No	11	6.435	0.8099	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	21.22	n/a	9/9/2020	17	No	11	17.08	1.406	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	20.38	n/a	9/9/2020	20	No	11	16.18	1.427	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.38	n/a	9/10/2020	13	No	11	12.58	0.9527	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.461	n/a	9/10/2020	1.1	No	11	1.063	0.1355	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	7.811	n/a	9/10/2020	6.7	No	11	6.186	0.5526	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.734	n/a	9/9/2020	6.5	No	11	6.326	0.4788	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.43	n/a	9/9/2020	10	No	11	10.34	0.7117	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-19</b>	<b>13.6</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>15</b>	<b>Yes</b>	<b>11</b>	<b>10.72</b>	<b>0.9806</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-2	21.47	n/a	9/9/2020	17	No	11	17.25	1.436	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.51	n/a	9/10/2020	13	No	11	13.5	1.025	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.03	n/a	9/10/2020	6.3	No	11	8.484	0.867	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	17.38	n/a	9/10/2020	13	No	11	12.27	1.738	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	221.6	n/a	9/9/2020	35	No	11	126.5	32.34	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.43	n/a	9/10/2020	16	No	11	18.3	1.063	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.62	n/a	9/10/2020	15	No	11	13.98	0.8965	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>9/9/2020</b>	<b>64</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	20.4	n/a	9/9/2020	16	No	11	17.34	1.041	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.429	n/a	9/9/2020	6.1	No	11	1.684	0.06022	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-16	2.185	n/a	9/9/2020	1.6	No	11	1.681	0.1714	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.013	n/a	9/9/2020	1.3	No	11	1.599	0.1407	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.646	n/a	9/9/2020	3.9	No	11	3.911	0.25	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.684</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>4.3</b>	<b>Yes</b>	<b>11</b>	<b>2.24</b>	<b>0.151</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-11	2.095	n/a	9/10/2020	1.9	No	11	1.771	0.11	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.068	n/a	9/10/2020	1.8	No	11	1.709	0.1221	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	2.066	n/a	9/10/2020	1.7	No	11	1.529	0.1825	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-14	3.353	n/a	9/9/2020	2.9	No	11	2.901	0.1537	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-18</b>	<b>2.729</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.8</b>	<b>Yes</b>	<b>11</b>	<b>2.448</b>	<b>0.09558</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>

## Federal Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.038</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.4</b>	<b>Yes</b>	<b>11</b>	<b>1.731</b>	<b>0.1044</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-2	2.621	n/a	9/9/2020	2	No	11	2.167	0.1542	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.468	n/a	9/10/2020	2.1	No	11	7.164	2.677	9.091	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	3.838	n/a	9/10/2020	2.7	No	11	3.331	0.1724	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	17.66	n/a	9/10/2020	9.7	No	11	6.897	3.661	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	139	n/a	9/9/2020	8.7	No	11	79.36	20.28	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	8.922	n/a	9/10/2020	6.3	No	10	6.26	0.8708	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-7</b>	<b>2</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>2.5</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (normality) 1 of 2</b>
<b>Chloride, Total (mg/L)</b>	<b>GWC-8A</b>	<b>8.684</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>11</b>	<b>Yes</b>	<b>10</b>	<b>7.2</b>	<b>0.4853</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-9	4.55	n/a	9/9/2020	3.2	No	11	3.622	0.3157	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-15	0.1	n/a	9/9/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	9/9/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	9/9/2020	0.036J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1038	n/a	9/9/2020	0.069J	No	11	0.00003886	0.0002632	45.45	Kaplan-Meier	x^4	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-10	0.082	n/a	9/9/2020	0.055J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	9/10/2020	0.052J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	9/10/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	9/10/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.1	n/a	9/9/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	9/9/2020	0.045J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	9/9/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	9/9/2020	0.033J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	9/10/2020	0.051J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.082	n/a	9/10/2020	0.063J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1735	n/a	9/10/2020	0.1	No	11	0.1013	0.02454	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	9/9/2020	0.033J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	9/10/2020	0.052J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	9/10/2020	0.053J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2372	n/a	9/9/2020	0.038J	No	10	0.126	0.03637	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-9	0.084	n/a	9/9/2020	0.067J	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.747	5.249	9/9/2020	5.71	No	15	5.498	0.0942	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-16	6.583	6.182	9/9/2020	6.33	No	15	6.383	0.07611	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-17	6.36	5.573	9/9/2020	6.05	No	15	5.966	0.149	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-1	6.772	6.262	9/9/2020	6.57	No	15	6.517	0.09662	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	6.663	5.991	9/9/2020	6.4	No	15	6.327	0.1274	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.38	5.957	9/10/2020	6.16	No	14	6.169	0.07843	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	5.46	4.819	9/10/2020	5.1	No	15	5.139	0.1214	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	6.07	5.637	9/10/2020	5.83	No	16	41061	3479	0	None	x^6	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-14</b>	<b>5.865</b>	<b>5.331</b>	<b>9/9/2020</b>	<b>5.88</b>	<b>Yes</b>	<b>14</b>	<b>5.598</b>	<b>0.09885</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-18	6.472	6.144	9/9/2020	6.3	No	15	6.308	0.06213	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-19</b>	<b>6.51</b>	<b>6.35</b>	<b>9/9/2020</b>	<b>6.27</b>	<b>Yes</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01722</b>	<b>NP Intra (normality) 1 of 2</b>
pH, Field (S.U.)	GWC-2	7	6.35	9/9/2020	6.44	No	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-20	6.689	6.321	9/10/2020	6.49	No	15	6.505	0.06978	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-3</b>	<b>6.117</b>	<b>5.731</b>	<b>9/10/2020</b>	<b>6.24</b>	<b>Yes</b>	<b>15</b>	<b>5.924</b>	<b>0.07327</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-4	6.607	5.933	9/10/2020	6.46	No	15	6.27	0.1276	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-5	6.124	5.327	9/9/2020	6.08	No	15	5.725	0.1511	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-6</b>	<b>6.343</b>	<b>6.035</b>	<b>9/10/2020</b>	<b>6.43</b>	<b>Yes</b>	<b>15</b>	<b>2.488</b>	<b>0.01171</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-7	6.42	5.96	9/10/2020	6.32	No	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.523	5.769	9/9/2020	6.3	No	18	6.646	0.3493	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-9	6.916	6.262	9/9/2020	6.8	No	15	6.589	0.1239	0	None	No	0.0002213	Param Intra 1 of 2

## Federal Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/19/2020, 4:41 PM

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>GWA-15</b>	<b>1.2</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>1.6</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>72.73</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	9/9/2020	0.77J	No	11	n/a	n/a	54.55	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>1.408</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.6</b>	<b>Yes</b>	<b>11</b>	<b>0.7273</b>	<b>0.2315</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	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.7</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>1.3</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>81.82</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-19</b>	<b>1</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>1.2</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-2	0.7	n/a	9/9/2020	0.59J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	9/10/2020	1ND	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.762	n/a	9/10/2020	1.6	No	11	2.996	1.28	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	652.6	n/a	9/9/2020	110	No	11	392.3	88.53	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	18.05	n/a	9/10/2020	9.4	No	11	10.87	2.441	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	47.6	n/a	9/9/2020	11	No	10	35.37	3.999	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	18.57	n/a	9/9/2020	8.4	No	11	10.56	2.725	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	80.98	n/a	9/9/2020	5ND	No	11	35.55	15.45	9.091	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	168.3	n/a	9/9/2020	66	No	11	97.36	24.13	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	150.4	n/a	9/9/2020	64	No	11	66	28.72	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	169.9	n/a	9/9/2020	120	No	11	130.6	13.36	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.9	n/a	9/9/2020	160	No	10	123.7	18.7	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	326.5	n/a	9/10/2020	95	No	11	4.684	0.3756	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	124.8	n/a	9/10/2020	13	No	11	4.14	2.39	36.36	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	122.5	n/a	9/10/2020	60	No	10	56.2	21.69	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	113.8	n/a	9/9/2020	54	No	11	57.09	19.29	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	129.5	n/a	9/9/2020	77	No	11	84.09	15.44	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	175.6	n/a	9/9/2020	120	No	11	86.82	30.2	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	204.2	n/a	9/9/2020	110	No	11	111.2	31.62	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	152.7	n/a	9/10/2020	110	No	11	101.7	17.32	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	117	n/a	9/10/2020	59	No	11	82.18	11.85	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	173.3	n/a	9/10/2020	130	No	11	115.5	19.65	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1520	n/a	9/9/2020	270	No	11	978.2	184.3	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	190.4	n/a	9/10/2020	140	No	11	149.3	13.98	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	164.3	n/a	9/10/2020	120	No	11	118.9	15.45	0	None	No	0.0004426	Param Intra 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>243.6</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>360</b>	<b>Yes</b>	<b>9</b>	<b>184.3</b>	<b>18.14</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Total Dissolved Solids [TDS] (mg/L)	GWC-9	261.2	n/a	9/9/2020	150	No	11	139.8	41.28	0	None	No	0.0004426	Param Intra 1 of 2

## Federal Interwell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:46 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)	GWC-19	14	n/a	9/9/2020	15	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Calcium, total (mg/L)	GWC-8A	14	n/a	9/9/2020	64	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	6.3	n/a	9/9/2020	11	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	135.2	n/a	9/9/2020	360	Yes	45	65.09	32.06	4.444	None	No	0.0004426	Param 1 of 2

## Federal Interwell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:46 PM

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-19</b>	<b>14</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>15</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>14</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>64</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	6.3	n/a	9/9/2020	4.3	No	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-18	6.3	n/a	9/9/2020	2.8	No	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-19	6.3	n/a	9/9/2020	2.4	No	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7	6.3	n/a	9/10/2020	2.5	No	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-14	6.52	5.27	9/9/2020	5.88	No	54	n/a	n/a	0	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	9/9/2020	6.27	No	54	n/a	n/a	0	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-3	6.52	5.27	9/10/2020	6.24	No	54	n/a	n/a	0	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-6	6.52	5.27	9/10/2020	6.43	No	54	n/a	n/a	0	n/a	n/a	0.001265	NP (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	9/9/2020	2.6	No	45	n/a	n/a	75.56	n/a	n/a	0.000894	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	3.1	n/a	9/10/2020	1.3	No	45	n/a	n/a	75.56	n/a	n/a	0.000894	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	9/9/2020	1.2	No	45	n/a	n/a	75.56	n/a	n/a	0.000894	NP (NDs) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-8A</b>	<b>6.3</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>11</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>135.2</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>360</b>	<b>Yes</b>	<b>45</b>	<b>65.09</b>	<b>32.06</b>	<b>4.444</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2

## Federal Trend Test Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/21/2020, 7:50 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>
Calcium, total (mg/L)	GWC-8A	10.01	78	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.09323	-57	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.107	-58	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.2317	83	53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.369	88	53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-13	0.05689	62	53	Yes	15	60	n/a	n/a	0.01	NP

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## Federal Trend Test Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/21/2020, 7:50 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-15 (bg)	0	5	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	-4	-53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.1519	29	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-19	0.8249	51	53	No	15	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>10.01</b>	<b>78</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.05321	24	53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.09323</b>	<b>-57</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>
<b>Chloride, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.107</b>	<b>-58</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>
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.2317</b>	<b>83</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)	GWC-18	0.03088	17	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	-10	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0	18	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-8A	0.3699	20	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-14	0.02078	34	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01335	-36	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-3	0.01749	29	68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-6	0.01527	46	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0	23	53	No	15	53.33	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-12	-53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-31	-53	No	15	80	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.369</b>	<b>88</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>20</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.05689</b>	<b>62</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-19	0	1	53	No	15	86.67	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.4314	-5	-53	No	15	13.33	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-3.427	-17	-53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	1.587	9	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	34.94	41	43	No	13	0	n/a	n/a	0.01	NP

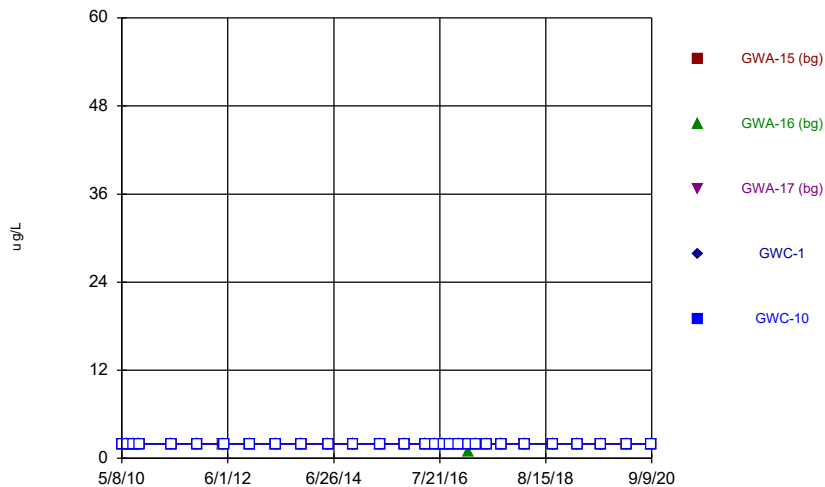
# FIGURE A.



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Hollow symbols indicate censored values.

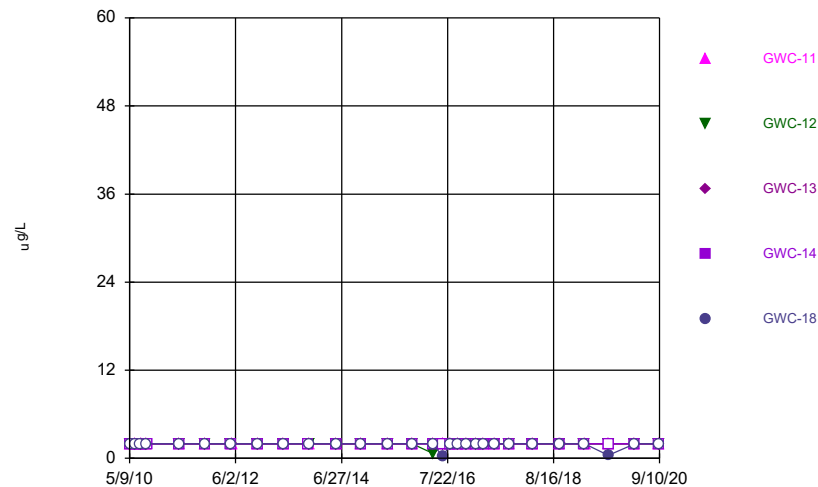
Time Series



Constituent: Antimony, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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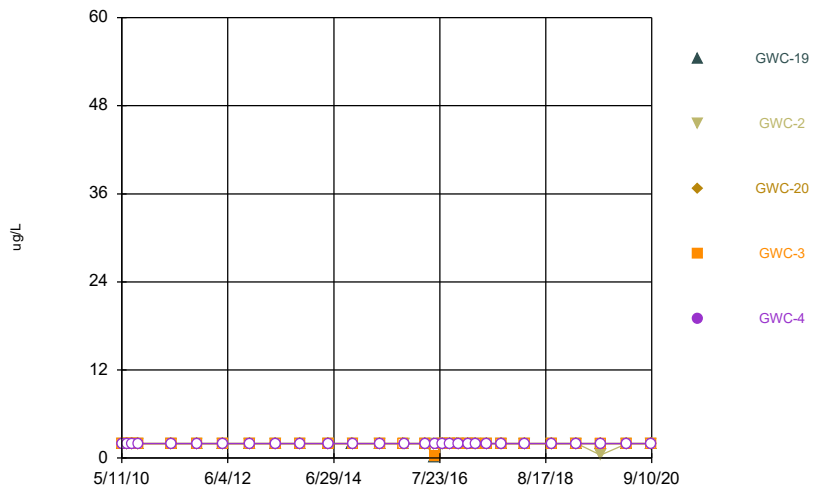
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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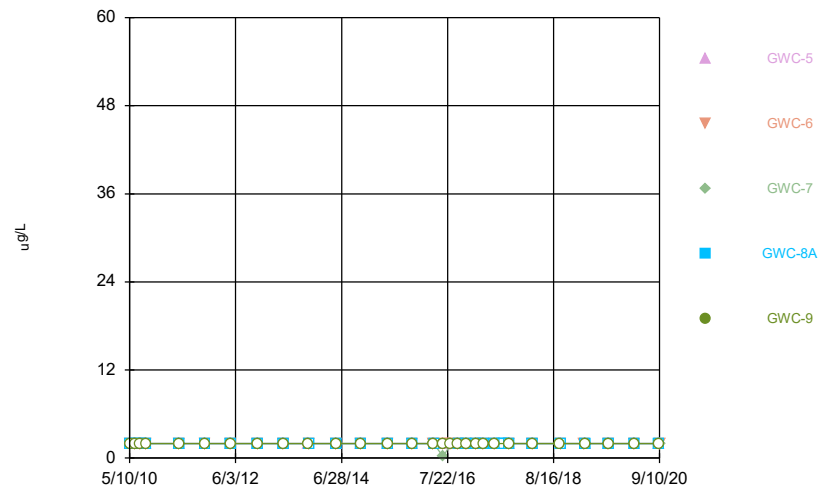
Time Series



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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Time Series

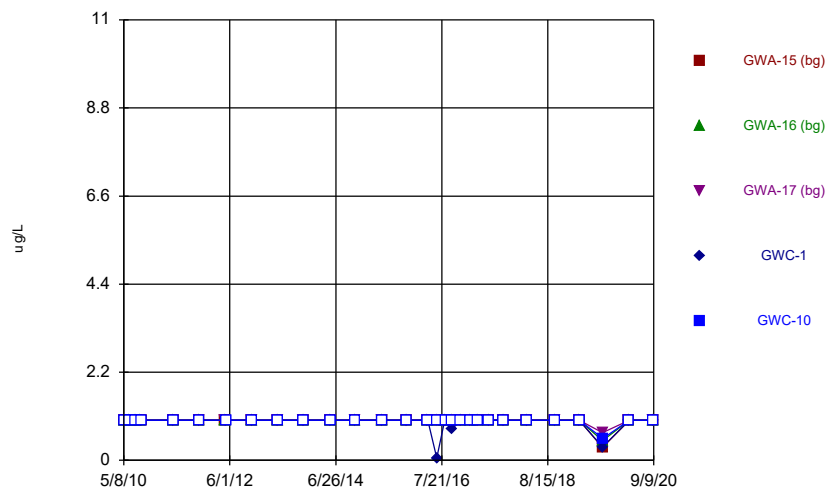


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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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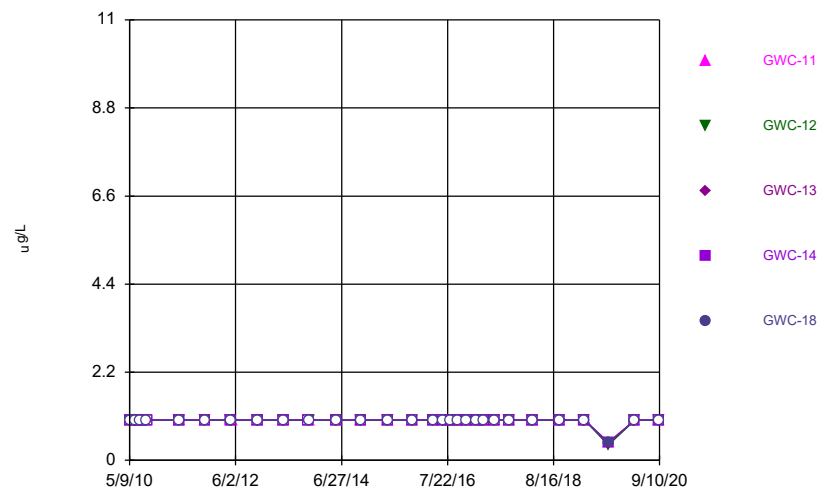
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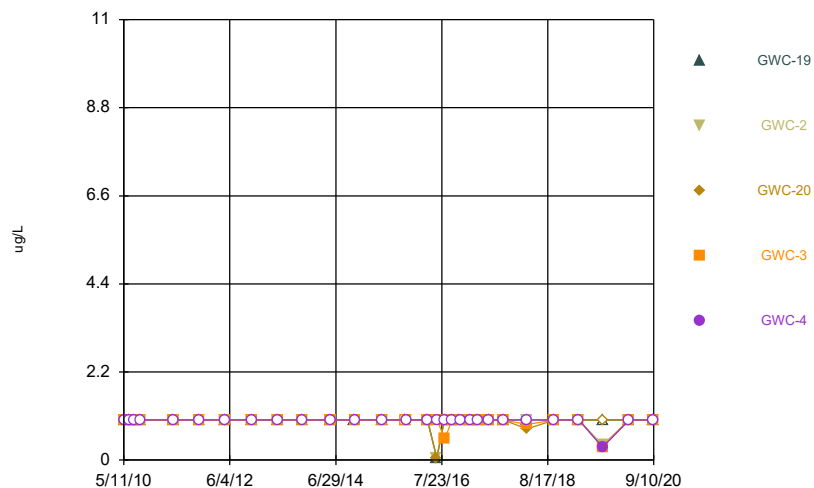
Time Series



Constituent: Arsenic, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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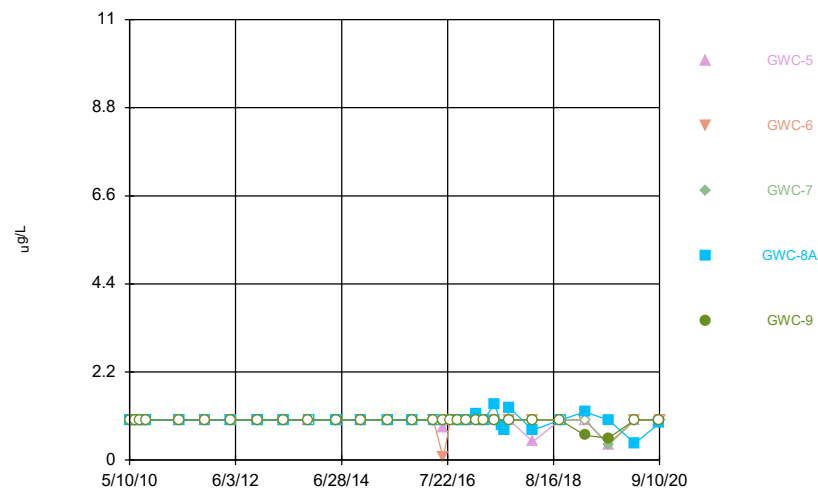
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Constituent: Arsenic, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
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Time Series

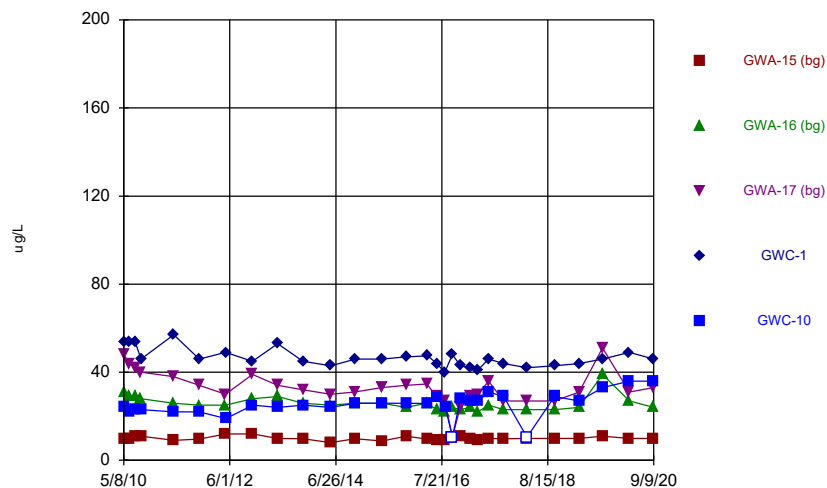


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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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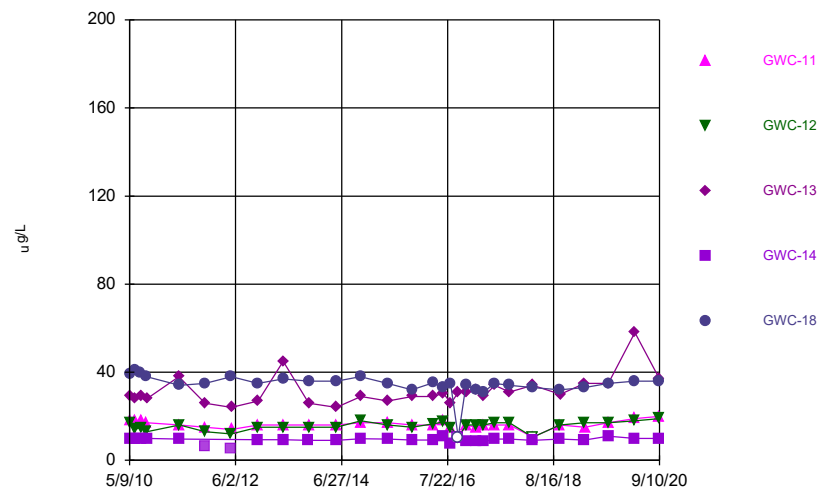
Time Series



Constituent: Barium, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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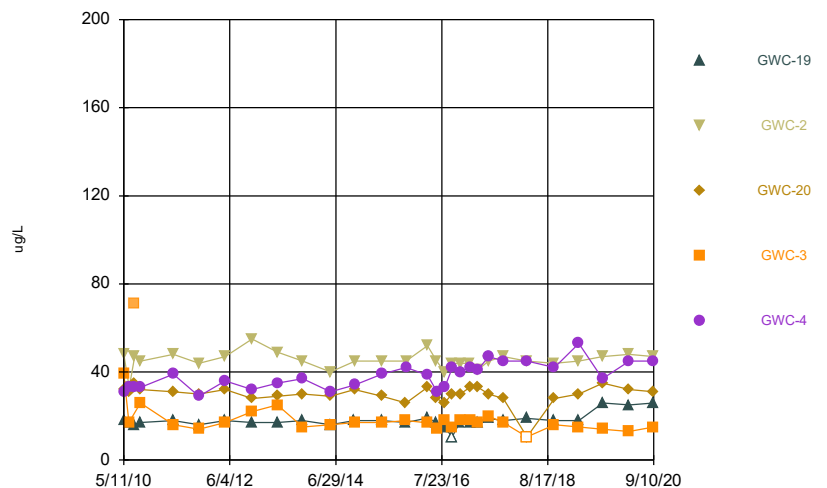
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Constituent: Barium, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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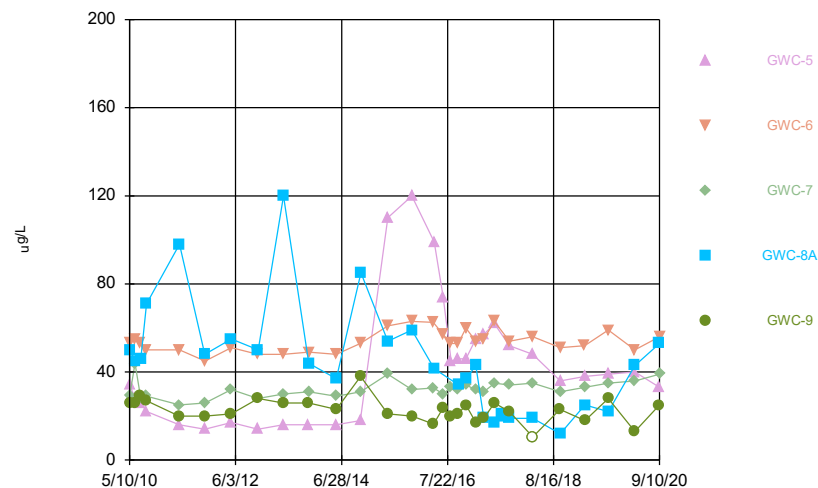
Time Series



Constituent: Barium, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Time Series

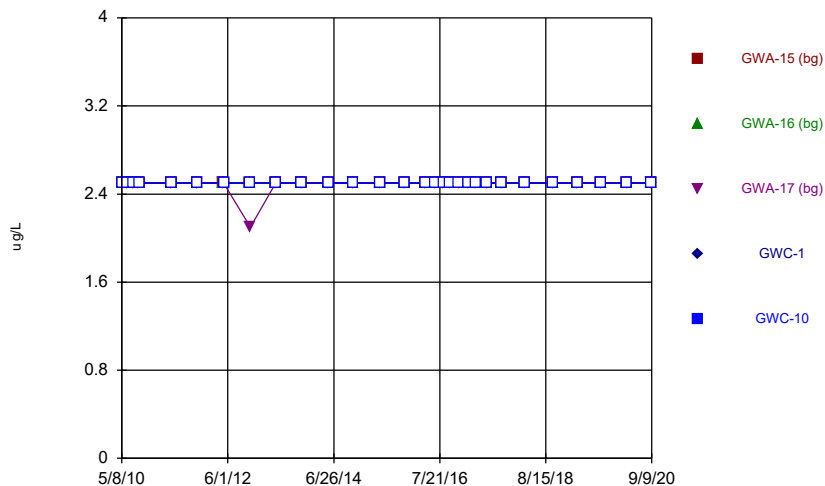


Constituent: Barium, Total Analysis Run 11/19/2020 4:50 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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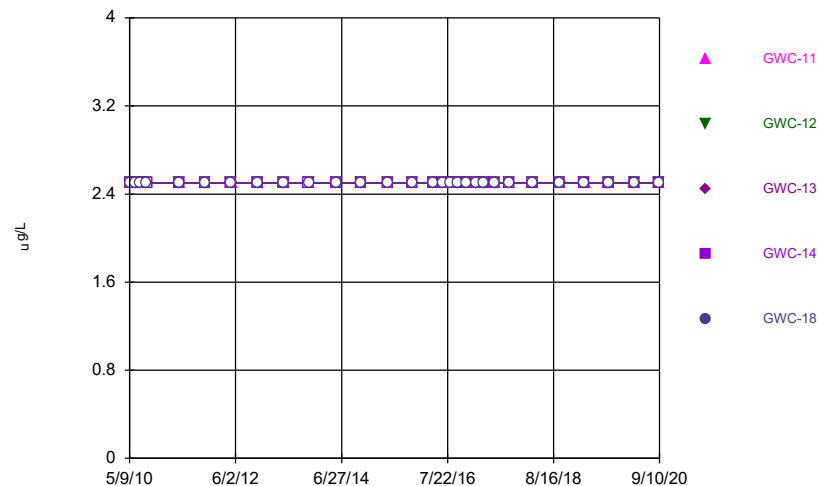
Time Series



Constituent: Beryllium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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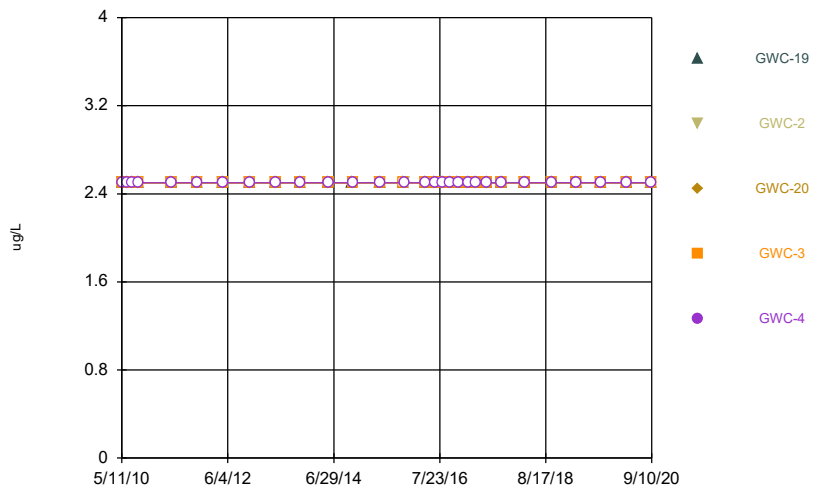
Time Series



Constituent: Beryllium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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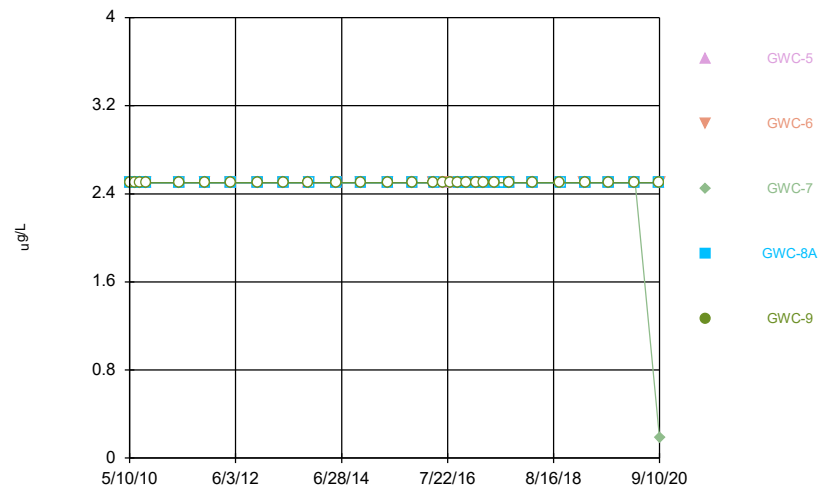
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Time Series

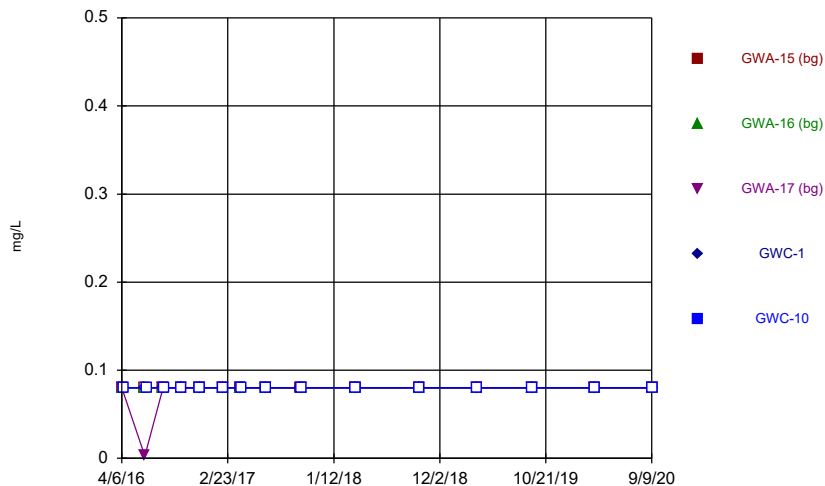


Constituent: Beryllium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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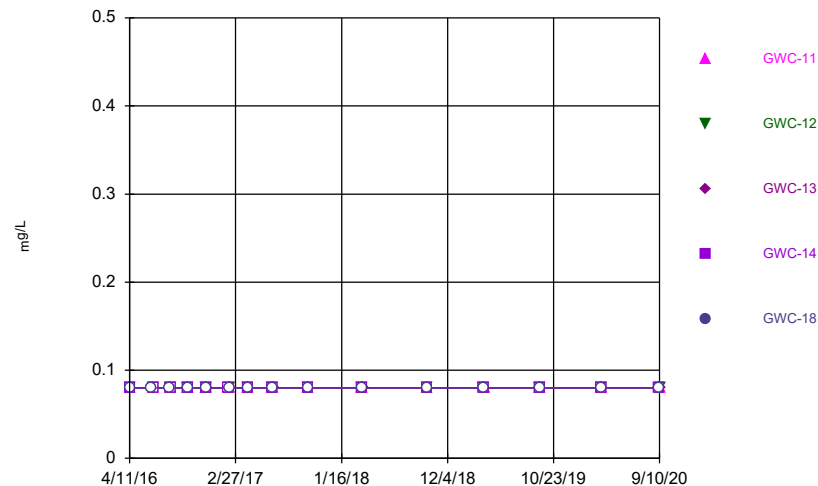
Time Series



Constituent: Boron, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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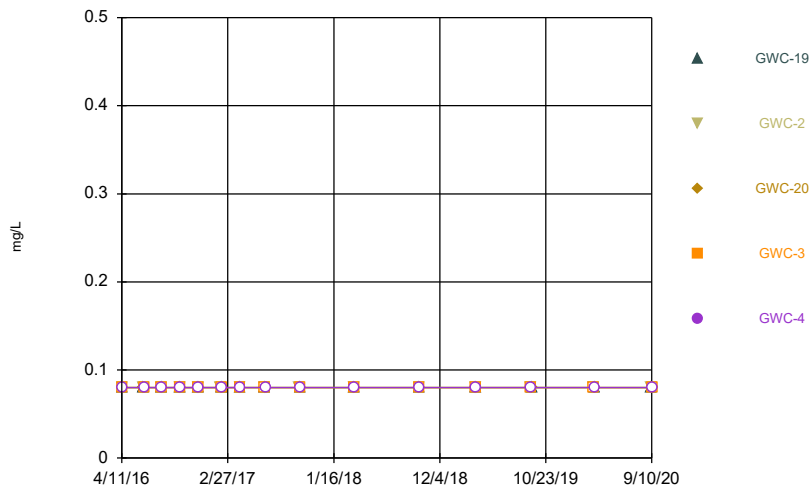
Time Series



Constituent: Boron, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

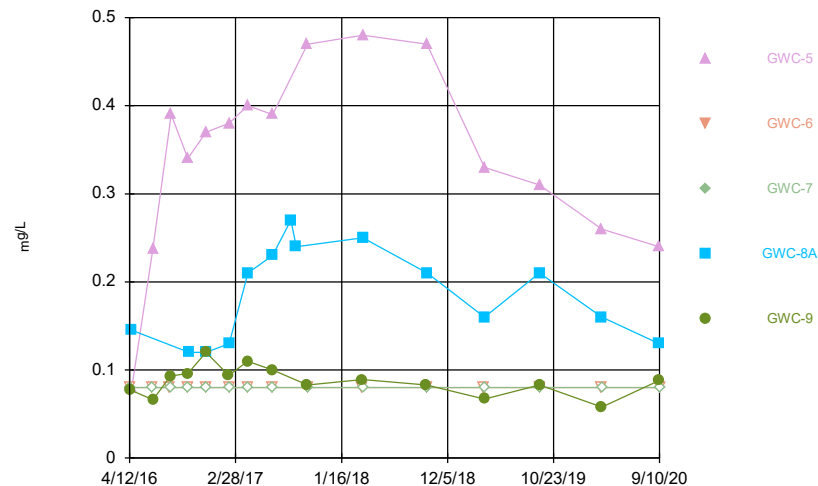
Time Series



Constituent: Boron, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

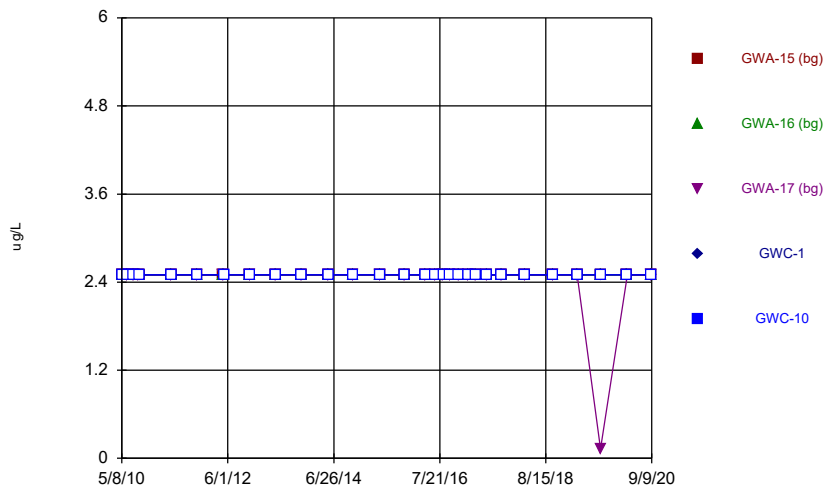


Constituent: Boron, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

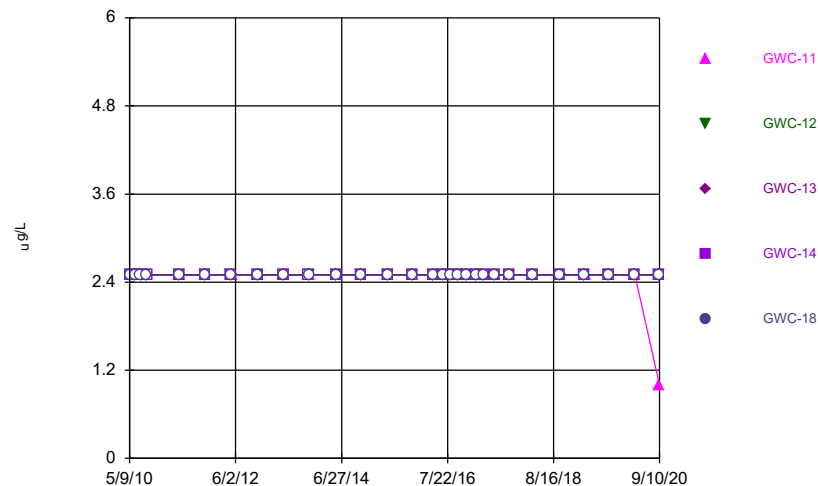
Time Series



Constituent: Cadmium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

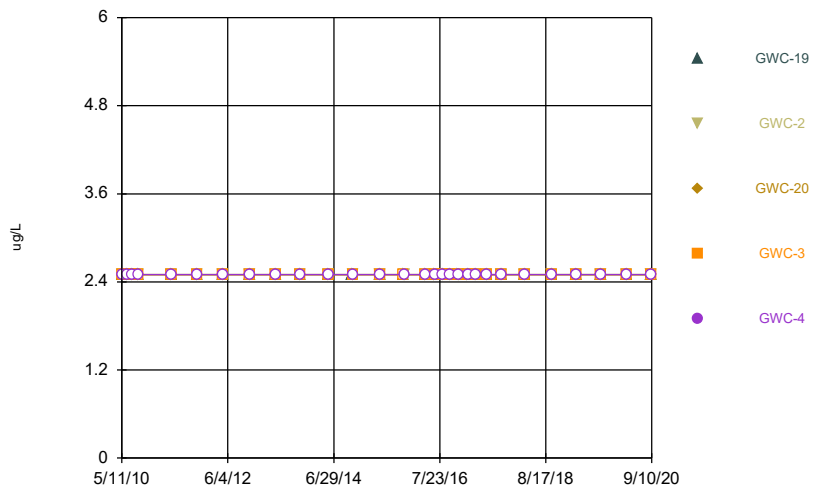
Time Series



Constituent: Cadmium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

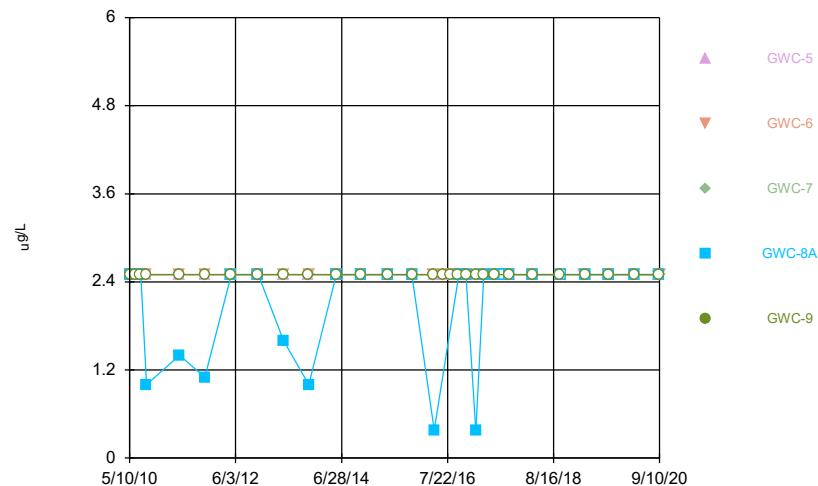
Time Series



Constituent: Cadmium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



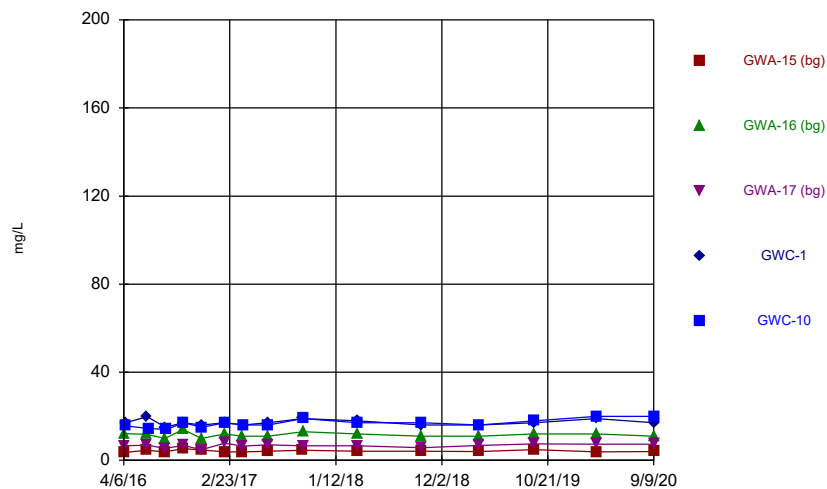
Constituent: Cadmium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

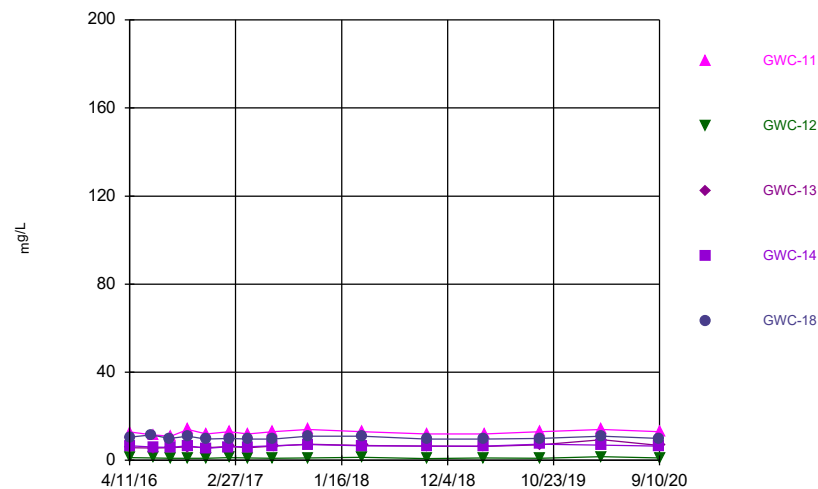
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



Constituent: Calcium, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series

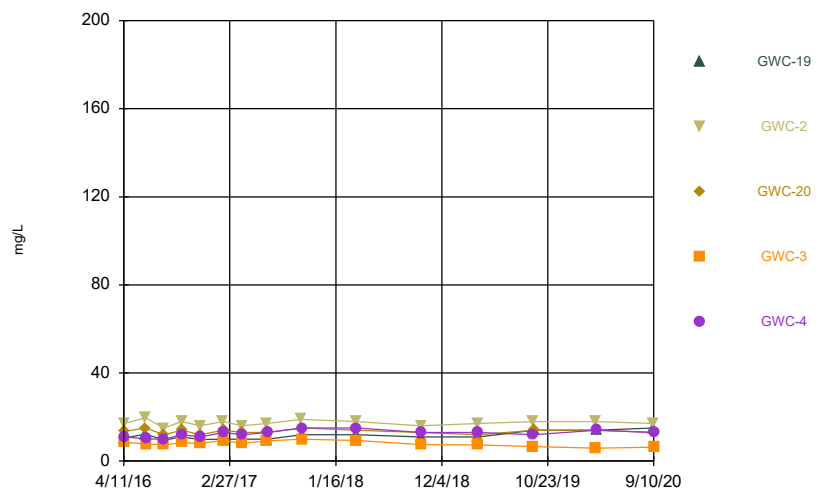


Constituent: Calcium, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

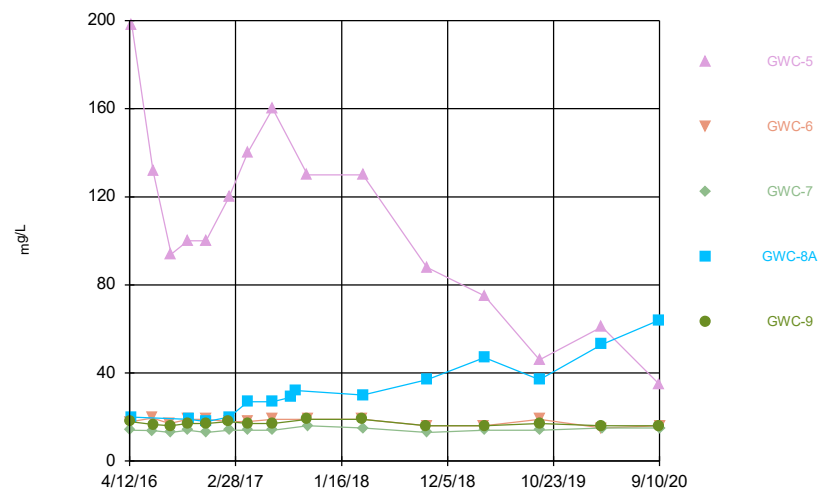
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



Constituent: Calcium, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



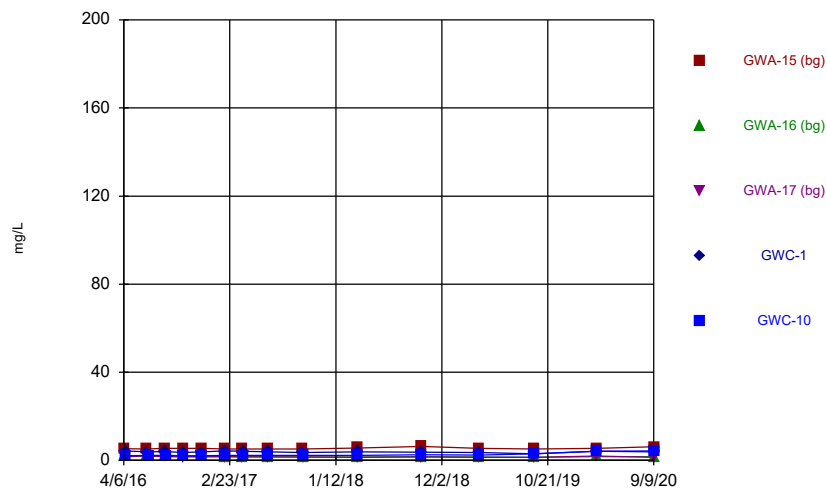
Constituent: Calcium, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

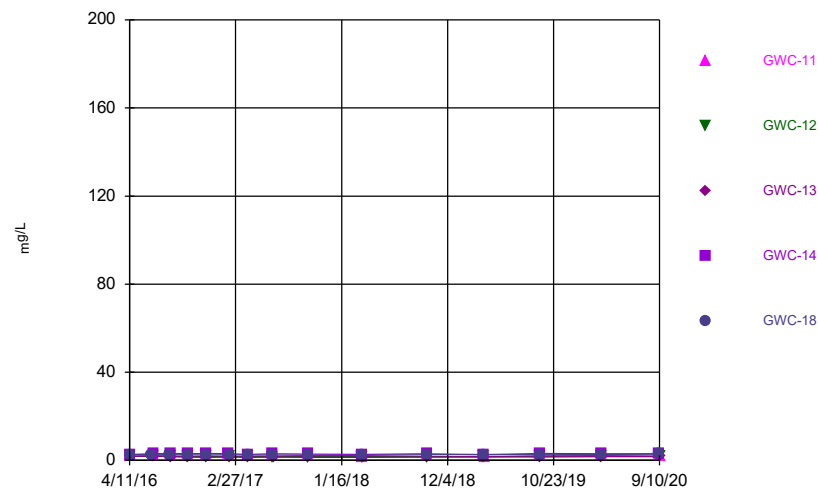
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



Constituent: Chloride, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

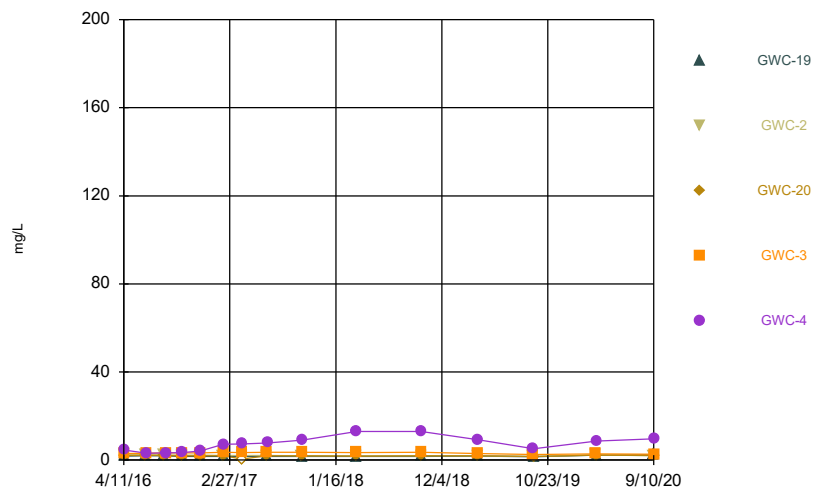
Time Series



Constituent: Chloride, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

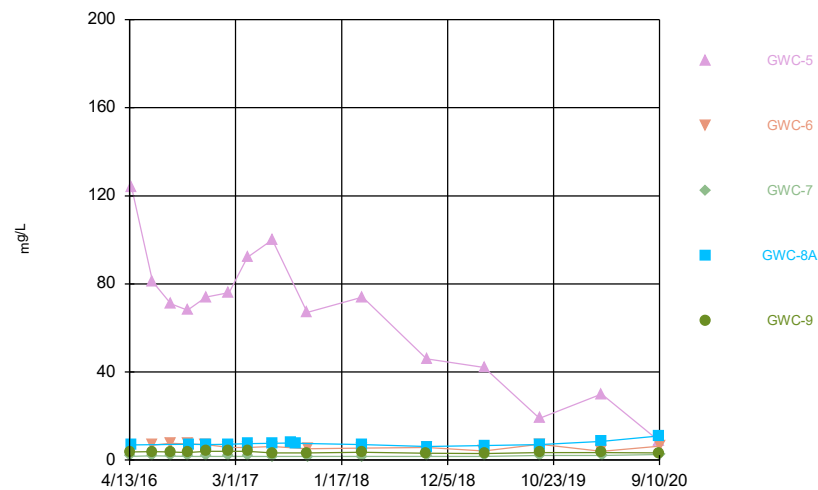
Time Series



Constituent: Chloride, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



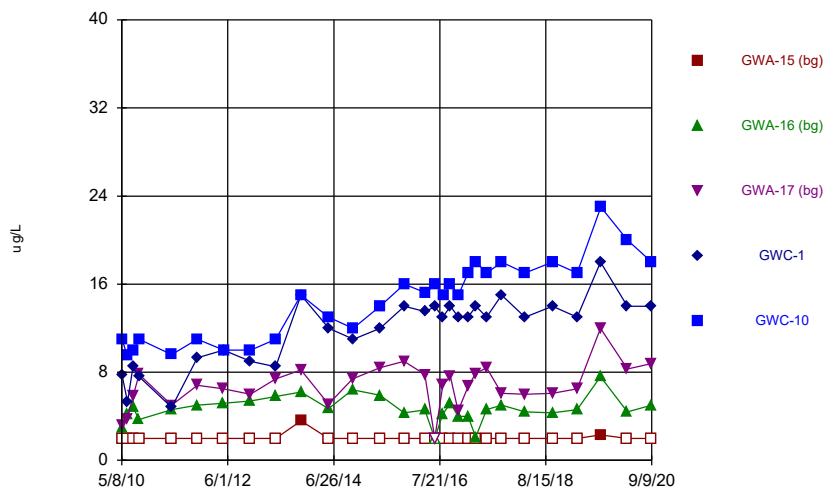
Constituent: Chloride, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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Hollow symbols indicate censored values.

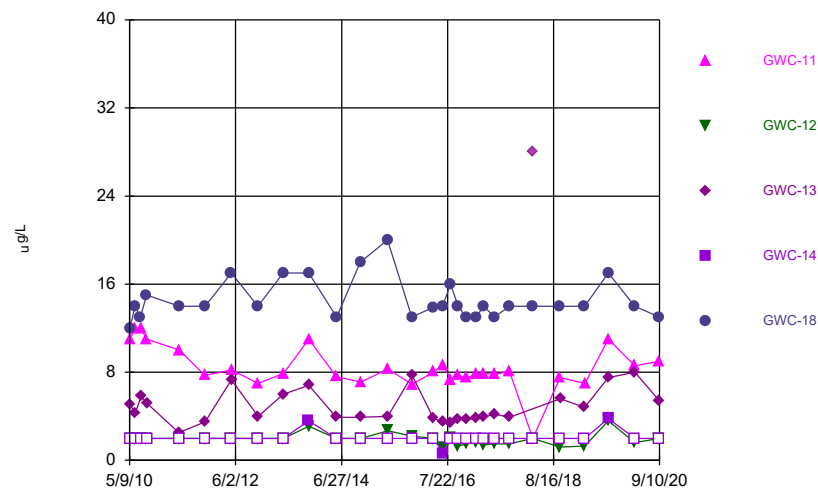
Time Series



Constituent: Chromium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

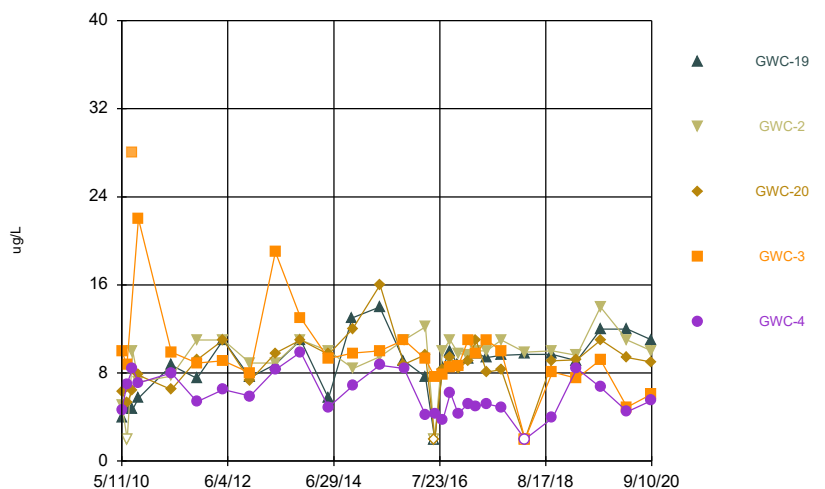
Time Series



Constituent: Chromium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

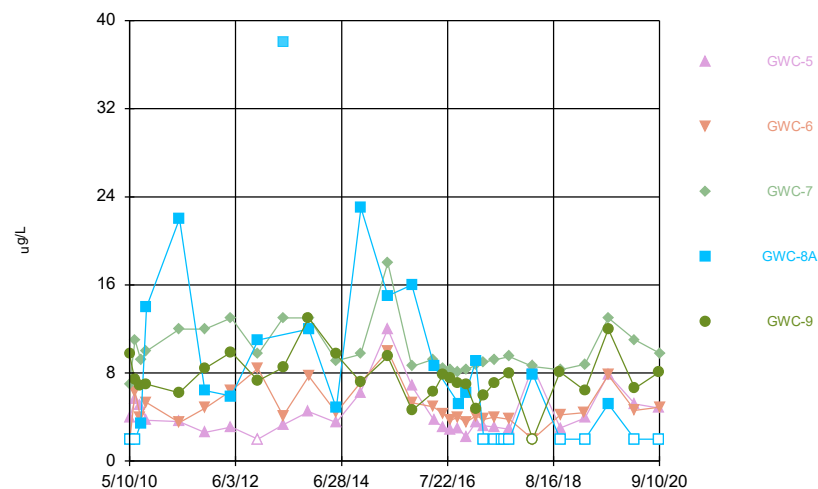
Time Series



Constituent: Chromium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

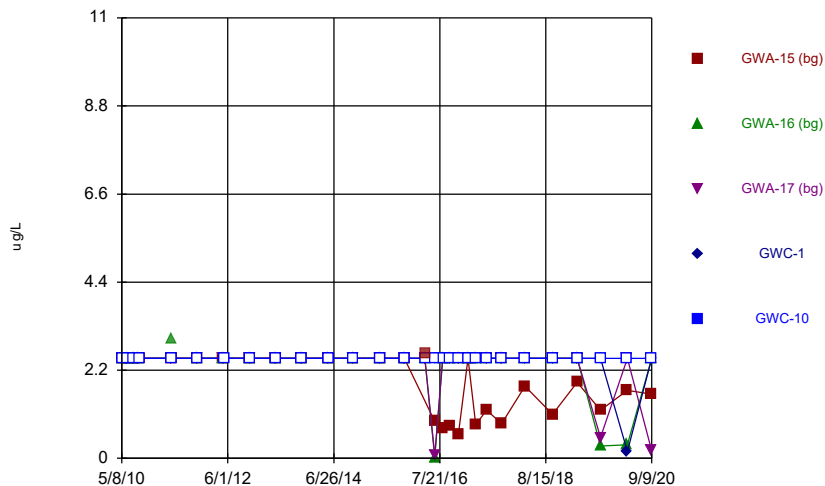


Constituent: Chromium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

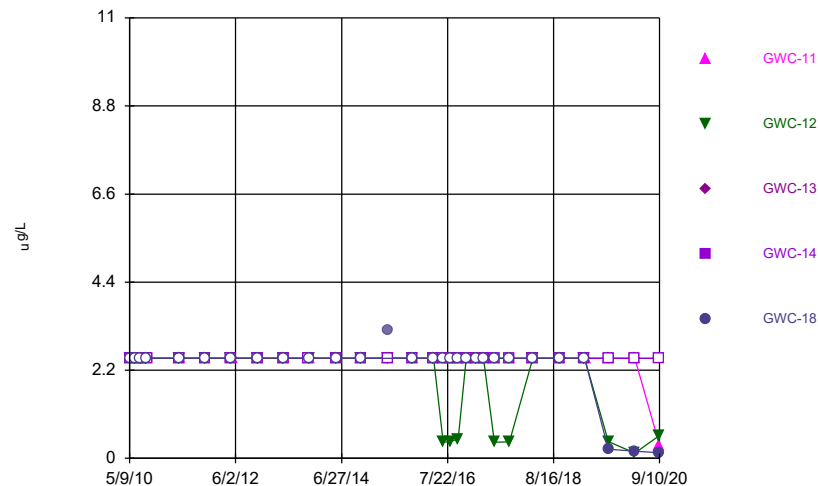
Time Series



Constituent: Cobalt, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

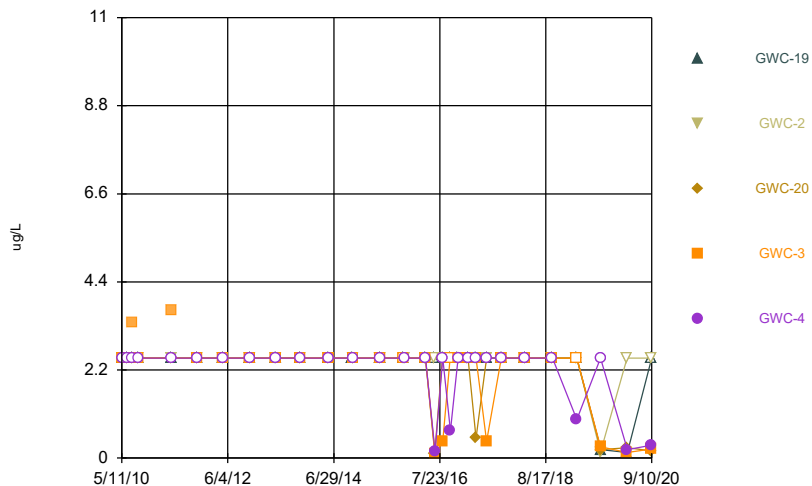
Time Series



Constituent: Cobalt, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

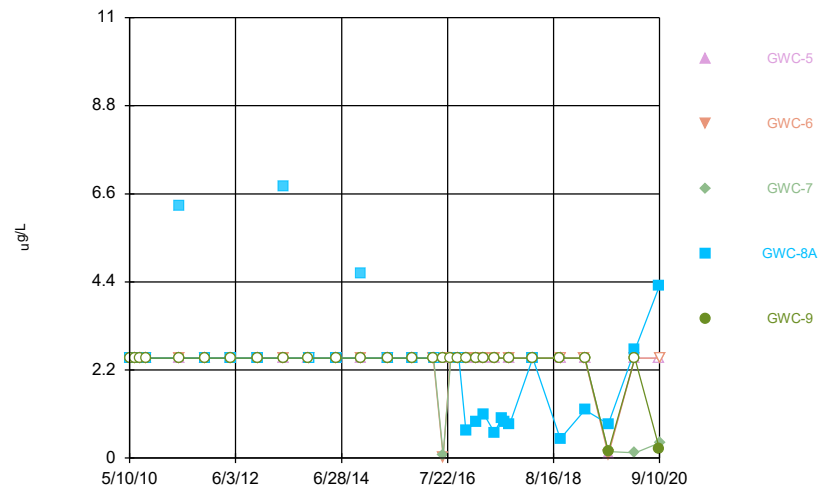
Time Series



Constituent: Cobalt, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

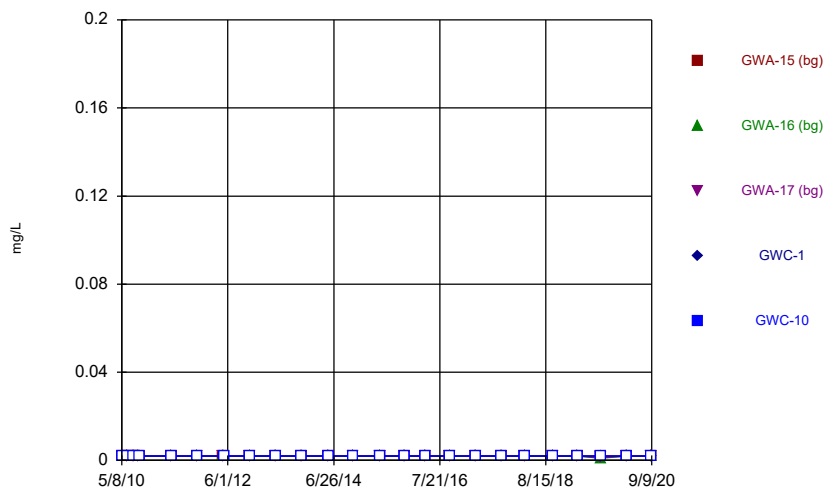


Constituent: Cobalt, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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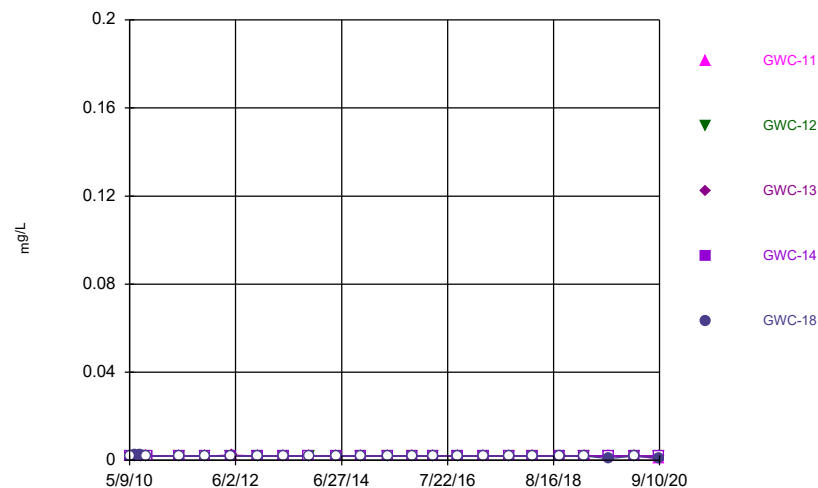
Time Series



Constituent: Copper Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

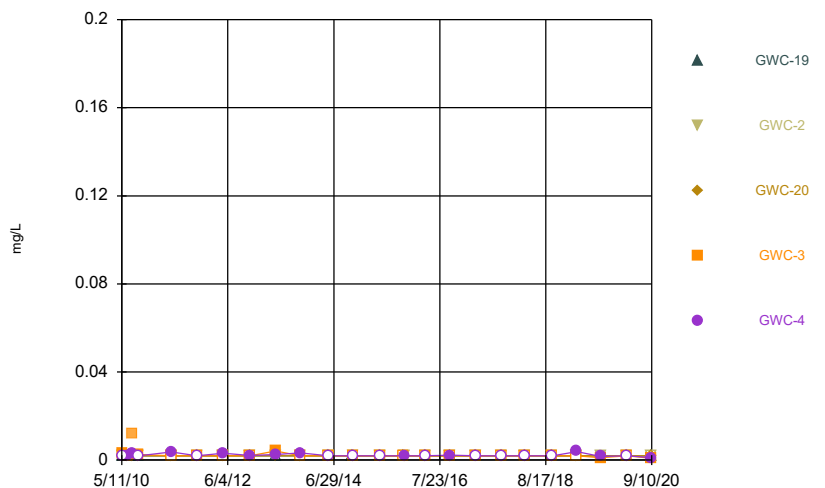
Time Series



Constituent: Copper Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

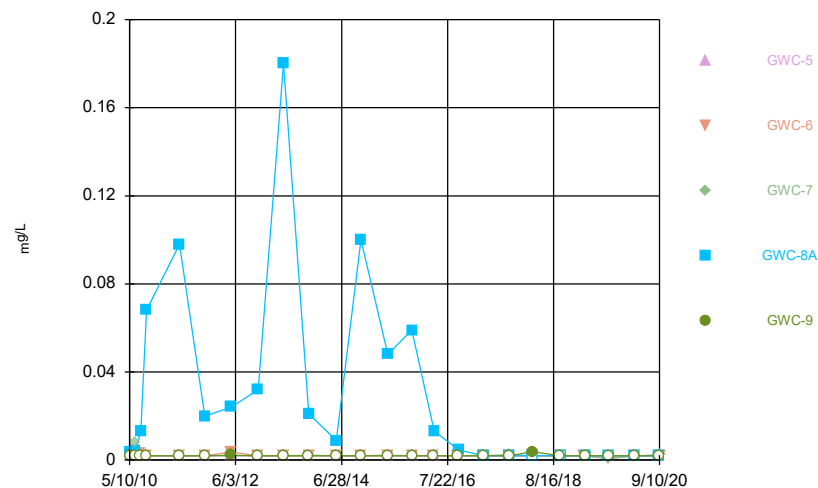
Time Series



Constituent: Copper Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

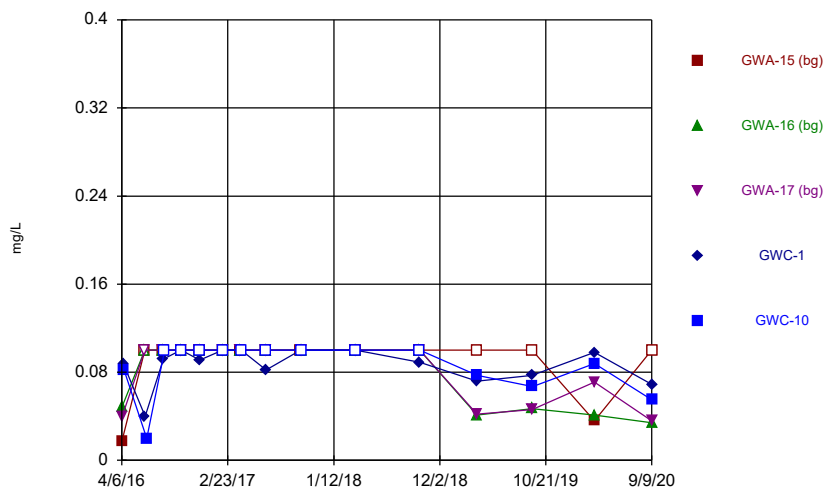


Constituent: Copper Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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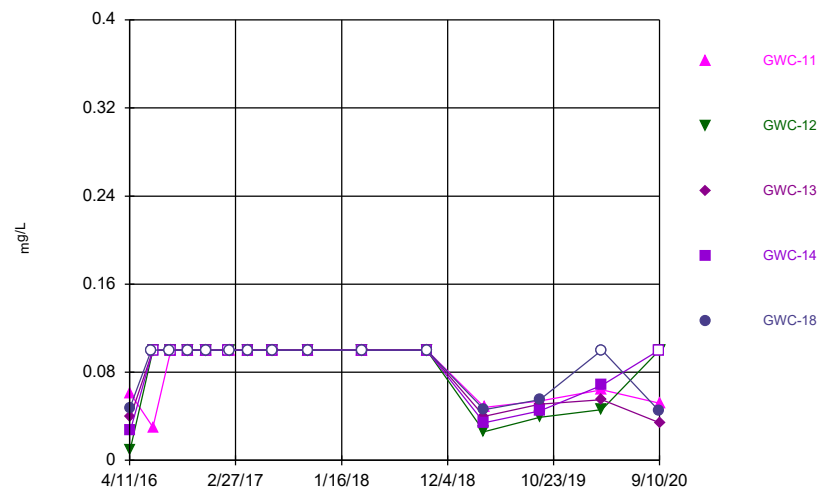
Time Series



Constituent: Fluoride, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

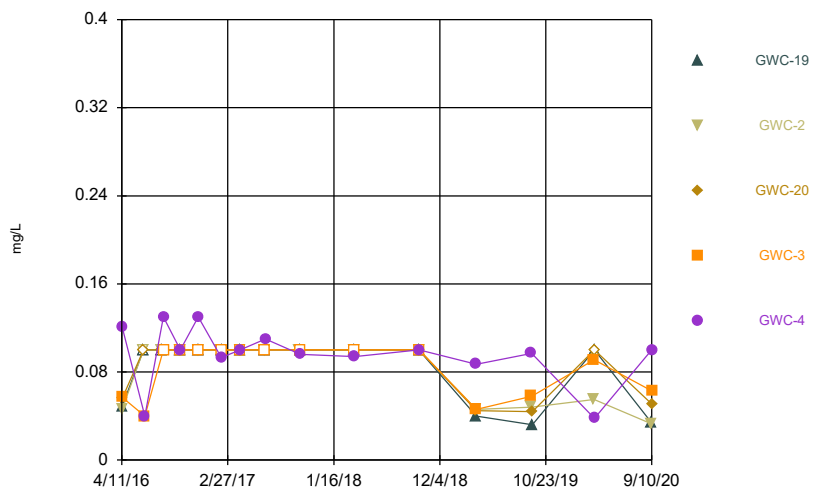
Time Series



Constituent: Fluoride, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

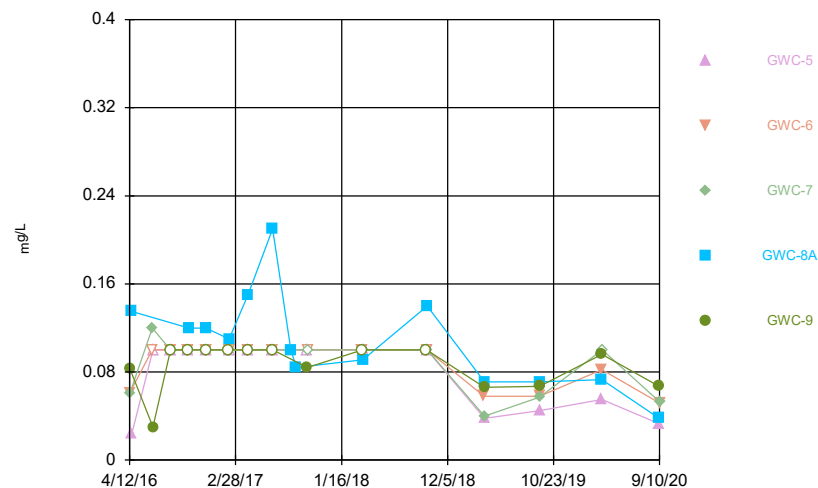
Time Series



Constituent: Fluoride, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

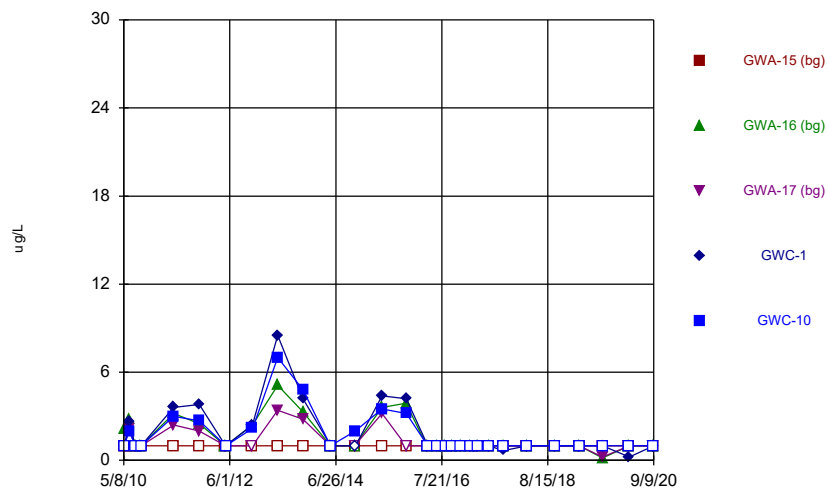


Constituent: Fluoride, total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

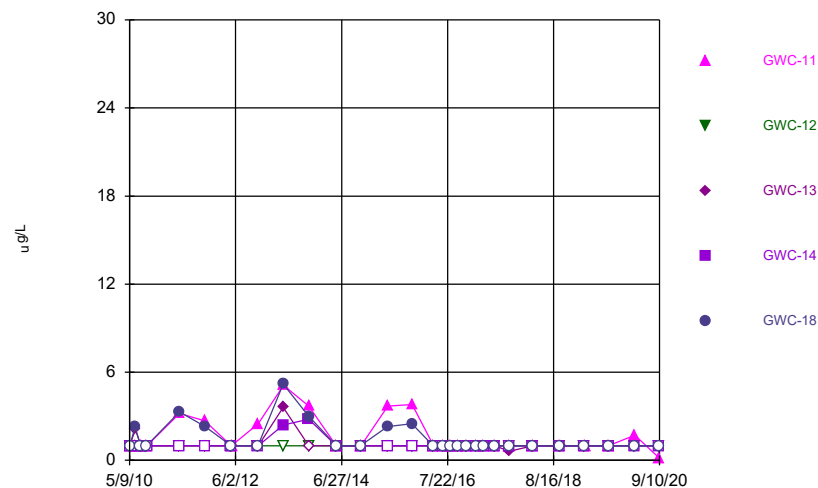
Time Series



Constituent: Lead, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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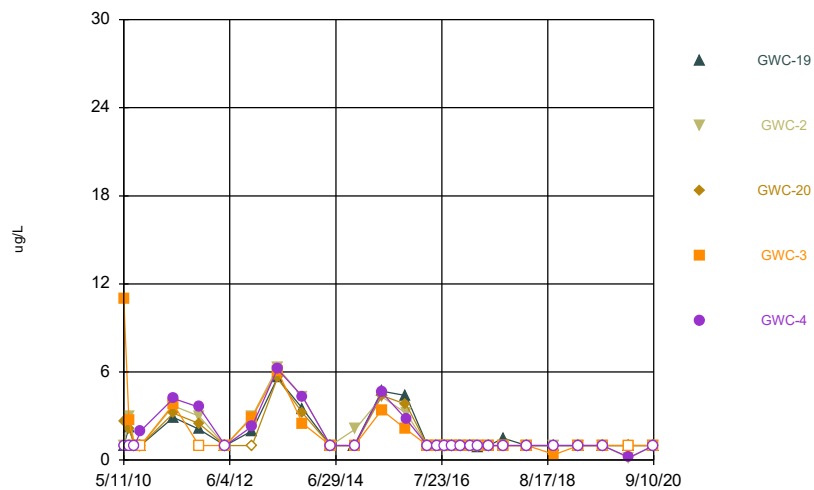
Time Series



Constituent: Lead, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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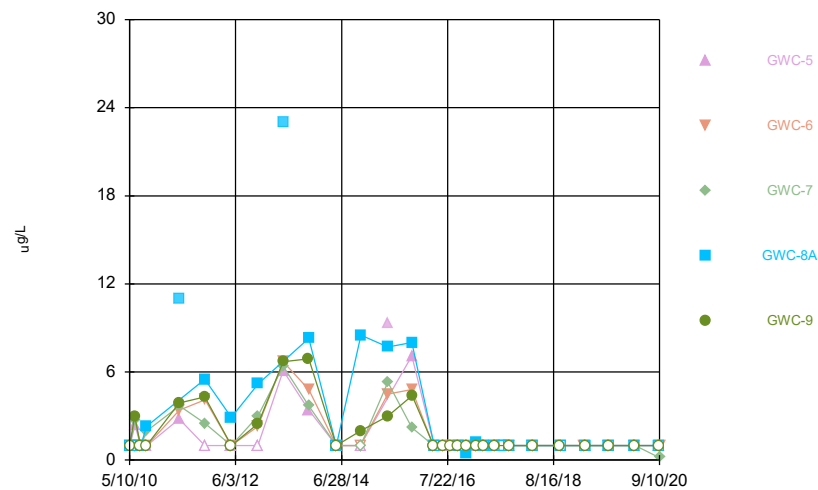
Time Series



Constituent: Lead, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

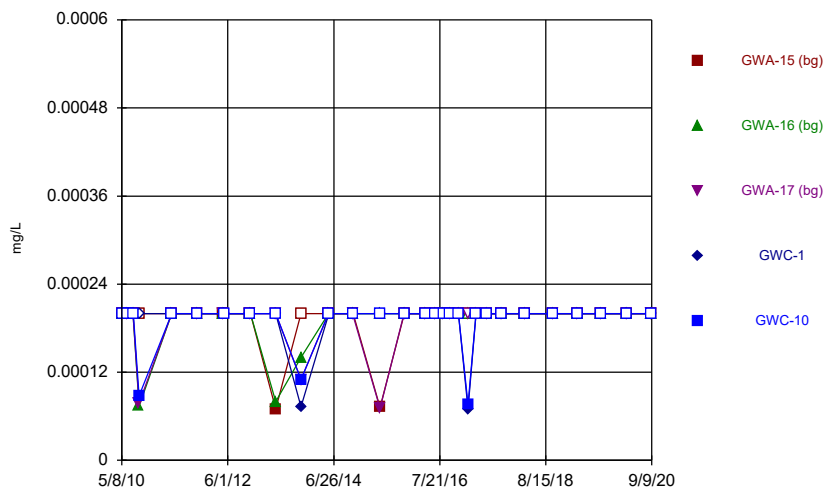


Constituent: Lead, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

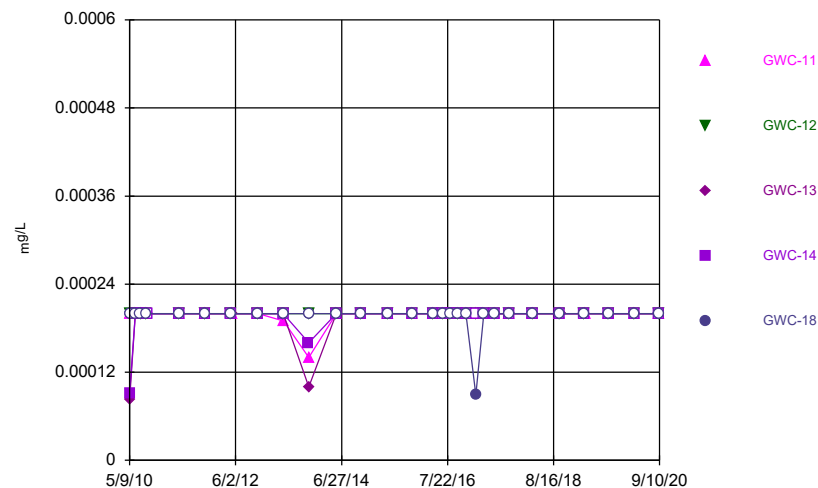
Time Series



Constituent: Mercurly Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

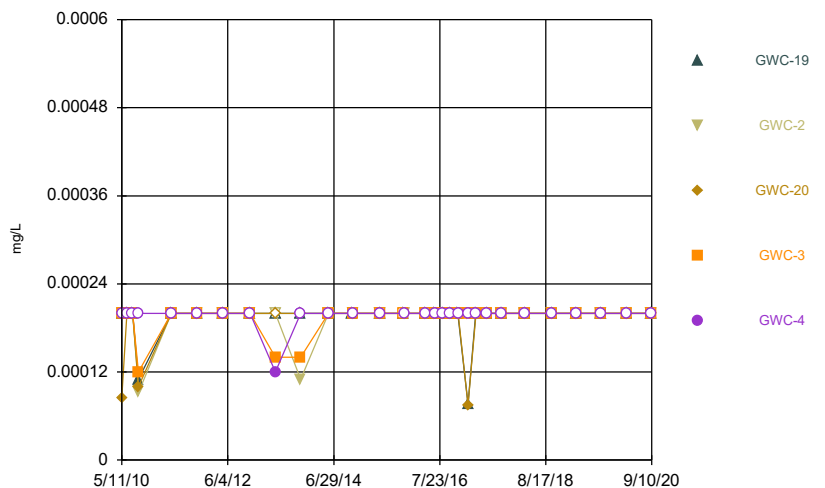
Time Series



Constituent: Mercurly Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

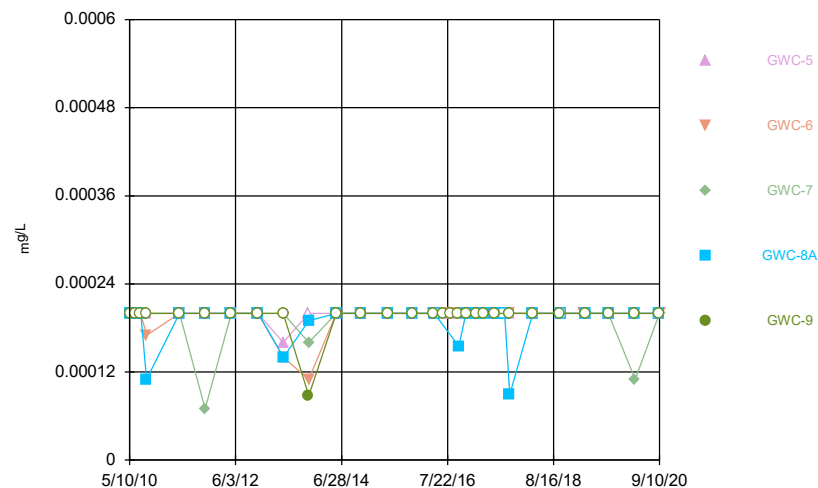
Time Series



Constituent: Mercurly Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

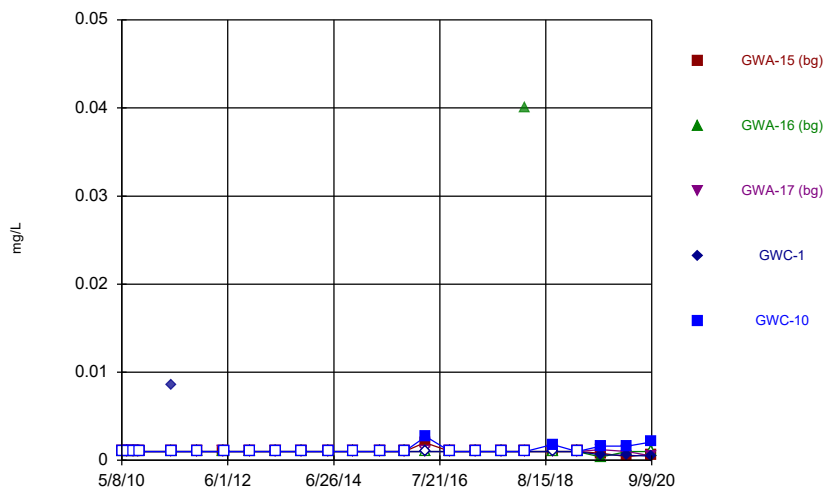


Constituent: Mercurly Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

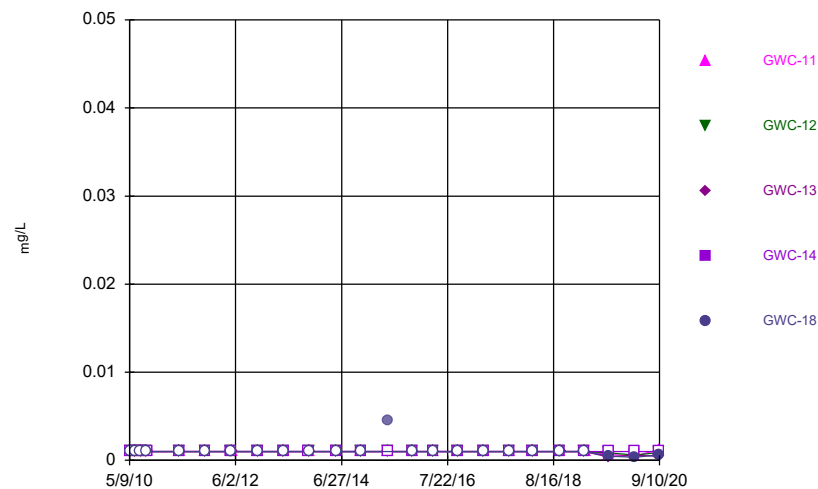
Time Series



Constituent: Nickel Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

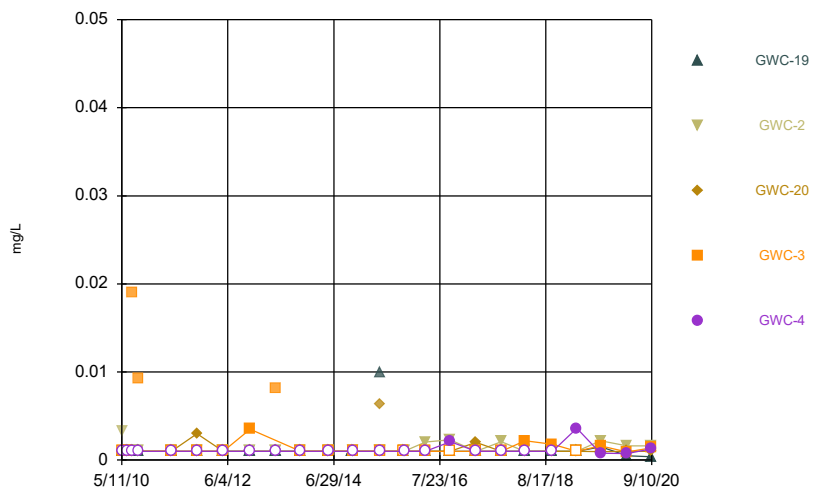
Time Series



Constituent: Nickel Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

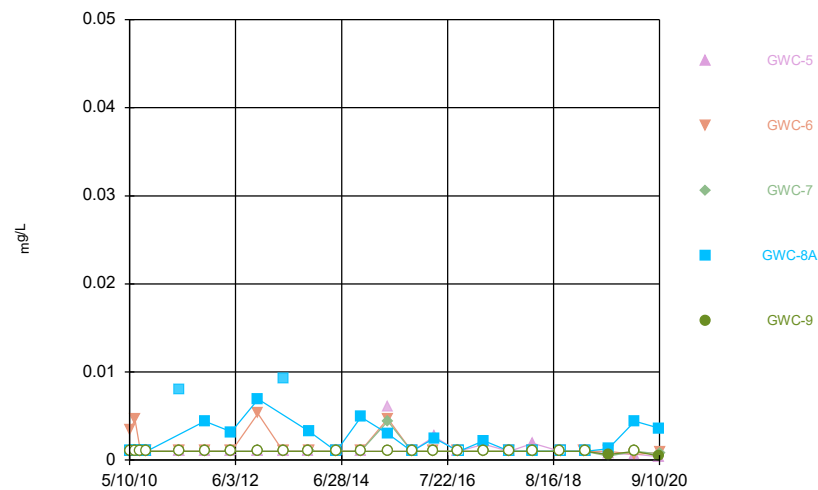
Time Series



Constituent: Nickel Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



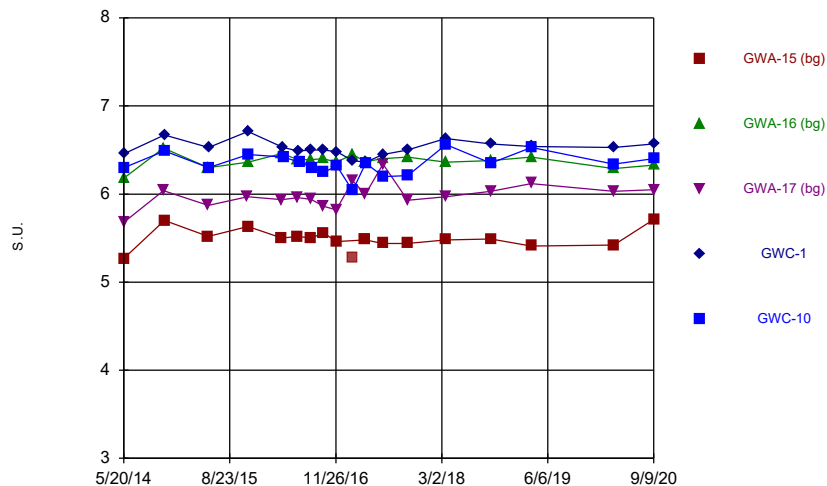
Constituent: Nickel Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

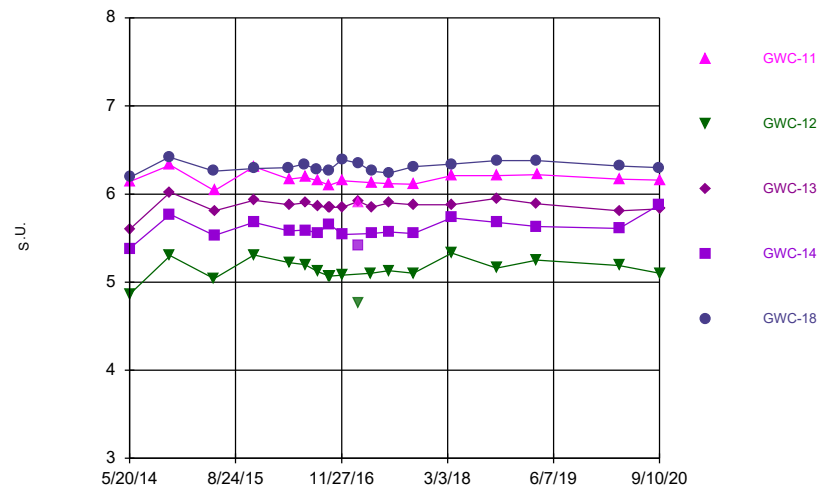
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



Constituent: pH, Field Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series

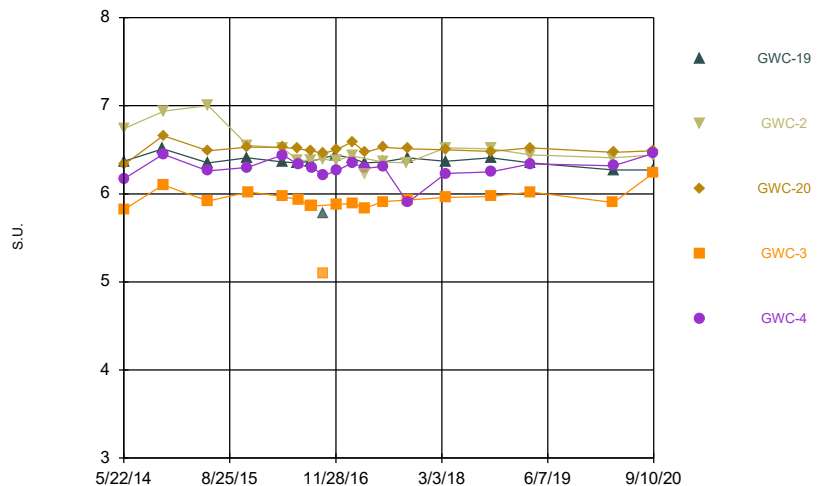


Constituent: pH, Field Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

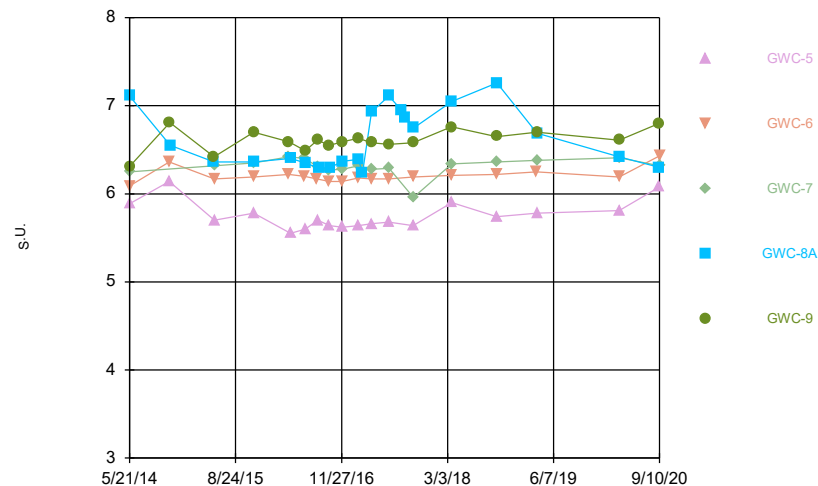
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series



Constituent: pH, Field Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



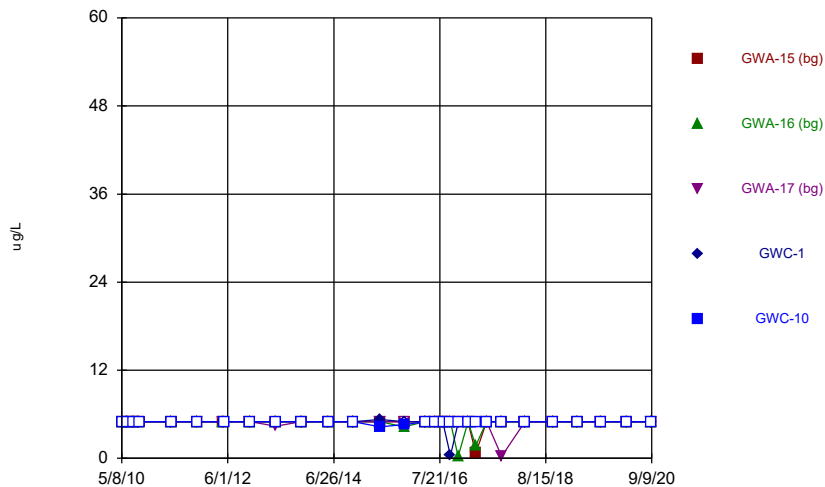
Constituent: pH, Field Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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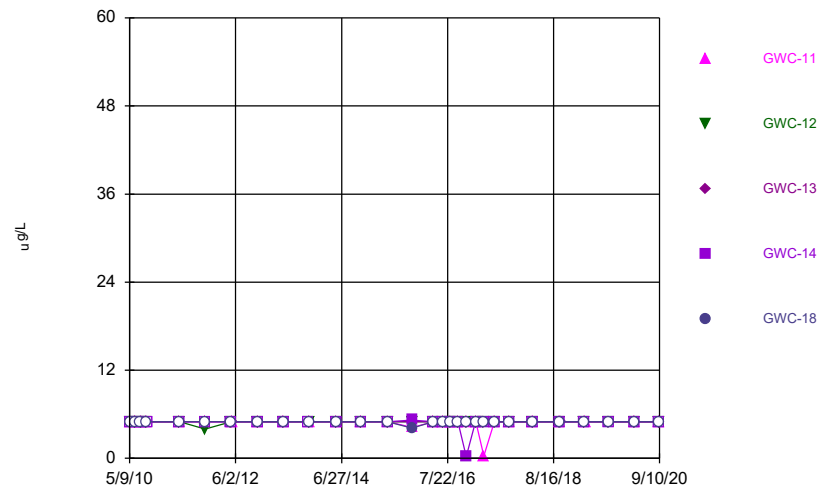
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



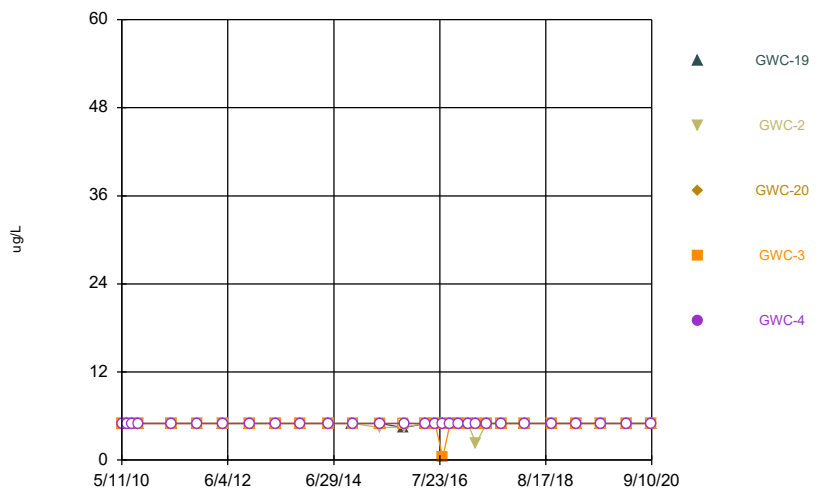
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



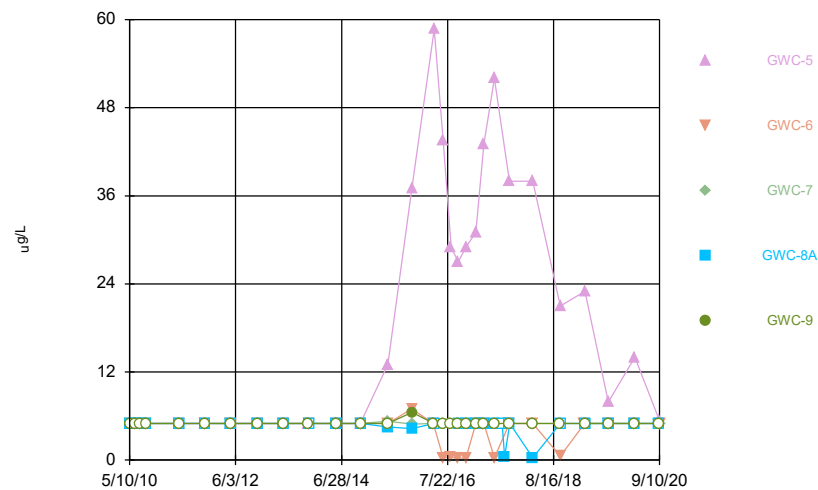
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

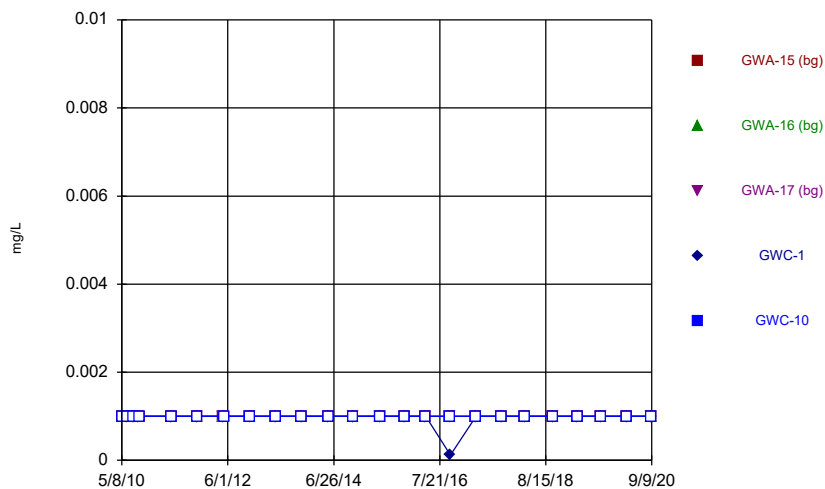
Time Series



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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

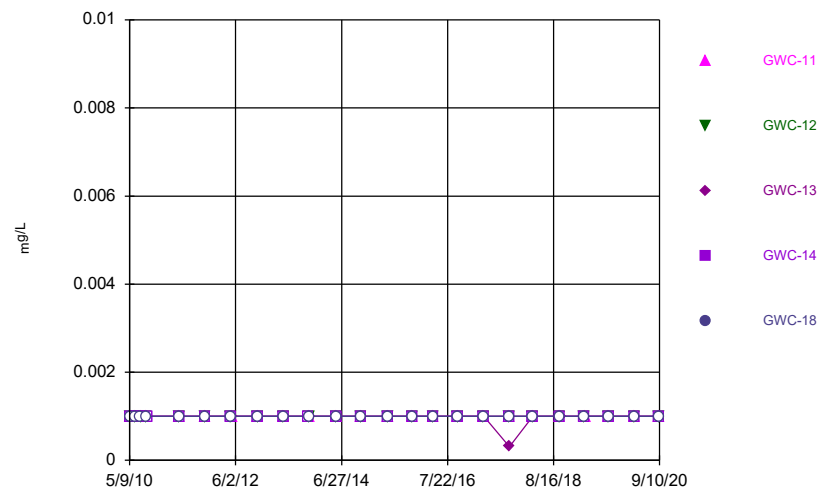
Time Series



Constituent: Silver Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

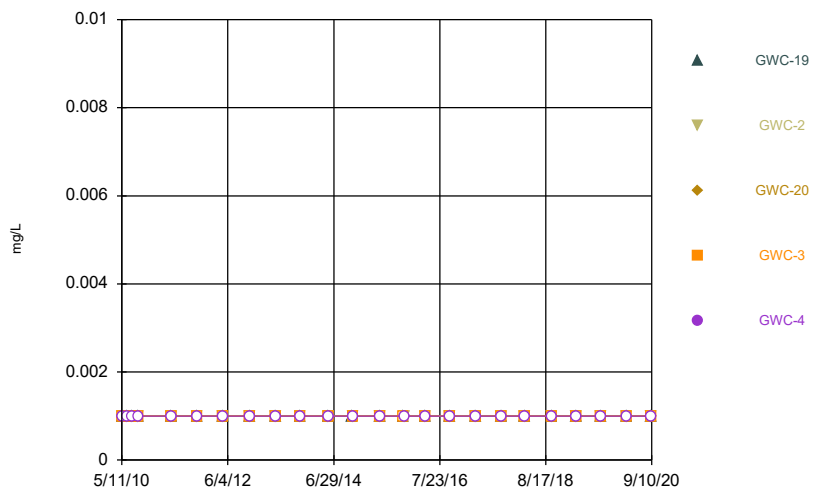
Time Series



Constituent: Silver Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

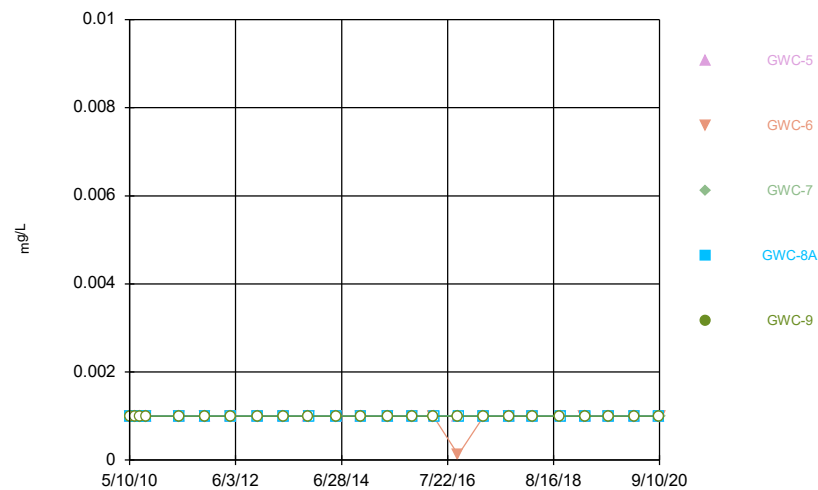
Time Series



Constituent: Silver Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

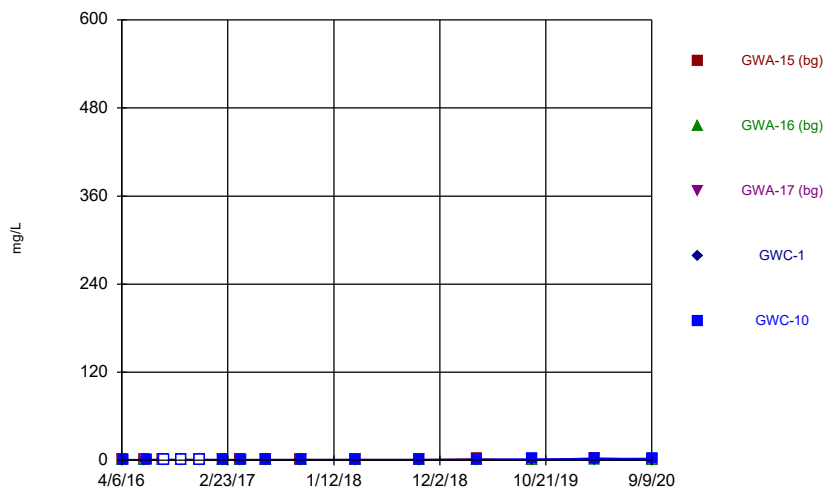


Constituent: Silver Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

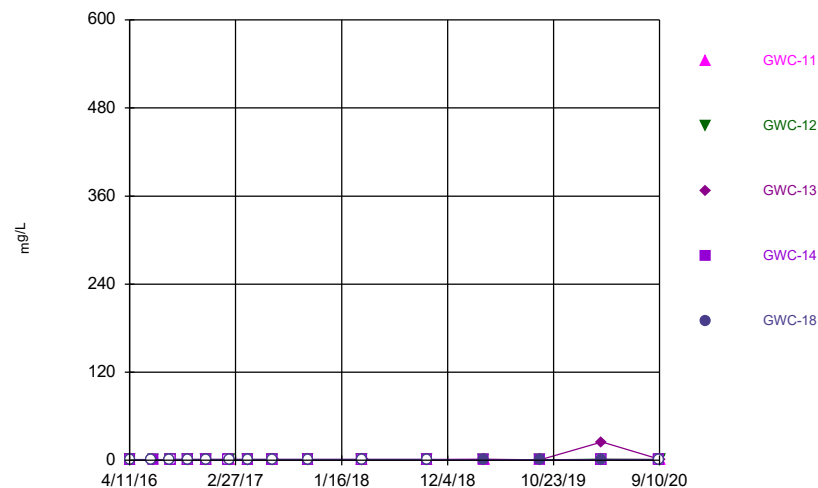
Time Series



Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

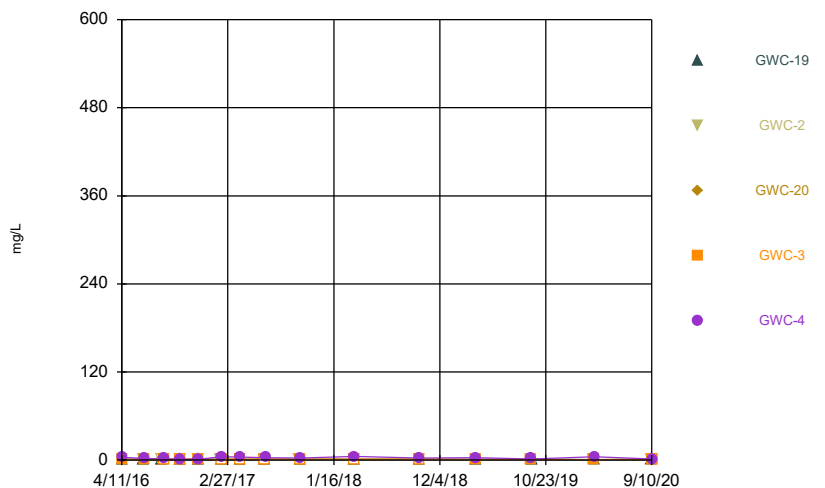
Time Series



Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

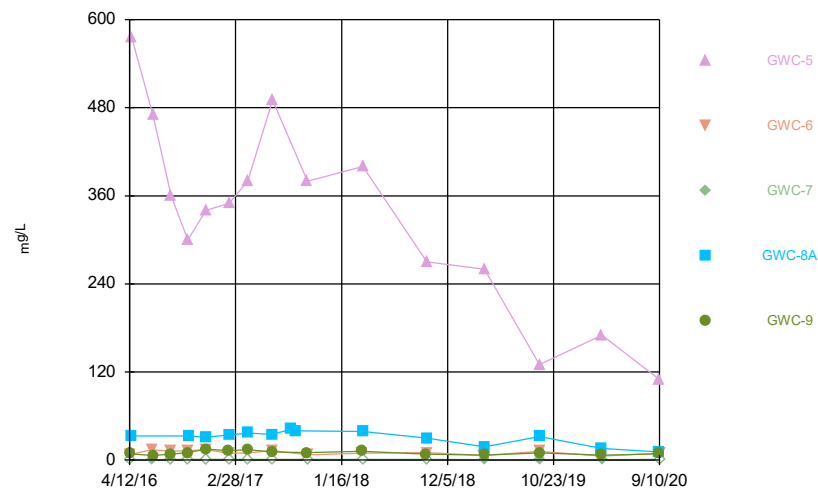
Time Series



Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Time Series

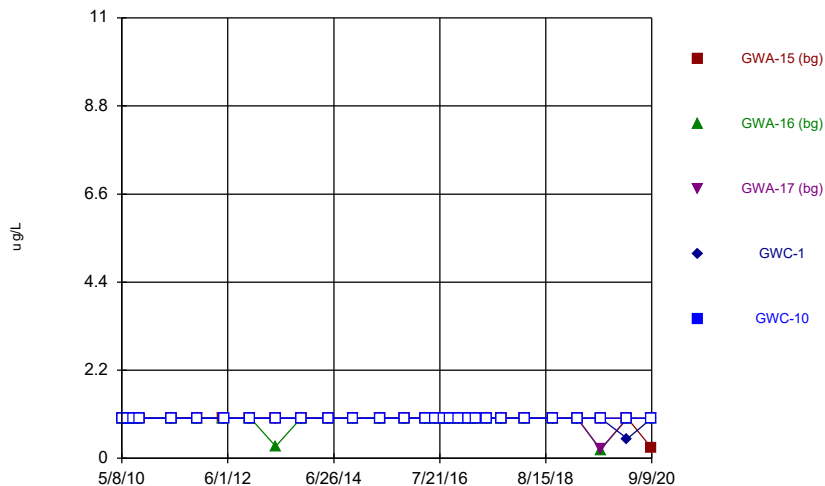


Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:51 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

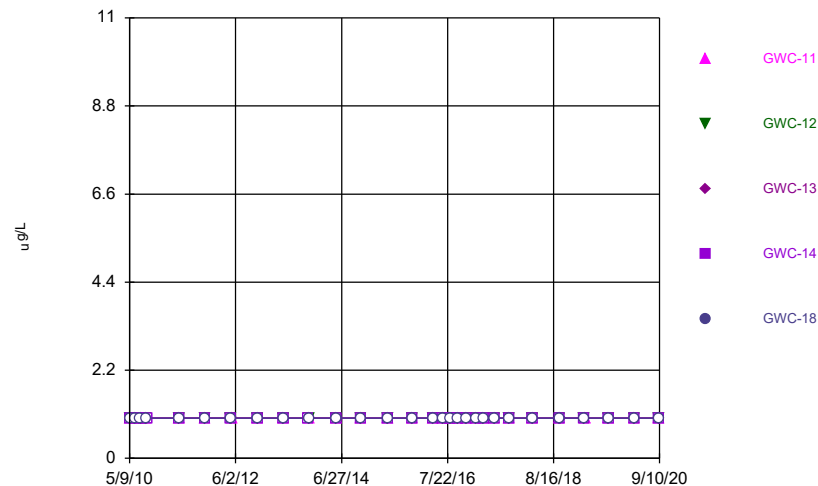
Time Series



Constituent: Thallium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

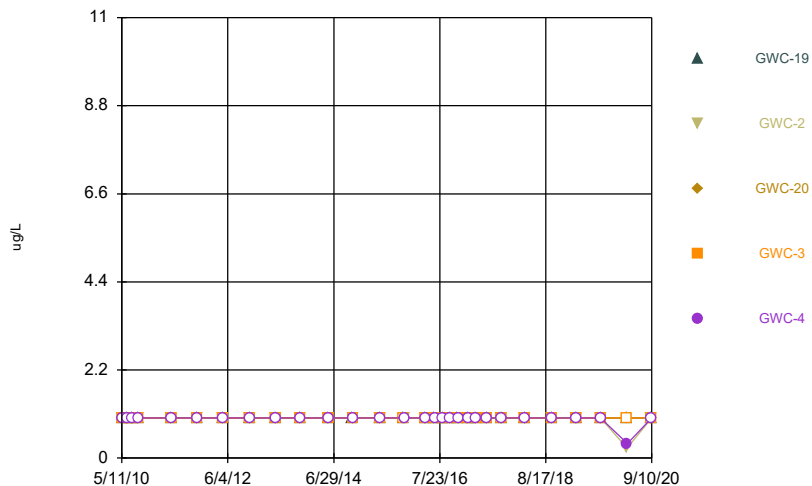
Time Series



Constituent: Thallium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

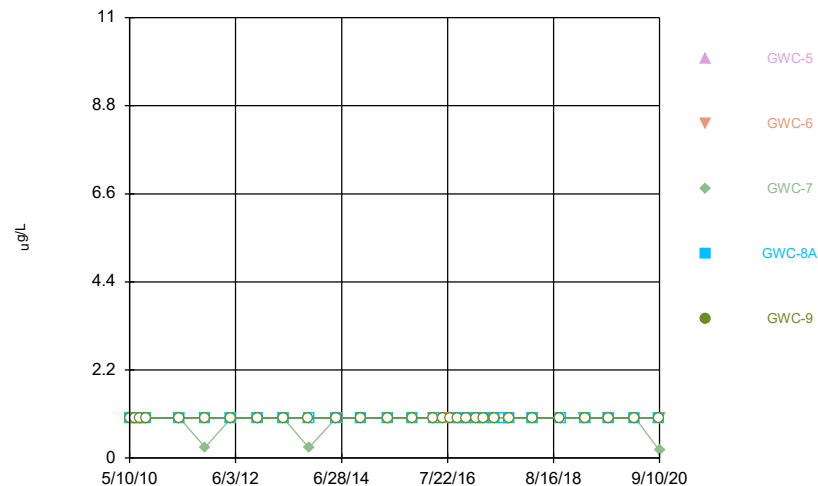
Time Series



Constituent: Thallium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

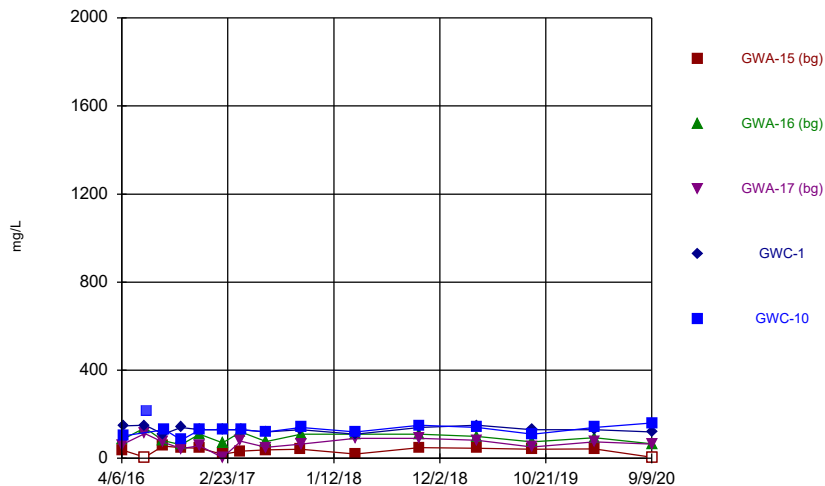


Constituent: Thallium, Total Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

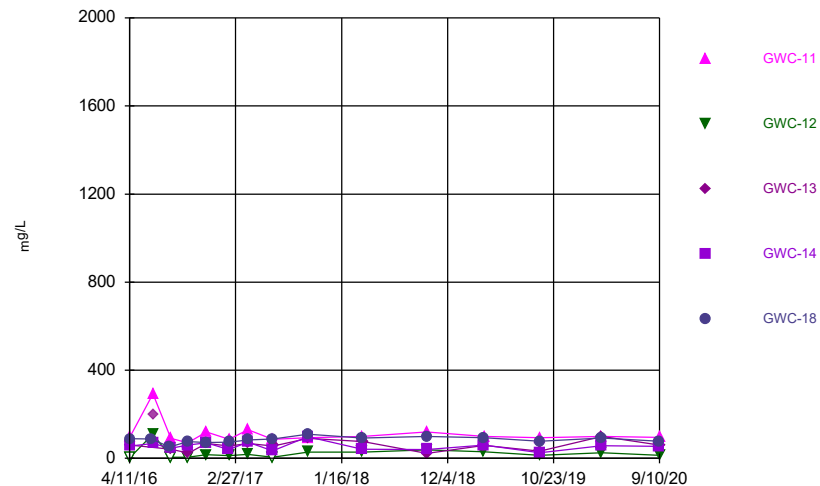
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

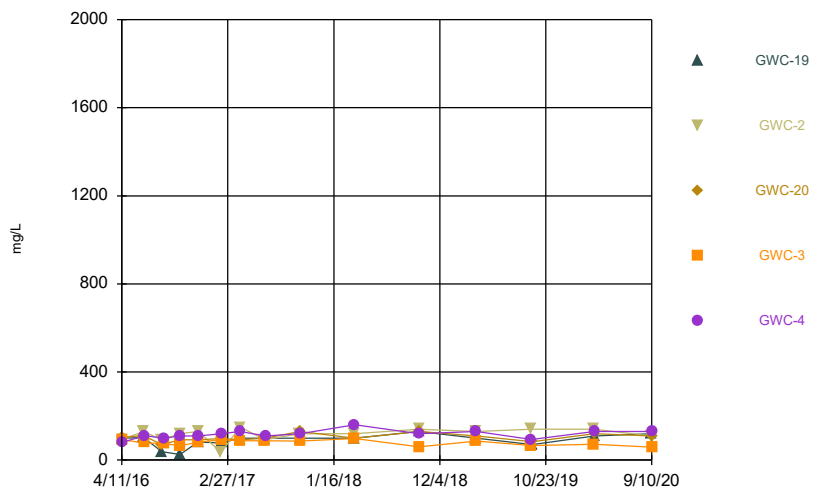
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

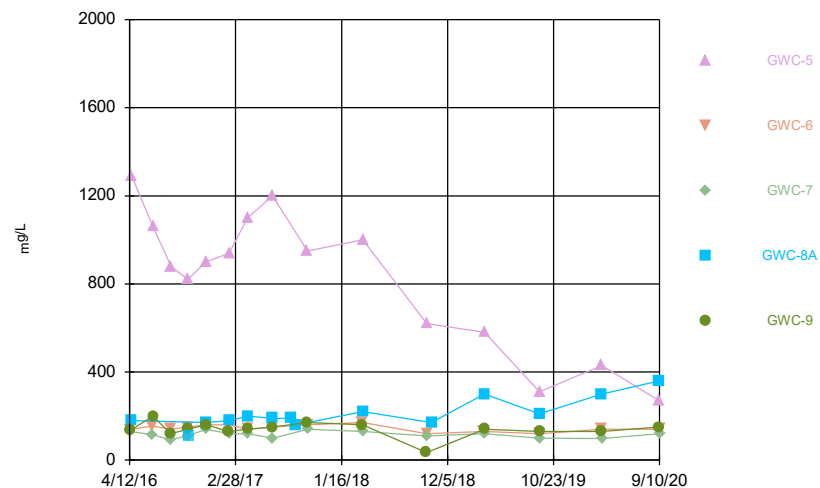
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Time Series

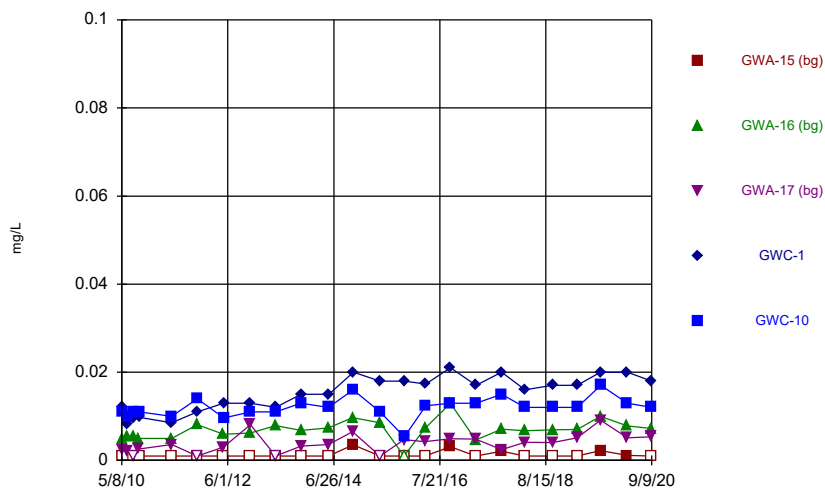


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

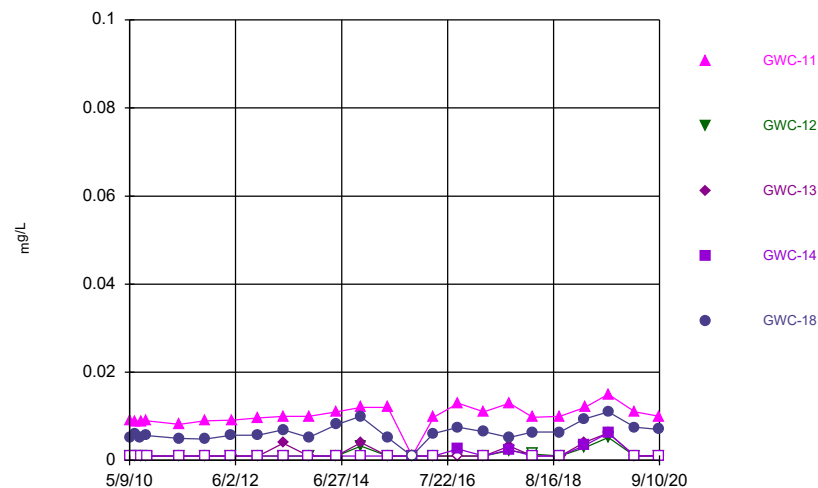
Time Series



Constituent: Vanadium Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

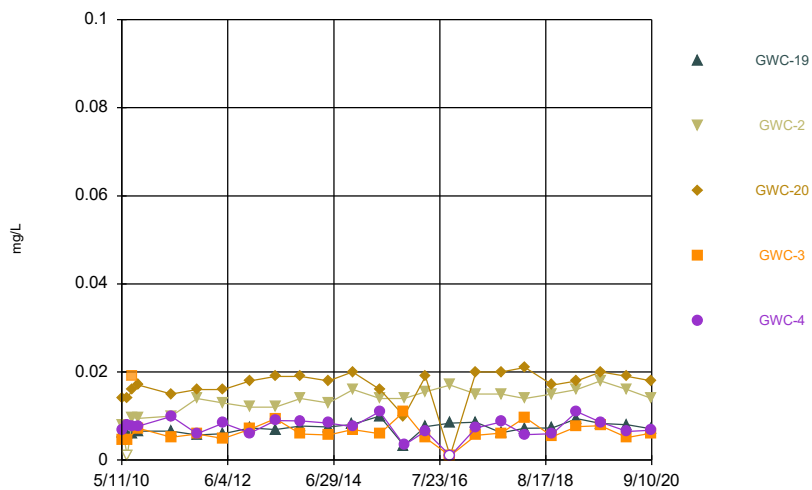
Time Series



Constituent: Vanadium Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

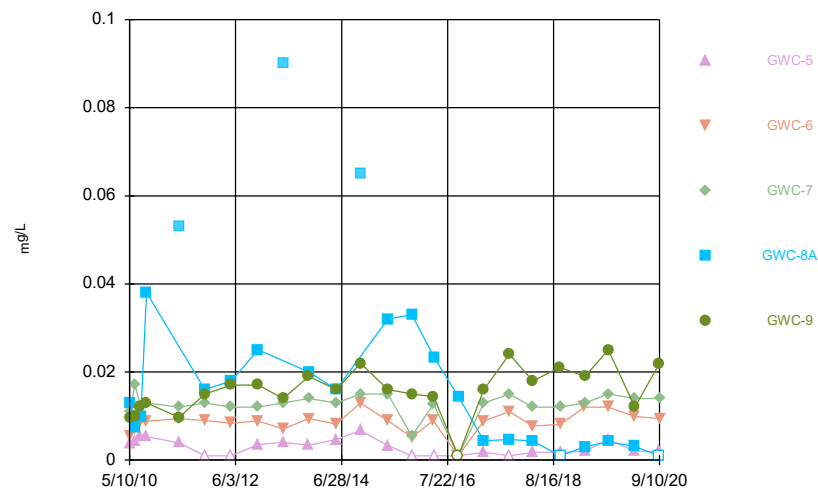
Time Series



Constituent: Vanadium Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

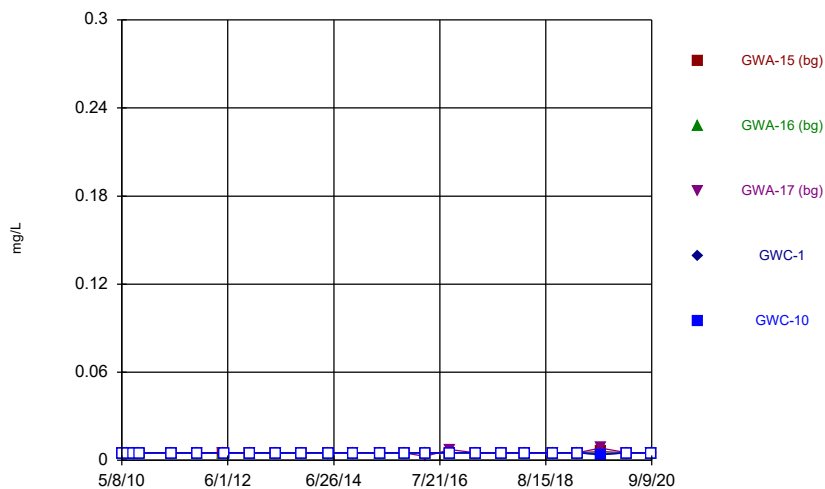


Constituent: Vanadium Analysis Run 11/19/2020 4:51 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

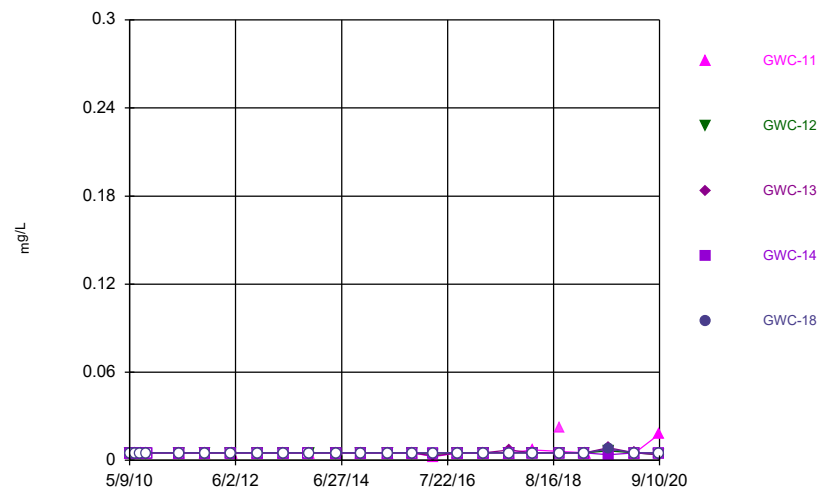
Time Series



Constituent: Zinc Analysis Run 11/19/2020 4:52 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

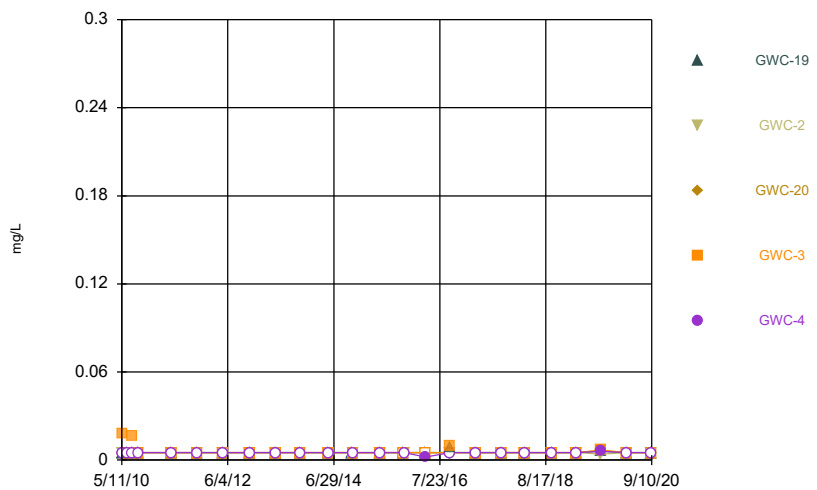
Time Series



Constituent: Zinc Analysis Run 11/19/2020 4:52 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

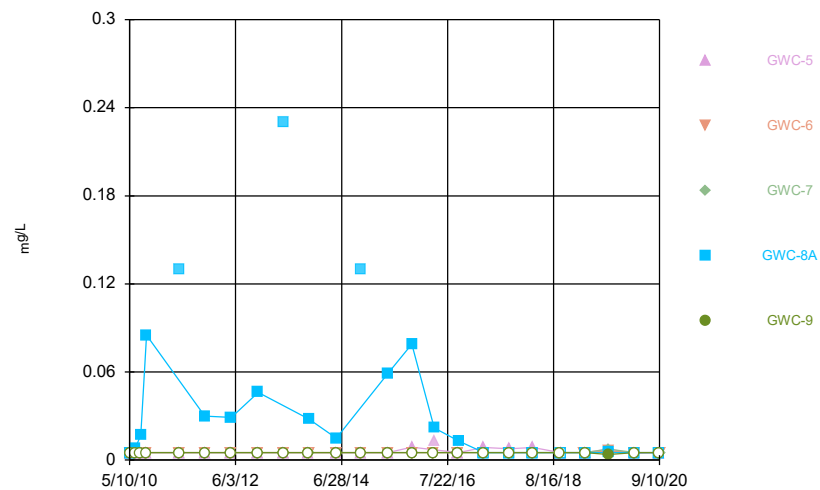
Time Series



Constituent: Zinc Analysis Run 11/19/2020 4:52 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 11/19/2020 4:52 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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**Time Series**

Constituent: Antimony, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<2						
5/9/2010	<2	<2					<2	<2	<2
5/10/2010					<2	<2			
5/11/2010				<2					
6/16/2010		<2	<2		<2	<2			
6/17/2010				<2					
6/18/2010	<2						<2	<2	<2
7/26/2010			<2						
7/27/2010		<2		<2		<2	<2		
7/28/2010	<2				<2				<2
7/29/2010								<2	
9/7/2010		<2	<2						
9/8/2010					<2	<2	<2		
9/9/2010	<2			<2				<2	<2
4/26/2011								<2	
4/28/2011				<2					
4/29/2011		<2	<2		<2	<2	<2		
4/30/2011	<2								<2
10/27/2011					<2	<2			
10/28/2011	<2	<2	<2				<2	<2	<2
10/29/2011				<2					
5/2/2012	<2	<2	<2						
5/3/2012				<2			<2		<2
5/4/2012					<2	<2		<2	
11/9/2012	<2	<2	<2	<2					
11/10/2012						<2	<2		<2
11/11/2012					<2			<2	
5/8/2013	<2	<2	<2					<2	<2
5/9/2013				<2	<2	<2	<2		
11/5/2013	<2			<2	<2				<2
11/6/2013		<2	<2			<2	<2		
11/7/2013								<2	
5/20/2014	<2	<2	<2			<2	<2	<2	<2
5/21/2014					<2				
5/23/2014				<2					
11/8/2014		<2	<2						
11/12/2014	<2				<2	<2	<2	<2	<2
11/13/2014				<2					
5/22/2015	<2	<2	<2						
5/23/2015				<2	<2		<2		
5/24/2015						<2		<2	<2
11/9/2015		<2	<2						
11/11/2015	<2			<2					<2
11/12/2015					<2	<2	<2	<2	
4/6/2016	<2	<2	<2						
4/12/2016				<2					
4/13/2016					<2 (D)	<2 (D)	0.646 (JD)	<2 (D)	<2 (D)
6/15/2016	<2	<2	<2						
6/16/2016				<2					
6/21/2016					<2	<2	<2	<2	<2
8/10/2016	<2	<2	<2						
8/11/2016				<2					



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**Time Series**

Constituent: Antimony, Total (ug/L)    Analysis Run 11/19/2020 5:02 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					<2	<2	<2	<2	<2
10/4/2016	<2	<2		<2					<2
10/5/2016			<2		<2	<2	<2		
10/7/2016								<2	
11/29/2016		<2	<2						
11/30/2016	<2			<2					
12/1/2016					<2	<2	<2	<2	<2
2/7/2017	<2	1 (J)	<2	<2					<2
2/8/2017					<2	<2	<2		
2/9/2017								<2	
4/4/2017	<2	<2	<2						
4/5/2017				<2			<2		
4/6/2017					<2	<2		<2	<2
6/20/2017	<2	<2	<2	<2		<2	<2		<2
6/21/2017					<2				
6/22/2017								<2	
10/4/2017	<2			<2					
10/5/2017		<2	<2		<2	<2	<2		<2
10/6/2017								<2	
3/20/2018	<2 (D)	<2	<2	<2					<2
3/21/2018					<2	<2	<2 (D)		
3/22/2018								<2	
10/2/2018	<2	<2	<2	<2	<2	<2	<2		<2
10/3/2018								<2	
3/26/2019	<2	<2	<2	<2			<2	<2	<2
3/27/2019					<2	<2			
9/10/2019	<2	<2	<2	<2					
9/11/2019					<2	<2	<2	<2	<2
3/18/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2
9/9/2020	<2	<2	<2	<2	<2				<2
9/10/2020						<2	<2	<2	

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**Time Series**

Constituent: Antimony, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2								<2
5/11/2010		<2	<2	<2	<2	<2	<2	<2	
6/16/2010	<2	<2							
6/17/2010				<2	<2	<2			
6/18/2010							<2	<2	<2
6/19/2010			<2						
7/26/2010	<2								
7/27/2010		<2	<2	<2			<2	<2	
7/28/2010					<2	<2			<2
9/7/2010	<2	<2		<2	<2				
9/8/2010						<2			
9/9/2010			<2				<2	<2	<2
4/28/2011			<2			<2			
4/29/2011	<2	<2		<2	<2		<2		
4/30/2011								<2	<2
10/28/2011	<2	<2	<2	<2	<2		<2		
10/29/2011						<2		<2	<2
5/2/2012	<2	<2							
5/3/2012			<2	<2	<2	<2			
5/4/2012							<2	<2	<2
11/9/2012	<2	<2	<2		<2				
11/10/2012				<2		<2	<2	<2	<2
5/8/2013	<2								
5/9/2013		<2	<2	<2			<2	<2	<2
5/10/2013					<2	<2			
11/5/2013			<2						
11/6/2013	<2	<2		<2	<2	<2	<2		
11/7/2013								<2	<2
5/21/2014								<2	<2
5/22/2014		<2	<2	<2	<2	<2	<2		
5/23/2014	<2								
11/8/2014	<2	<2							
11/9/2014				<2	<2	<2	<2	<2	
11/12/2014									<2
11/13/2014			<2						
5/22/2015	<2				<2	<2			
5/23/2015		<2							
5/24/2015			<2	<2			<2	<2	<2
11/10/2015	<2	<2		<2	<2				
11/11/2015			<2			<2	<2	<2	<2
4/11/2016	<2	<2							
4/12/2016			<2	<2	<2 (D)	<2		<2	
4/13/2016									<2 (D)
4/19/2016							<2		
6/16/2016	0.18 (J)	0.14 (J)	<2	<2					
6/20/2016					0.2 (J)	<2		<2	0.2 (J)
6/22/2016							<2		
8/11/2016	<2	<2	<2	<2					
8/12/2016					<2	<2		<2	
8/15/2016									<2
8/16/2016							<2		
10/4/2016			<2						

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**Time Series**

Constituent: Antimony, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2	<2		<2	<2				
10/6/2016						<2	<2	<2	<2
11/29/2016	<2	<2							
11/30/2016			<2	<2	<2	<2		<2	
12/1/2016							<2		<2
2/7/2017			<2						
2/8/2017	<2	<2		<2	<2	<2			
2/9/2017							<2	<2	<2
4/5/2017		<2							
4/6/2017	<2		<2	<2	<2	<2	<2	<2	
4/7/2017									<2
6/20/2017			<2						
6/21/2017	<2	<2		<2	<2		<2	<2	
6/22/2017						<2			<2
10/4/2017			<2						
10/5/2017	<2	<2		<2	<2		<2		
10/6/2017						<2		<2	<2
3/20/2018	<2	<2	<2						
3/21/2018				<2	<2	<2		<2	
3/22/2018							<2		<2
10/2/2018	<2	<2	<2						
10/3/2018				<2	<2	<2	<2	<2	
10/4/2018									<2
3/26/2019	<2	<2	<2	<2	<2	<2		<2	
3/27/2019							<2		<2
9/10/2019			0.42 (J)		<2	<2			
9/11/2019	0.39 (J)						<2	<2	<2
9/12/2019		<2		<2					
3/18/2020	<2		<2		<2		<2	<2	
3/19/2020		<2		<2		<2			<2
9/9/2020	<2	<2	<2				<2		
9/10/2020				<2	<2	<2		<2	<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Antimony, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<2	<2
6/16/2010		<2
6/19/2010	<2	
7/27/2010		<2
7/28/2010	<2	
9/8/2010	<2	<2
4/29/2011		<2
4/30/2011	<2	
10/27/2011	<2	<2
5/3/2012		<2
5/4/2012	<2	
11/11/2012	<2	<2
5/9/2013		<2
5/10/2013	<2	
11/6/2013		<2
11/7/2013	<2	
5/21/2014	<2	<2
11/12/2014		<2
11/13/2014	<2	
5/23/2015	<2	<2
11/11/2015	<2	
11/12/2015		<2
4/13/2016		<2 (D)
4/19/2016	<2	
6/22/2016		<2
8/15/2016		<2
10/6/2016		<2
10/10/2016	<2	
12/1/2016	<2	<2
2/8/2017		<2
2/9/2017	<2	
4/6/2017		<2
4/7/2017	<2	
6/21/2017	<2	<2
8/15/2017	<2	
9/1/2017	<2	
10/5/2017		<2
10/9/2017	<2	
3/21/2018		<2
3/22/2018	<2	
10/2/2018		<2
10/4/2018	<2	
3/27/2019	<2	<2
9/11/2019	<2	<2
3/18/2020	<2	<2
9/9/2020	<2	<2

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, T Total (ug/L) Analysis Run 11/19/2020 5:02 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			<1						
5/9/2010	<1	<1					<1	<1	<1
5/10/2010					<1	<1			
5/11/2010				<1					
6/16/2010		<1	<1		<1	<1			
6/17/2010				<1					
6/18/2010	<1						<1	<1	<1
7/26/2010			<1						
7/27/2010		<1		<1		<1	<1		
7/28/2010	<1				<1				<1
7/29/2010								<1	
9/7/2010		<1	<1						
9/8/2010					<1	<1	<1		
9/9/2010	<1			<1				<1	<1
4/26/2011								<1	
4/28/2011				<1					
4/29/2011		<1	<1		<1	<1	<1		
4/30/2011	<1								<1
10/27/2011					<1	<1			
10/28/2011	<1	<1	<1				<1	<1	<1
10/29/2011				<1					
5/2/2012	<1	<1	<1						
5/3/2012				<1			<1		<1
5/4/2012					<1	<1		<1	
11/9/2012	<1	<1	<1	<1					
11/10/2012						<1	<1		<1
11/11/2012					<1			<1	
5/8/2013	<1	<1	<1					<1	<1
5/9/2013				<1	<1	<1	<1		
11/5/2013	<1			<1	<1				<1
11/6/2013		<1	<1			<1	<1		
11/7/2013								<1	
5/20/2014	<1	<1	<1			<1	<1	<1	<1
5/21/2014					<1				
5/23/2014				<1					
11/8/2014		<1	<1						
11/12/2014	<1				<1	<1	<1	<1	<1
11/13/2014				<1					
5/22/2015	<1	<1	<1						
5/23/2015				<1	<1		<1		
5/24/2015						<1		<1	<1
11/9/2015		<1	<1						
11/11/2015	<1			<1					<1
11/12/2015					<1	<1	<1	<1	
4/6/2016	<1	<1	<1						
4/12/2016				<1					
4/13/2016					<1 (D)	<1 (D)	<1 (D)	<1 (D)	<1 (D)
6/15/2016	<1	<1	<1						
6/16/2016				0.06 (J)					
6/21/2016					<1	<1	<1	<1	<1
8/10/2016	<1	<1	<1						
8/11/2016				<1					

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Arsenic, T Total (ug/L) Analysis Run 11/19/2020 5:02 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					<1	<1	<1	<1	<1
10/4/2016	<1	<1		0.79					<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	<1	<1	<1	<1					<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					<1	<1		<1	<1
6/20/2017	<1	<1	<1	<1		<1	<1		<1
6/21/2017					<1				
6/22/2017								<1	
10/4/2017	<1			<1					
10/5/2017		<1	<1		<1	<1	<1		<1
10/6/2017								<1	
3/20/2018	<1 (D)	<1	<1	<1					<1
3/21/2018					<1	<1	<1 (D)		
3/22/2018								<1	
10/2/2018	<1	<1	<1	<1	<1	<1	<1		<1
10/3/2018								<1	
3/26/2019	<1	<1	<1	<1			<1	<1	<1
3/27/2019					<1	<1			
9/10/2019	0.32 (J)	0.49 (J)	0.69 (J)	0.33 (J)					
9/11/2019					0.55 (J)	0.45 (J)	0.38 (J)	0.42 (J)	0.45 (J)
3/18/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
9/9/2020	<1	<1	<1	<1	<1				<1
9/10/2020						<1	<1	<1	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, T Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1								<1
5/11/2010		<1	<1	<1	<1	<1	<1	<1	
6/16/2010	<1	<1							
6/17/2010				<1	<1	<1			
6/18/2010							<1	<1	<1
6/19/2010			<1						
7/26/2010	<1								
7/27/2010		<1	<1	<1			<1	<1	
7/28/2010					<1	<1			<1
9/7/2010	<1	<1		<1	<1				
9/8/2010						<1			
9/9/2010			<1				<1	<1	<1
4/28/2011			<1			<1			
4/29/2011	<1	<1		<1	<1		<1		
4/30/2011								<1	<1
10/28/2011	<1	<1	<1	<1	<1		<1		
10/29/2011						<1		<1	<1
5/2/2012	<1	<1							
5/3/2012			<1	<1	<1	<1			
5/4/2012							<1	<1	<1
11/9/2012	<1	<1	<1		<1				
11/10/2012				<1		<1	<1	<1	<1
5/8/2013	<1								
5/9/2013		<1	<1	<1			<1	<1	<1
5/10/2013					<1	<1			
11/5/2013			<1						
11/6/2013	<1	<1		<1	<1	<1	<1		
11/7/2013								<1	<1
5/21/2014								<1	<1
5/22/2014		<1	<1	<1	<1	<1	<1		
5/23/2014	<1								
11/8/2014	<1	<1							
11/9/2014				<1	<1	<1	<1	<1	
11/12/2014									<1
11/13/2014			<1						
5/22/2015	<1				<1	<1			
5/23/2015		<1							
5/24/2015			<1	<1			<1	<1	<1
11/10/2015	<1	<1		<1	<1				
11/11/2015			<1			<1	<1	<1	<1
4/11/2016	<1	<1							
4/12/2016			<1	<1	<1 (D)	<1		<1	
4/13/2016									<1 (D)
4/19/2016							<1		
6/16/2016	<1	0.051 (J)	0.055 (J)	0.054 (J)					
6/20/2016					<1	<1		0.063 (J)	<1
6/22/2016							0.8		
8/11/2016	<1	<1	<1	<1					
8/12/2016					0.53 (J)	<1		<1	
8/15/2016									<1
8/16/2016							<1		
10/4/2016			<1						

Time Series

Constituent: Arsenic, T Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1	<1		<1	<1				
10/6/2016						<1	<1	<1	<1
11/29/2016	<1	<1							
11/30/2016			<1	<1	<1	<1		<1	
12/1/2016							<1		<1
2/7/2017			<1						
2/8/2017	<1	<1		<1	<1	<1			
2/9/2017							<1	<1	<1
4/5/2017		<1							
4/6/2017	<1		<1	<1	<1	<1	<1	<1	
4/7/2017									<1
6/20/2017			<1						
6/21/2017	<1	<1		<1	<1		<1	<1	
6/22/2017						<1			<1
10/4/2017			<1						
10/5/2017	<1	<1		<1	<1		<1		
10/6/2017						<1		<1	<1
3/20/2018	<1	<1	<1						
3/21/2018				0.78	0.89	<1		<1	
3/22/2018							0.46 (J)		<1
10/2/2018	<1	<1	<1						
10/3/2018				<1	<1	<1	<1	<1	
10/4/2018									<1
3/26/2019	<1	<1	<1	<1	<1	<1		<1	
3/27/2019							<1		<1
9/10/2019			0.38 (J)		0.32 (J)	0.32 (J)			
9/11/2019	0.43 (J)						0.38 (J)	0.41 (J)	0.38 (J)
9/12/2019		<1		<1					
3/18/2020	<1		<1		<1		<1	<1	
3/19/2020		<1		<1		<1			<1
9/9/2020	<1	<1	<1				<1		
9/10/2020				<1	<1	<1		<1	<1



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, T Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<1	<1
6/16/2010		<1
6/19/2010	<1	
7/27/2010		<1
7/28/2010	<1	
9/8/2010	<1	<1
4/29/2011		<1
4/30/2011	<1	
10/27/2011	<1	<1
5/3/2012		<1
5/4/2012	<1	
11/11/2012	<1	<1
5/9/2013		<1
5/10/2013	<1	
11/6/2013		<1
11/7/2013	<1	
5/21/2014	<1	<1
11/12/2014		<1
11/13/2014	<1	
5/23/2015	<1	<1
11/11/2015	<1	
11/12/2015		<1
4/13/2016		<1 (D)
4/19/2016	<1	
6/22/2016		<1
8/15/2016		<1
10/6/2016		<1
10/10/2016	<1	
12/1/2016	<1	<1
2/8/2017		<1
2/9/2017	1.15 (D)	
4/6/2017		<1
4/7/2017	<1	
6/21/2017	1.4	<1
8/15/2017	0.86	
9/1/2017	0.75	
10/5/2017		<1
10/9/2017	1.3	
3/21/2018		<1
3/22/2018	0.75	
10/2/2018		<1
10/4/2018	<1	
3/27/2019	1.2	0.62
9/11/2019	1 (J)	0.55 (J)
3/18/2020	0.42 (J)	<1
9/9/2020	0.92 (J)	<1

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			48 (J)						
5/9/2010	10 (J)	31 (J)					17 (J)	29 (J)	10 (J)
5/10/2010					24 (J)	18 (J)			
5/11/2010				54 (J)					
6/16/2010		29 (J)	44 (J)		22 (J)	18 (J)			
6/17/2010				54 (J)					
6/18/2010	10 (J)						14 (J)	28 (J)	9.7 (J)
7/26/2010			42 (J)						
7/27/2010		29 (J)		54 (J)		18 (J)	15 (J)		
7/28/2010	11 (J)				23 (J)				9.6 (J)
7/29/2010								29 (J)	
9/7/2010		28 (J)	40 (J)						
9/8/2010					23 (J)	17 (J)	13 (J)		
9/9/2010	11 (J)			46 (J)				28 (J)	10 (J)
4/26/2011								38 (J)	
4/28/2011				57 (J)					
4/29/2011		26 (J)	38 (J)		22 (J)	16 (J)	16 (J)		
4/30/2011	9.1 (J)								9.6 (J)
10/27/2011					22	15			
10/28/2011	9.6 (J)	25	34				13	26	6.4 (O)
10/29/2011				46					
5/2/2012	12	25	30						
5/3/2012				49			12		5.4 (O)
5/4/2012					19	14		24	
11/9/2012	12 (V)	28 (V)	39 (V)	45 (V)					
11/10/2012						16 (V)	15 (V)		9.4 (J)
11/11/2012					25 (V)			27 (V)	
5/8/2013	10	29	34					45	9.3 (J)
5/9/2013				53	24	16	15		
11/5/2013	9.8 (J)			45	25				9 (J)
11/6/2013		26	32			16	15		
11/7/2013								26	
5/20/2014	8.1 (J)	25	30			16	15	24	9 (J)
5/21/2014					24				
5/23/2014				43					
11/8/2014		26	31						
11/12/2014	9.8 (J)				26	17	18	29	9.8 (J)
11/13/2014				46					
5/22/2015	8.8 (J)	26	33						
5/23/2015				46	26		16		
5/24/2015						17		27	9.6 (J)
11/9/2015		24	34						
11/11/2015	11			47					9.2 (J)
11/12/2015					26	16	15	29	
4/6/2016	9.59 (J)	26	34.7						
4/12/2016				47.4					
4/13/2016					25.8 (D)	15.9 (D)	16.6 (D)	29 (D)	9.29 (JD)
6/15/2016	9.1 (J)	23	29						
6/16/2016				44					
6/21/2016					28.6	18	17.3	30.6	10.6
8/10/2016	9	22	27						
8/11/2016				40					

Time Series

Constituent: Barium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					24	15	15	26	7.7
10/4/2016	<21	24		48					<21
10/5/2016			<21		<21	<21	<21		
10/7/2016								31	
11/29/2016		23	24						
11/30/2016	11			43					
12/1/2016					28	16	16	31	8.9
2/7/2017	9.9	24	29	42					8.9
2/8/2017					27	15	16		
2/9/2017								32	
4/4/2017	9.2	22	30						
4/5/2017				41			16		
4/6/2017					27	16		29	8.5
6/20/2017	9.9	25	36	46		16	17		9.7
6/21/2017					31				
6/22/2017								34	
10/4/2017	9.8			44					
10/5/2017		23	27		29	16	17		9.6
10/6/2017								31	
3/20/2018	10	23	27	42					9.1
3/21/2018					<21 (X)	<21 (X)	<21 (X)		
3/22/2018								34	
10/2/2018	9.9	23	27	43	29	16	16		9.6
10/3/2018								30	
3/26/2019	9.9	24	31	44			17	35	9.2
3/27/2019					27	15			
9/10/2019	11	39	51	46					
9/11/2019					33	17	17	35	11
3/18/2020	10	27	31	49	36	19	18	58	9.9 (J)
9/9/2020	10	24	33	46	36				10
9/10/2020						20	19	37	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	39 (J)								29 (J)
5/11/2010		18 (J)	48 (J)	32 (J)	39	31 (J)	34 (J)	53 (J)	
6/16/2010	41 (J)	17 (J)							
6/17/2010				31 (J)	17	33 (J)			
6/18/2010							28 (J)	55 (J)	44 (J)
6/19/2010			33 (J)						
7/26/2010	40 (J)								
7/27/2010		16 (J)	47 (J)	35 (J)			26 (J)	53 (J)	
7/28/2010					71 (O)	33 (J)			28 (J)
9/7/2010	38 (J)	17 (J)		32 (J)	26				
9/8/2010						33 (J)			
9/9/2010			45 (J)				22 (J)	50 (J)	29 (J)
4/28/2011			48 (J)			39 (J)			
4/29/2011	34 (J)	18 (J)		31 (J)	16		16 (J)		
4/30/2011								50 (J)	25 (J)
10/28/2011	35	16	44	30	14		14		
10/29/2011						29		45	26
5/2/2012	38	18							
5/3/2012			47	32	17	36			
5/4/2012							17	51	32
11/9/2012	35 (V)	17 (V)	55 (V)		22 (V)				
11/10/2012				28 (V)		32 (V)	14 (V)	48 (V)	28 (V)
5/8/2013	37								
5/9/2013		17	49	29			16	48	30
5/10/2013					25	35			
11/5/2013			45						
11/6/2013	36 (V)	18 (V)		30 (V)	15	37	16		
11/7/2013								49	31
5/21/2014								48	29
5/22/2014		16	40	29	16	31	16		
5/23/2014	36								
11/8/2014	38	18							
11/9/2014				32	17	34	18	53	
11/12/2014									31
11/13/2014			45						
5/22/2015	35				17	39			
5/23/2015		18							
5/24/2015			45	29			110	61	39
11/10/2015	32	17		26	18				
11/11/2015			45			42	120	63	32
4/11/2016	35.2	19.1							
4/12/2016			51.9	33	16.9 (D)	38.6		62.6	
4/13/2016									32.8 (D)
4/19/2016							99		
6/16/2016	33	17	45	28					
6/20/2016					14	31		57	30
6/22/2016							74		
8/11/2016	35	15	40	26					
8/12/2016					18	33		53	
8/15/2016									33
8/16/2016							45		
10/4/2016			44						

Time Series

Constituent: Barium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<21	<21		30	15				
10/6/2016						42	46	53	32
11/29/2016	34	17							
11/30/2016			44	30	18	40		60	
12/1/2016							46		34
2/7/2017			44						
2/8/2017	32	17		33	18	42			
2/9/2017							55	54	32
4/5/2017		17							
4/6/2017	31		41	33	17	41	57	55	
4/7/2017									31
6/20/2017			45						
6/21/2017	35	19		30	20		62	63	
6/22/2017						47			35
10/4/2017			47						
10/5/2017	34	18		28	17		52		
10/6/2017						45		54	34
3/20/2018	33	19	45						
3/21/2018				<21 (X)	<21 (X)	45		56	
3/22/2018							48		35
10/2/2018	32	18	44						
10/3/2018				28	16	42	36	51	
10/4/2018									31
3/26/2019	33	18	45	30	15	53		52	
3/27/2019							38		33
9/10/2019			47		14	37			
9/11/2019	35						39	59	35
9/12/2019		26		35					
3/18/2020	36		48		13		40	50	
3/19/2020		25		32		45			36
9/9/2020	36	26	47				33		
9/10/2020				31	15	45		56	39

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	50 (J)	26 (J)
6/16/2010		26 (J)
6/19/2010	45 (J)	
7/27/2010		29 (J)
7/28/2010	46 (J)	
9/8/2010	71 (J)	27 (J)
4/29/2011		20 (J)
4/30/2011	98 (J)	
10/27/2011	48	20
5/3/2012		21
5/4/2012	55	
11/11/2012	50 (V)	28 (V)
5/9/2013		26
5/10/2013	120	
11/6/2013		26
11/7/2013	44	
5/21/2014	37	23
11/12/2014		38
11/13/2014	85	
5/23/2015	54	21
11/11/2015	59	
11/12/2015		20
4/13/2016		16.4 (D)
4/19/2016	41.5	
6/22/2016		23.8
8/15/2016		20
10/6/2016		21
10/10/2016	34	
12/1/2016	37	25
2/8/2017		17
2/9/2017	43	
4/6/2017		19
4/7/2017	19	
6/21/2017	17	26
8/15/2017	21	
9/1/2017	20	
10/5/2017		22
10/9/2017	19	
3/21/2018		<21 (X)
3/22/2018	19	
10/2/2018		23
10/4/2018	12	
3/27/2019	25	18
9/11/2019	22	28
3/18/2020	43	13
9/9/2020	53	25

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<2.5						
5/9/2010	<2.5	<2.5					<2.5	<2.5	<2.5
5/10/2010					<2.5	<2.5			
5/11/2010				<2.5					
6/16/2010		<2.5	<2.5		<2.5	<2.5			
6/17/2010				<2.5					
6/18/2010	<2.5						<2.5	<2.5	<2.5
7/26/2010			<2.5						
7/27/2010		<2.5		<2.5		<2.5	<2.5		
7/28/2010	<2.5				<2.5				<2.5
7/29/2010								<2.5	
9/7/2010		<2.5	<2.5						
9/8/2010					<2.5	<2.5	<2.5		
9/9/2010	<2.5			<2.5				<2.5	<2.5
4/26/2011								<2.5	
4/28/2011				<2.5					
4/29/2011		<2.5	<2.5		<2.5	<2.5	<2.5		
4/30/2011	<2.5								<2.5
10/27/2011					<2.5	<2.5			
10/28/2011	<2.5	<2.5	<2.5				<2.5	<2.5	<2.5
10/29/2011				<2.5					
5/2/2012	<2.5	<2.5	<2.5						
5/3/2012				<2.5			<2.5		<2.5
5/4/2012					<2.5	<2.5		<2.5	
11/9/2012	<2.5	<2.5	2.1	<2.5					
11/10/2012						<2.5	<2.5		<2.5
11/11/2012					<2.5			<2.5	
5/8/2013	<2.5	<2.5	<2.5					<2.5	<2.5
5/9/2013				<2.5	<2.5	<2.5	<2.5		
11/5/2013	<2.5			<2.5	<2.5				<2.5
11/6/2013		<2.5	<2.5			<2.5	<2.5		
11/7/2013								<2.5	
5/20/2014	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	<2.5
5/21/2014					<2.5				
5/23/2014				<2.5					
11/8/2014		<2.5	<2.5						
11/12/2014	<2.5				<2.5	<2.5	<2.5	<2.5	<2.5
11/13/2014				<2.5					
5/22/2015	<2.5	<2.5	<2.5						
5/23/2015				<2.5	<2.5		<2.5		
5/24/2015						<2.5		<2.5	<2.5
11/9/2015		<2.5	<2.5						
11/11/2015	<2.5			<2.5					<2.5
11/12/2015					<2.5	<2.5	<2.5	<2.5	
4/6/2016	<2.5	<2.5	<2.5						
4/12/2016				<2.5					
4/13/2016					<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)
6/15/2016	<2.5	<2.5	<2.5						
6/16/2016				<2.5					
6/21/2016					<2.5	<2.5	<2.5	<2.5	<2.5
8/10/2016	<2.5	<2.5	<2.5						
8/11/2016				<2.5					

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<2.5	<2.5	<2.5	<2.5	<2.5
10/4/2016	<2.5	<2.5		<2.5					<2.5
10/5/2016			<2.5		<2.5	<2.5	<2.5		
10/7/2016								<2.5	
11/29/2016		<2.5	<2.5						
11/30/2016	<2.5			<2.5					
12/1/2016					<2.5	<2.5	<2.5	<2.5	<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5					<2.5
2/8/2017					<2.5	<2.5	<2.5		
2/9/2017								<2.5	
4/4/2017	<2.5	<2.5	<2.5						
4/5/2017				<2.5			<2.5		
4/6/2017					<2.5	<2.5		<2.5	<2.5
6/20/2017	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5		<2.5
6/21/2017					<2.5				
6/22/2017								<2.5	
10/4/2017	<2.5			<2.5					
10/5/2017		<2.5	<2.5		<2.5	<2.5	<2.5		<2.5
10/6/2017								<2.5	
3/20/2018	<2.5 (D)	<2.5	<2.5	<2.5					<2.5
3/21/2018					<2.5	<2.5	<2.5 (D)		
3/22/2018								<2.5	
10/2/2018	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5
10/3/2018								<2.5	
3/26/2019	<2.5	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
3/27/2019					<2.5	<2.5			
9/10/2019	<2.5	<2.5	<2.5	<2.5					
9/11/2019					<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
9/9/2020	<2.5	<2.5	<2.5	<2.5	<2.5				<2.5
9/10/2020						<2.5	<2.5	<2.5	



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5								<2.5
5/11/2010		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
6/16/2010	<2.5	<2.5							
6/17/2010				<2.5	<2.5	<2.5			
6/18/2010							<2.5	<2.5	<2.5
6/19/2010			<2.5						
7/26/2010	<2.5								
7/27/2010		<2.5	<2.5	<2.5			<2.5	<2.5	
7/28/2010					<2.5	<2.5			<2.5
9/7/2010	<2.5	<2.5		<2.5	<2.5				
9/8/2010						<2.5			
9/9/2010			<2.5				<2.5	<2.5	<2.5
4/28/2011			<2.5			<2.5			
4/29/2011	<2.5	<2.5		<2.5	<2.5		<2.5		
4/30/2011								<2.5	<2.5
10/28/2011	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5		
10/29/2011						<2.5		<2.5	<2.5
5/2/2012	<2.5	<2.5							
5/3/2012			<2.5	<2.5	<2.5	<2.5			
5/4/2012							<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5	<2.5		<2.5				
11/10/2012				<2.5		<2.5	<2.5	<2.5	<2.5
5/8/2013	<2.5								
5/9/2013		<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
5/10/2013					<2.5	<2.5			
11/5/2013			<2.5						
11/6/2013	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5		
11/7/2013								<2.5	<2.5
5/21/2014								<2.5	<2.5
5/22/2014		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		
5/23/2014	<2.5								
11/8/2014	<2.5	<2.5							
11/9/2014				<2.5	<2.5	<2.5	<2.5	<2.5	
11/12/2014									<2.5
11/13/2014			<2.5						
5/22/2015	<2.5				<2.5	<2.5			
5/23/2015		<2.5							
5/24/2015			<2.5	<2.5			<2.5	<2.5	<2.5
11/10/2015	<2.5	<2.5		<2.5	<2.5				
11/11/2015			<2.5			<2.5	<2.5	<2.5	<2.5
4/11/2016	<2.5	<2.5							
4/12/2016			<2.5	<2.5	<2.5 (D)	<2.5		<2.5	
4/13/2016									<2.5 (D)
4/19/2016							<2.5		
6/16/2016	<2.5	<2.5	<2.5	<2.5					
6/20/2016					<2.5	<2.5		<2.5	<2.5
6/22/2016							<2.5		
8/11/2016	<2.5	<2.5	<2.5	<2.5					
8/12/2016					<2.5	<2.5		<2.5	
8/15/2016									<2.5
8/16/2016							<2.5		
10/4/2016			<2.5						

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5	<2.5		<2.5	<2.5				
10/6/2016						<2.5	<2.5	<2.5	<2.5
11/29/2016	<2.5	<2.5							
11/30/2016			<2.5	<2.5	<2.5	<2.5		<2.5	
12/1/2016							<2.5		<2.5
2/7/2017			<2.5						
2/8/2017	<2.5	<2.5		<2.5	<2.5	<2.5			
2/9/2017							<2.5	<2.5	<2.5
4/5/2017		<2.5							
4/6/2017	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
4/7/2017									<2.5
6/20/2017			<2.5						
6/21/2017	<2.5	<2.5		<2.5	<2.5		<2.5	<2.5	
6/22/2017						<2.5			<2.5
10/4/2017			<2.5						
10/5/2017	<2.5	<2.5		<2.5	<2.5		<2.5		
10/6/2017						<2.5		<2.5	<2.5
3/20/2018	<2.5	<2.5	<2.5						
3/21/2018				<2.5	<2.5	<2.5		<2.5	
3/22/2018							<2.5		<2.5
10/2/2018	<2.5	<2.5	<2.5						
10/3/2018				<2.5	<2.5	<2.5	<2.5	<2.5	
10/4/2018									<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5	
3/27/2019							<2.5		<2.5
9/10/2019			<2.5		<2.5	<2.5			
9/11/2019	<2.5						<2.5	<2.5	<2.5
9/12/2019		<2.5		<2.5					
3/18/2020	<2.5		<2.5		<2.5		<2.5	<2.5	
3/19/2020		<2.5		<2.5		<2.5			<2.5
9/9/2020	<2.5	<2.5	<2.5				<2.5		
9/10/2020				<2.5	<2.5	<2.5		<2.5	0.18 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<2.5	<2.5
6/16/2010		<2.5
6/19/2010	<2.5	
7/27/2010		<2.5
7/28/2010	<2.5	
9/8/2010	<2.5	<2.5
4/29/2011		<2.5
4/30/2011	<2.5	
10/27/2011	<2.5	<2.5
5/3/2012		<2.5
5/4/2012	<2.5	
11/11/2012	<2.5	<2.5
5/9/2013		<2.5
5/10/2013	<2.5	
11/6/2013		<2.5
11/7/2013	<2.5	
5/21/2014	<2.5	<2.5
11/12/2014		<2.5
11/13/2014	<2.5	
5/23/2015	<2.5	<2.5
11/11/2015	<2.5	
11/12/2015		<2.5
4/13/2016		<2.5 (D)
4/19/2016	<2.5	
6/22/2016		<2.5
8/15/2016		<2.5
10/6/2016		<2.5
10/10/2016	<2.5	
12/1/2016	<2.5	<2.5
2/8/2017		<2.5
2/9/2017	<2.5	
4/6/2017		<2.5
4/7/2017	<2.5	
6/21/2017	<2.5	<2.5
8/15/2017	<2.5	
9/1/2017	<2.5	
10/5/2017		<2.5
10/9/2017	<2.5	
3/21/2018		<2.5
3/22/2018	<2.5	
10/2/2018		<2.5
10/4/2018	<2.5	
3/27/2019	<2.5	<2.5
9/11/2019	<2.5	<2.5
3/18/2020	<2.5	<2.5
9/9/2020	<2.5	<2.5

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Boron, total (mg/L) Analysis Run 11/19/2020 5:02 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	<0.08	<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	

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Boron, total (mg/L) Analysis Run 11/19/2020 5:02 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	<0.08	<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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Boron, total (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<2.5						
5/9/2010	<2.5	<2.5					<2.5	<2.5	<2.5
5/10/2010					<2.5	<2.5			
5/11/2010				<2.5					
6/16/2010		<2.5	<2.5		<2.5	<2.5			
6/17/2010				<2.5					
6/18/2010	<2.5						<2.5	<2.5	<2.5
7/26/2010			<2.5						
7/27/2010		<2.5		<2.5		<2.5	<2.5		
7/28/2010	<2.5				<2.5				<2.5
7/29/2010								<2.5	
9/7/2010		<2.5	<2.5						
9/8/2010					<2.5	<2.5	<2.5		
9/9/2010	<2.5			<2.5				<2.5	<2.5
4/26/2011								<2.5	
4/28/2011				<2.5					
4/29/2011		<2.5	<2.5		<2.5	<2.5	<2.5		
4/30/2011	<2.5								<2.5
10/27/2011					<2.5	<2.5			
10/28/2011	<2.5	<2.5	<2.5				<2.5	<2.5	<2.5
10/29/2011				<2.5					
5/2/2012	<2.5	<2.5	<2.5						
5/3/2012				<2.5			<2.5		<2.5
5/4/2012					<2.5	<2.5		<2.5	
11/9/2012	<2.5	<2.5	<2.5	<2.5					
11/10/2012						<2.5	<2.5		<2.5
11/11/2012					<2.5			<2.5	
5/8/2013	<2.5	<2.5	<2.5					<2.5	<2.5
5/9/2013				<2.5	<2.5	<2.5	<2.5		
11/5/2013	<2.5			<2.5	<2.5				<2.5
11/6/2013		<2.5	<2.5			<2.5	<2.5		
11/7/2013								<2.5	
5/20/2014	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	<2.5
5/21/2014					<2.5				
5/23/2014				<2.5					
11/8/2014		<2.5	<2.5						
11/12/2014	<2.5				<2.5	<2.5	<2.5	<2.5	<2.5
11/13/2014				<2.5					
5/22/2015	<2.5	<2.5	<2.5						
5/23/2015				<2.5	<2.5		<2.5		
5/24/2015						<2.5		<2.5	<2.5
11/9/2015		<2.5	<2.5						
11/11/2015	<2.5			<2.5					<2.5
11/12/2015					<2.5	<2.5	<2.5	<2.5	
4/6/2016	<2.5	<2.5	<2.5						
4/12/2016				<2.5					
4/13/2016					<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)
6/15/2016	<2.5	<2.5	<2.5						
6/16/2016				<2.5					
6/21/2016					<2.5	<2.5	<2.5	<2.5	<2.5
8/10/2016	<2.5	<2.5	<2.5						
8/11/2016				<2.5					

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<2.5	<2.5	<2.5	<2.5	<2.5
10/4/2016	<2.5	<2.5		<2.5					<2.5
10/5/2016			<2.5		<2.5	<2.5	<2.5		
10/7/2016								<2.5	
11/29/2016		<2.5	<2.5						
11/30/2016	<2.5			<2.5					
12/1/2016					<2.5	<2.5	<2.5	<2.5	<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5					<2.5
2/8/2017					<2.5	<2.5	<2.5		
2/9/2017								<2.5	
4/4/2017	<2.5	<2.5	<2.5						
4/5/2017				<2.5			<2.5		
4/6/2017					<2.5	<2.5		<2.5	<2.5
6/20/2017	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5		<2.5
6/21/2017					<2.5				
6/22/2017								<2.5	
10/4/2017	<2.5			<2.5					
10/5/2017		<2.5	<2.5		<2.5	<2.5	<2.5		<2.5
10/6/2017								<2.5	
3/20/2018	<2.5 (D)	<2.5	<2.5	<2.5					<2.5
3/21/2018					<2.5	<2.5	<2.5 (D)		
3/22/2018								<2.5	
10/2/2018	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5
10/3/2018								<2.5	
3/26/2019	<2.5	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
3/27/2019					<2.5	<2.5			
9/10/2019	<2.5	<2.5	0.13 (J)	<2.5					
9/11/2019					<2.5	<2.5	<2.5	<2.5	<2.5
3/18/2020	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
9/9/2020	<2.5	<2.5	<2.5	<2.5	<2.5				<2.5
9/10/2020						1 (J)	<2.5	<2.5	



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5								<2.5
5/11/2010		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
6/16/2010	<2.5	<2.5							
6/17/2010				<2.5	<2.5	<2.5			
6/18/2010							<2.5	<2.5	<2.5
6/19/2010			<2.5						
7/26/2010	<2.5								
7/27/2010		<2.5	<2.5	<2.5			<2.5	<2.5	
7/28/2010					<2.5	<2.5			<2.5
9/7/2010	<2.5	<2.5		<2.5	<2.5				
9/8/2010						<2.5			
9/9/2010			<2.5				<2.5	<2.5	<2.5
4/28/2011			<2.5			<2.5			
4/29/2011	<2.5	<2.5		<2.5	<2.5		<2.5		
4/30/2011								<2.5	<2.5
10/28/2011	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5		
10/29/2011						<2.5		<2.5	<2.5
5/2/2012	<2.5	<2.5							
5/3/2012			<2.5	<2.5	<2.5	<2.5			
5/4/2012							<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5	<2.5		<2.5				
11/10/2012				<2.5		<2.5	<2.5	<2.5	<2.5
5/8/2013	<2.5								
5/9/2013		<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
5/10/2013					<2.5	<2.5			
11/5/2013			<2.5						
11/6/2013	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5		
11/7/2013								<2.5	<2.5
5/21/2014								<2.5	<2.5
5/22/2014		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		
5/23/2014	<2.5								
11/8/2014	<2.5	<2.5							
11/9/2014				<2.5	<2.5	<2.5	<2.5	<2.5	
11/12/2014									<2.5
11/13/2014			<2.5						
5/22/2015	<2.5				<2.5	<2.5			
5/23/2015		<2.5							
5/24/2015			<2.5	<2.5			<2.5	<2.5	<2.5
11/10/2015	<2.5	<2.5		<2.5	<2.5				
11/11/2015			<2.5			<2.5	<2.5	<2.5	<2.5
4/11/2016	<2.5	<2.5							
4/12/2016			<2.5	<2.5	<2.5 (D)	<2.5		<2.5	
4/13/2016									<2.5 (D)
4/19/2016							<2.5		
6/16/2016	<2.5	<2.5	<2.5	<2.5					
6/20/2016					<2.5	<2.5		<2.5	<2.5
6/22/2016							<2.5		
8/11/2016	<2.5	<2.5	<2.5	<2.5					
8/12/2016					<2.5	<2.5		<2.5	
8/15/2016									<2.5
8/16/2016							<2.5		
10/4/2016			<2.5						

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5	<2.5		<2.5	<2.5				
10/6/2016						<2.5	<2.5	<2.5	<2.5
11/29/2016	<2.5	<2.5							
11/30/2016			<2.5	<2.5	<2.5	<2.5		<2.5	
12/1/2016							<2.5		<2.5
2/7/2017			<2.5						
2/8/2017	<2.5	<2.5		<2.5	<2.5	<2.5			
2/9/2017							<2.5	<2.5	<2.5
4/5/2017		<2.5							
4/6/2017	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
4/7/2017									<2.5
6/20/2017			<2.5						
6/21/2017	<2.5	<2.5		<2.5	<2.5		<2.5	<2.5	
6/22/2017						<2.5			<2.5
10/4/2017			<2.5						
10/5/2017	<2.5	<2.5		<2.5	<2.5		<2.5		
10/6/2017						<2.5		<2.5	<2.5
3/20/2018	<2.5	<2.5	<2.5						
3/21/2018				<2.5	<2.5	<2.5		<2.5	
3/22/2018							<2.5		<2.5
10/2/2018	<2.5	<2.5	<2.5						
10/3/2018				<2.5	<2.5	<2.5	<2.5	<2.5	
10/4/2018									<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5	
3/27/2019							<2.5		<2.5
9/10/2019			<2.5		<2.5	<2.5			
9/11/2019	<2.5						<2.5	<2.5	<2.5
9/12/2019		<2.5		<2.5					
3/18/2020	<2.5		<2.5		<2.5		<2.5	<2.5	
3/19/2020		<2.5		<2.5		<2.5			<2.5
9/9/2020	<2.5	<2.5	<2.5				<2.5		
9/10/2020				<2.5	<2.5	<2.5		<2.5	<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<2.5	<2.5
6/16/2010		<2.5
6/19/2010	<2.5	
7/27/2010		<2.5
7/28/2010	<2.5	
9/8/2010	1	<2.5
4/29/2011		<2.5
4/30/2011	1.4	
10/27/2011	1.1	<2.5
5/3/2012		<2.5
5/4/2012	<2.5	
11/11/2012	<2.5	<2.5
5/9/2013		<2.5
5/10/2013	1.6	
11/6/2013		<2.5
11/7/2013	1	
5/21/2014	<2.5	<2.5
11/12/2014		<2.5
11/13/2014	<2.5	
5/23/2015	<2.5	<2.5
11/11/2015	<2.5	
11/12/2015		<2.5
4/13/2016		<2.5 (D)
4/19/2016	0.379 (J)	
6/22/2016		<2.5
8/15/2016		<2.5
10/6/2016		<2.5
10/10/2016	<2.5	
12/1/2016	<2.5	<2.5
2/8/2017		<2.5
2/9/2017	0.37 (J)	
4/6/2017		<2.5
4/7/2017	<2.5	
6/21/2017	<2.5	<2.5
8/15/2017	<2.5	
9/1/2017	<2.5	
10/5/2017		<2.5
10/9/2017	<2.5	
3/21/2018		<2.5
3/22/2018	<2.5	
10/2/2018		<2.5
10/4/2018	<2.5	
3/27/2019	<2.5	<2.5
9/11/2019	<2.5	<2.5
3/18/2020	<2.5	<2.5
9/9/2020	<2.5	<2.5

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Calcium, total (mg/L) Analysis Run 11/19/2020 5:02 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	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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Calcium, total (mg/L) Analysis Run 11/19/2020 5:02 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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Calcium, total (mg/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chloride, Total (mg/L) Analysis Run 11/19/2020 5:02 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	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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chloride, Total (mg/L) Analysis Run 11/19/2020 5:02 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	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		
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chloride, Total (mg/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chromium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			3.2 (J)						
5/9/2010	<2	3 (J)					<2	5.1	<2
5/10/2010					11	11			
5/11/2010				7.7					
6/16/2010		4.2 (J)	3.7 (J)		9.5	12			
6/17/2010				5.3					
6/18/2010	<2						<2	4.3 (J)	<2
7/26/2010			5.8						
7/27/2010		4.8 (J)		8.5		12	2 (J)		
7/28/2010	<2				10				<2
7/29/2010								5.8	
9/7/2010		3.7 (J)	7.8						
9/8/2010					11	11	<2		
9/9/2010	<2			7.6				5.2	<2
4/26/2011								2.5 (J)	
4/28/2011				4.8 (J)					
4/29/2011		4.6 (J)	5		9.6	10	<2		
4/30/2011	<2								<2
10/27/2011					11	7.7			
10/28/2011	<2	5	6.8				<2	3.5 (J)	<2
10/29/2011				9.3					
5/2/2012	<2	5.2	6.5						
5/3/2012				10			<2		<2
5/4/2012					10	8.2		7.3	
11/9/2012	<2	5.4	6	9					
11/10/2012						7	<2		<2
11/11/2012					10			4 (J)	
5/8/2013	<2	5.8	7.4					6	<2
5/9/2013				8.5	11	7.9	<2		
11/5/2013	3.6			15	15				3.6
11/6/2013		6.2 (J)	8.2 (J)			11	3.1 (J)		
11/7/2013								6.8 (J)	
5/20/2014	<2	4.7 (J)	5.1 (J)			7.6 (J)	2 (J)	3.9 (J)	<2
5/21/2014					13				
5/23/2014				12					
11/8/2014		6.4 (J)	7.4 (J)						
11/12/2014	<2				12	7.1 (J)	<2	3.9 (J)	<2
11/13/2014				11					
5/22/2015	<2	5.9 (J)	8.4 (J)						
5/23/2015				12	14		2.7 (J)		
5/24/2015						8.3 (J)		4 (J)	<2
11/9/2015		4.3 (J)	9 (J)						
11/11/2015	<2			14					<2
11/12/2015					16	6.9 (J)	2.2 (J)	7.7 (J)	
4/6/2016	<2	4.57 (J)	7.79 (J)						
4/12/2016				13.5					
4/13/2016					15.2 (D)	8.04 (JD)	<2 (D)	3.8 (JD)	<2 (D)
6/15/2016	<2	<2	<2						
6/16/2016				14					
6/21/2016					16	8.6 (J)	1.2 (J)	3.5 (J)	0.6 (J)
8/10/2016	<2	4.2	6.8						
8/11/2016				13					

Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					15	7.3	2.1 (J)	3.4	<2
10/4/2016	<2	5.2		14					<2
10/5/2016			7.6		16	7.7	1.3 (J)		
10/7/2016								3.7	
11/29/2016		4	4.5						
11/30/2016	<2			13					
12/1/2016					15	7.5	1.5 (J)	3.7	<2
2/7/2017	<2	4	6.7	13					<2
2/8/2017					17	7.8	1.6 (J)		
2/9/2017								3.8	
4/4/2017	<2	2.1 (J)	7.9						
4/5/2017				14			1.4 (J)		
4/6/2017					18	7.9		3.9	<2
6/20/2017	<2	4.6	8.4	13		7.8	1.5 (J)		<2
6/21/2017					17				
6/22/2017								4.2	
10/4/2017	<2			15					
10/5/2017		5	6.1		18	8.1	1.5 (J)		<2
10/6/2017								3.9	
3/20/2018	<2 (D)	4.4	6	13					<2
3/21/2018					17 (J+X)	<2 (X)	<2 (XD)		
3/22/2018								28 (O)	
10/2/2018	<2	4.3	6.1	14	18	7.5	1.2 (J)		<2
10/3/2018								5.6	
3/26/2019	<2	4.6	6.5	13			1.3 (J)	4.8	<2
3/27/2019					17	7			
9/10/2019	2.3 (J)	7.6	12	18					
9/11/2019					23	11	3.6	7.5	3.8
3/18/2020	<2	4.4	8.3	14	20	8.6	1.6 (J)	8	<2
9/9/2020	<2	5	8.8	14	18				<2
9/10/2020						9	<2	5.4	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chromium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	12								7
5/11/2010		3.9 (J)	5.1	6.3	10	4.6 (J)	4 (J)	<2	
6/16/2010	14	4.9 (J)							
6/17/2010				5.3	8.7	7			
6/18/2010							5.6	6.3	11
6/19/2010			<2						
7/26/2010	13								
7/27/2010		4.7 (J)	10	6.4			5.1	4 (J)	
7/28/2010					28 (O)	8.4			9.2
9/7/2010	15	5.7		7.8	22				
9/8/2010						7.1			
9/9/2010			7.2				3.7 (J)	5.3	10
4/28/2011			7.7			8			
4/29/2011	14	8.7		6.5	9.9		3.6 (J)		
4/30/2011								3.5 (J)	12
10/28/2011	14	7.5	11	9.2	8.9		2.6 (J)		
10/29/2011						5.4		4.8 (J)	12
5/2/2012	17	11							
5/3/2012			11	11	9.1	6.5			
5/4/2012							3.1 (J)	6.4	13
11/9/2012	14	7.6	8.9		8				
11/10/2012				7.3		5.9	<2	8.4	9.7
5/8/2013	17								
5/9/2013		8.8	8.9	9.8			3.3 (J)	4.1 (J)	13
5/10/2013					19	8.3			
11/5/2013			11						
11/6/2013	17	11		11	13	9.9 (J)	4.5 (J)		
11/7/2013								7.7 (J)	13
5/21/2014								4.4 (J)	9.1 (J)
5/22/2014		5.7 (J)	10	9.7 (J)	9.3 (J)	4.9 (J)	3.5 (J)		
5/23/2014	13								
11/8/2014	18	13							
11/9/2014				12	9.8 (J)	6.8 (J)	6.2 (J)	7.1 (J)	
11/12/2014									9.7 (J)
11/13/2014			8.4 (J)						
5/22/2015	20				10	8.7 (J)			
5/23/2015		14							
5/24/2015			9.5 (J)	16			12	10	18
11/10/2015	13	9.1 (J)		8.8 (J)	11				
11/11/2015			11			8.4 (J)	6.8 (J)	5.3 (J)	8.6 (J)
4/11/2016	13.9	7.67 (J)							
4/12/2016			12.2	9.65 (J)	9.25 (JD)	4.19 (J)		4.93 (J)	
4/13/2016									9.24 (JD)
4/19/2016							3.68 (J)		
6/16/2016	14	<2	<2	<2					
6/20/2016					7.6 (J)	4.3 (J)		4.3 (J)	8.4 (J)
6/22/2016							3.1 (J)		
8/11/2016	16	8.5	10	8.3					
8/12/2016					7.9	3.7		3.7	
8/15/2016									8.3
8/16/2016							2.8		
10/4/2016			11						

Time Series

Constituent: Chromium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	14	10		9.4	8.5				
10/6/2016						6.2	3	4	8.1
11/29/2016	13	8.7							
11/30/2016			9.8	8.4	8.6	4.3		3.5	
12/1/2016							2.2 (J)		8.3
2/7/2017			9.6						
2/8/2017	13	9.3		9.1	11	5.2			
2/9/2017							3.5	4.1	8.7
4/5/2017		9.8							
4/6/2017	14		10	11	9.8	5	3.2	3.8	
4/7/2017									9
6/20/2017			10						
6/21/2017	13	9.4		8.1	11		3.1	4	
6/22/2017						5.2			9.2
10/4/2017			11						
10/5/2017	14	9.6		8.3	10		2.9		
10/6/2017						4.9		3.8	9.5
3/20/2018	14	9.7	9.9						
3/21/2018				<2 (X)	<2 (X)	<2 (X)		<2 (X)	
3/22/2018							8.6 (J+X)		8.6 (J+X)
10/2/2018	14	9.7	10						
10/3/2018				9.1	8.1	3.9	3	4.2	
10/4/2018									8.3
3/26/2019	14	9.1	9.6	9.2	7.5	8.4		4.4	
3/27/2019							3.9		8.8
9/10/2019			14		9.2	6.7			
9/11/2019	17						7.9	7.8	13
9/12/2019		12		11					
3/18/2020	14		11		4.9		5.2	4.6	
3/19/2020		12		9.4		4.5			11
9/9/2020	13	11	10				4.8		
9/10/2020				9	6.1	5.5		4.9	9.8

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chromium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<2	9.7
6/16/2010		7.4
6/19/2010	<2	
7/27/2010		6.8
7/28/2010	3.4 (J)	
9/8/2010	14	7
4/29/2011		6.2
4/30/2011	22	
10/27/2011	6.4	8.4
5/3/2012		9.9
5/4/2012	5.9	
11/11/2012	11	7.3
5/9/2013		8.5
5/10/2013	38 (O)	
11/6/2013		13
11/7/2013	12	
5/21/2014	4.8 (J)	9.7 (J)
11/12/2014		7.2 (J)
11/13/2014	23	
5/23/2015	15	9.5 (J)
11/11/2015	16	
11/12/2015		4.6 (J)
4/13/2016		6.27 (JD)
4/19/2016	8.6 (J)	
6/22/2016		7.9 (J)
8/15/2016		7.5
10/6/2016		7.1
10/10/2016	5.2	
12/1/2016	6.2	7
2/8/2017		4.7
2/9/2017	9.1	
4/6/2017		6
4/7/2017	<2	
6/21/2017	<2	7.1
8/15/2017	<2	
9/1/2017	<2	
10/5/2017		8
10/9/2017	<2	
3/21/2018		<2 (X)
3/22/2018	7.9 (J+X)	
10/2/2018		8.1
10/4/2018	<2	
3/27/2019	<2	6.4
9/11/2019	5.2	12
3/18/2020	<2	6.6
9/9/2020	<2	8.1

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<2.5						
5/9/2010	<2.5	<2.5					<2.5	<2.5	<2.5
5/10/2010					<2.5	<2.5			
5/11/2010				<2.5					
6/16/2010		<2.5	<2.5		<2.5	<2.5			
6/17/2010				<2.5					
6/18/2010	<2.5						<2.5	<2.5	<2.5
7/26/2010			<2.5						
7/27/2010		<2.5		<2.5		<2.5	<2.5		
7/28/2010	<2.5				<2.5				<2.5
7/29/2010								<2.5	
9/7/2010		<2.5	<2.5						
9/8/2010					<2.5	<2.5	<2.5		
9/9/2010	<2.5			<2.5				<2.5	<2.5
4/26/2011								<2.5	
4/28/2011				<2.5					
4/29/2011		3 (O)	<2.5		<2.5	<2.5	<2.5		
4/30/2011	<2.5								<2.5
10/27/2011					<2.5	<2.5			
10/28/2011	<2.5	<2.5	<2.5				<2.5	<2.5	<2.5
10/29/2011				<2.5					
5/2/2012	<2.5	<2.5	<2.5						
5/3/2012				<2.5			<2.5		<2.5
5/4/2012					<2.5	<2.5		<2.5	
11/9/2012	<2.5	<2.5	<2.5	<2.5					
11/10/2012						<2.5	<2.5		<2.5
11/11/2012					<2.5			<2.5	
5/8/2013	<2.5	<2.5	<2.5					<2.5	<2.5
5/9/2013				<2.5	<2.5	<2.5	<2.5		
11/5/2013	<2.5			<2.5	<2.5				<2.5
11/6/2013		<2.5	<2.5			<2.5	<2.5		
11/7/2013								<2.5	
5/20/2014	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5	<2.5
5/21/2014					<2.5				
5/23/2014				<2.5					
11/8/2014		<2.5	<2.5						
11/12/2014	<2.5				<2.5	<2.5	<2.5	<2.5	<2.5
11/13/2014				<2.5					
5/22/2015	<2.5	<2.5	<2.5						
5/23/2015				<2.5	<2.5		<2.5		
5/24/2015						<2.5		<2.5	<2.5
11/9/2015		<2.5	<2.5						
11/11/2015	<2.5			<2.5					<2.5
11/12/2015					<2.5	<2.5	<2.5	<2.5	
4/6/2016	2.61 (O)	<2.5	<2.5						
4/12/2016				<2.5					
4/13/2016					<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)	<2.5 (D)
6/15/2016	0.92 (J)	0.022 (J)	0.084 (J)						
6/16/2016				<2.5					
6/21/2016					<2.5	<2.5	0.4 (J)	<2.5	<2.5
8/10/2016	0.76 (J)	<2.5	<2.5						
8/11/2016				<2.5					

Time Series

Constituent: Cobalt, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<2.5	<2.5	0.42 (J)	<2.5	<2.5
10/4/2016	0.81 (J)	<2.5		<2.5					<2.5
10/5/2016			<2.5		<2.5	<2.5	0.49 (J)		
10/7/2016								<2.5	
11/29/2016		<2.5	<2.5						
11/30/2016	0.61 (J)			<2.5					
12/1/2016					<2.5	<2.5	<2.5	<2.5	<2.5
2/7/2017	<2.5	<2.5	<2.5	<2.5					<2.5
2/8/2017					<2.5	<2.5	<2.5		
2/9/2017								<2.5	
4/4/2017	0.84 (J)	<2.5	<2.5						
4/5/2017				<2.5			<2.5		
4/6/2017					<2.5	<2.5		<2.5	<2.5
6/20/2017	1.2 (J)	<2.5	<2.5	<2.5		<2.5	0.4 (J)		<2.5
6/21/2017					<2.5				
6/22/2017								<2.5	
10/4/2017	0.87 (J)			<2.5					
10/5/2017		<2.5	<2.5		<2.5	<2.5	0.41 (J)		<2.5
10/6/2017								<2.5	
3/20/2018	1.8 (JD)	<2.5	<2.5	<2.5					<2.5
3/21/2018					<2.5	<2.5	<2.5		
3/22/2018								<2.5	
10/2/2018	1.1 (J)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5
10/3/2018								<2.5	
3/26/2019	1.9 (J)	<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
3/27/2019					<2.5	<2.5			
9/10/2019	1.2 (J)	0.31 (J)	0.52 (J)	<2.5					
9/11/2019					<2.5	<2.5	0.42 (J)	<2.5	<2.5
3/18/2020	1.7 (J)	0.34 (J)	<2.5	0.17 (J)	<2.5	<2.5	0.13 (J)	<2.5	<2.5
9/9/2020	1.6 (J)	<2.5	0.19 (J)	<2.5	<2.5				<2.5
9/10/2020						0.33 (J)	0.57 (J)	<2.5	



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5								<2.5
5/11/2010		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
6/16/2010	<2.5	<2.5							
6/17/2010				<2.5	<2.5	<2.5			
6/18/2010							<2.5	<2.5	<2.5
6/19/2010			<2.5						
7/26/2010	<2.5								
7/27/2010		<2.5	<2.5	<2.5			<2.5	<2.5	
7/28/2010					3.4 (O)	<2.5			<2.5
9/7/2010	<2.5	<2.5		<2.5	<2.5				
9/8/2010						<2.5			
9/9/2010			<2.5				<2.5	<2.5	<2.5
4/28/2011			<2.5			<2.5			
4/29/2011	<2.5	<2.5		<2.5	3.7 (O)		<2.5		
4/30/2011								<2.5	<2.5
10/28/2011	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5		
10/29/2011						<2.5		<2.5	<2.5
5/2/2012	<2.5	<2.5							
5/3/2012			<2.5	<2.5	<2.5	<2.5			
5/4/2012							<2.5	<2.5	<2.5
11/9/2012	<2.5	<2.5	<2.5		<2.5				
11/10/2012				<2.5		<2.5	<2.5	<2.5	<2.5
5/8/2013	<2.5								
5/9/2013		<2.5	<2.5	<2.5			<2.5	<2.5	<2.5
5/10/2013					<2.5	<2.5			
11/5/2013			<2.5						
11/6/2013	<2.5	<2.5		<2.5	<2.5	<2.5	<2.5		
11/7/2013								<2.5	<2.5
5/21/2014								<2.5	<2.5
5/22/2014		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		
5/23/2014	<2.5								
11/8/2014	<2.5	<2.5							
11/9/2014				<2.5	<2.5	<2.5	<2.5	<2.5	
11/12/2014									<2.5
11/13/2014			<2.5						
5/22/2015	3.2 (O)				<2.5	<2.5			
5/23/2015		<2.5							
5/24/2015			<2.5	<2.5			<2.5	<2.5	<2.5
11/10/2015	<2.5	<2.5		<2.5	<2.5				
11/11/2015			<2.5			<2.5	<2.5	<2.5	<2.5
4/11/2016	<2.5	<2.5							
4/12/2016			<2.5	<2.5	<2.5 (D)	<2.5		<2.5	
4/13/2016									<2.5 (D)
4/19/2016							<2.5		
6/16/2016	<2.5	<2.5	<2.5	0.12 (J)					
6/20/2016					0.1 (J)	0.16 (J)		0.03 (J)	0.086 (J)
6/22/2016							<2.5		
8/11/2016	<2.5	<2.5	<2.5	<2.5					
8/12/2016					0.42 (J)	<2.5		<2.5	
8/15/2016									<2.5
8/16/2016							<2.5		
10/4/2016			<2.5						

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<2.5	<2.5		<2.5	<2.5				
10/6/2016						0.68 (J)	<2.5	<2.5	<2.5
11/29/2016	<2.5	<2.5							
11/30/2016			<2.5	<2.5	<2.5	<2.5		<2.5	
12/1/2016							<2.5		<2.5
2/7/2017			<2.5						
2/8/2017	<2.5	<2.5		<2.5	<2.5	<2.5			
2/9/2017							<2.5	<2.5	<2.5
4/5/2017		<2.5							
4/6/2017	<2.5		<2.5	0.5 (J)	<2.5	<2.5	<2.5	<2.5	
4/7/2017									<2.5
6/20/2017			<2.5						
6/21/2017	<2.5	<2.5		<2.5	0.42 (J)		<2.5	<2.5	
6/22/2017						<2.5			<2.5
10/4/2017			<2.5						
10/5/2017	<2.5	<2.5		<2.5	<2.5		<2.5		
10/6/2017						<2.5		<2.5	<2.5
3/20/2018	<2.5	<2.5	<2.5						
3/21/2018				<2.5	<2.5	<2.5		<2.5	
3/22/2018							<2.5		<2.5
10/2/2018	<2.5	<2.5	<2.5						
10/3/2018				<2.5	<2.5	<2.5	<2.5	<2.5	
10/4/2018									<2.5
3/26/2019	<2.5	<2.5	<2.5	<2.5	<2.5	0.96 (J)		<2.5	
3/27/2019							<2.5		<2.5
9/10/2019			0.15 (J)		0.28 (J)	<2.5			
9/11/2019	0.23 (J)						0.099 (J)	0.087 (J)	0.16 (J)
9/12/2019		0.21 (J)		0.21 (J)					
3/18/2020	0.18 (J)		<2.5		0.14 (J)		<2.5	<2.5	
3/19/2020		0.14 (J)		0.26 (J)		0.21 (J)			0.13 (J)
9/9/2020	0.14 (J)	<2.5	<2.5				<2.5		
9/10/2020				0.18 (J)	0.23 (J)	0.32 (J)		<2.5	0.38 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<2.5	<2.5
6/16/2010		<2.5
6/19/2010	<2.5	
7/27/2010		<2.5
7/28/2010	<2.5	
9/8/2010	<2.5	<2.5
4/29/2011		<2.5
4/30/2011	6.3 (O)	
10/27/2011	<2.5	<2.5
5/3/2012		<2.5
5/4/2012	<2.5	
11/11/2012	<2.5	<2.5
5/9/2013		<2.5
5/10/2013	6.8 (O)	
11/6/2013		<2.5
11/7/2013	<2.5	
5/21/2014	<2.5	<2.5
11/12/2014		<2.5
11/13/2014	4.6 (O)	
5/23/2015	<2.5	<2.5
11/11/2015	<2.5	
11/12/2015		<2.5
4/13/2016		<2.5 (D)
4/19/2016	<2.5	
6/22/2016		<2.5
8/15/2016		<2.5
10/6/2016		<2.5
10/10/2016	<2.5	
12/1/2016	0.68 (J)	<2.5
2/8/2017		<2.5
2/9/2017	0.9 (J)	
4/6/2017		<2.5
4/7/2017	1.1 (J)	
6/21/2017	0.64 (J)	<2.5
8/15/2017	1 (J)	
9/1/2017	0.89 (J)	
10/5/2017		<2.5
10/9/2017	0.85 (J)	
3/21/2018		<2.5
3/22/2018	<2.5	
10/2/2018		<2.5
10/4/2018	0.48 (J)	
3/27/2019	1.2 (J)	<2.5
9/11/2019	0.85 (J)	0.16 (J)
3/18/2020	2.7	<2.5
9/9/2020	4.3	0.23 (J)

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Copper (mg/L) Analysis Run 11/19/2020 5:02 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		

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Copper (mg/L) Analysis Run 11/19/2020 5:02 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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Copper (mg/L) Analysis Run 11/19/2020 5:02 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 11/19/2020 5:02 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

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Constituent: Copper (mg/L) Analysis Run 11/19/2020 5:02 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



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 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Fluoride, total (mg/L) Analysis Run 11/19/2020 5:02 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)	

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Constituent: Fluoride, total (mg/L) Analysis Run 11/19/2020 5:02 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)

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Constituent: Fluoride, total (mg/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
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	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)

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**Time Series**

Constituent: Lead, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<1						
5/9/2010	<1	2.1 (J)					<1	<1	<1
5/10/2010					<1	<1			
5/11/2010				<1					
6/16/2010		2.8 (J)	2.1 (J)		2 (J)	<1			
6/17/2010				2.6 (J)					
6/18/2010	<1						<1	2.1	<1
7/26/2010			<1						
7/27/2010		<1		<1		<1	<1		
7/28/2010	<1				<1				<1
7/29/2010								<1	
9/7/2010		<1	<1						
9/8/2010					<1	<1	<1		
9/9/2010	<1			<1				<1	<1
4/26/2011								<1	
4/28/2011				3.6 (J)					
4/29/2011		3.2 (J)	2.4 (J)		3 (J)	3.2 (J)	<1		
4/30/2011	<1								<1
10/27/2011					2.7 (J)	2.7 (J)			
10/28/2011	<1	2.5 (J)	2 (J)				<1	<1	<1
10/29/2011				3.8 (J)					
5/2/2012	<1	<1	<1						
5/3/2012				<1			<1		<1
5/4/2012					<1	<1		<1	
11/9/2012	<1	2.4 (J)	<1	2.4 (J)					
11/10/2012						2.5 (J)	<1		<1
11/11/2012					2.2 (J)			<1	
5/8/2013	<1	5.1	3.4 (J)					3.6	2.4
5/9/2013				8.5	7	5.1	<1		
11/5/2013	<1			4.2 (J)	4.8 (J)				2.8
11/6/2013		3.3 (J)	2.8 (J)			3.7 (J)	<1		
11/7/2013								<1	
5/20/2014	<1	<1	<1			<1	<1	<1	<1
5/21/2014					<1				
5/23/2014				<1					
11/8/2014		<1	<1						
11/12/2014	<1				2 (J)	<1	<1	<1	<1
11/13/2014				<1					
5/22/2015	<1	3.6 (J)	3.2 (J)						
5/23/2015				4.4 (J)	3.5 (J)		<1		
5/24/2015						3.7 (J)		<1	<1
11/9/2015		3.9 (J)	<1						
11/11/2015	<1			4.2 (J)					<1
11/12/2015					3.2 (J)	3.8 (J)	<1	<1	
4/6/2016	<1	<1	<1						
4/12/2016				<1					
4/13/2016					<1 (D)	<1 (D)	<1 (D)	<1 (D)	<1 (D)
6/15/2016	<1	<1	<1						
6/16/2016				<1					
6/21/2016					<1	<1	<1	<1	<1
8/10/2016	<1	<1	<1						
8/11/2016				<1					

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Constituent: Lead, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<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	<1	<1	<1	<1					<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					<1	<1		<1	<1
6/20/2017	<1	<1	<1	<1		<1	<1		<1
6/21/2017					<1				
6/22/2017								<1	
10/4/2017	<1			0.67 (J)					
10/5/2017		<1	<1		<1	<1	<1		<1
10/6/2017								0.61 (J)	
3/20/2018	<1 (D)	<1	<1	<1					<1
3/21/2018					<1	<1	<1 (D)		
3/22/2018								<1	
10/2/2018	<1	<1	<1	<1	<1	<1	<1		<1
10/3/2018								<1	
3/26/2019	<1	<1	<1	<1			<1	<1	<1
3/27/2019					<1	<1			
9/10/2019	<1	0.16 (J)	0.22 (J)	<1					
9/11/2019					<1	<1	<1	<1	<1
3/18/2020	<1	<1	<1	0.23 (J)	<1	1.7	<1	<1	<1
9/9/2020	<1	<1	<1	<1	<1				<1
9/10/2020						0.14 (J)	<1	<1	

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Constituent: Lead, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1								<1
5/11/2010		<1	<1	2.6 (J)	11	<1	<1	<1	
6/16/2010	2.3 (J)	2.2 (J)							
6/17/2010				2.1 (J)	2.7 (J)	<1			
6/18/2010							2.4	<1	2.7 (J)
6/19/2010			3 (J)						
7/26/2010	<1								
7/27/2010		<1	<1	<1			<1	<1	
7/28/2010					<1	<1			<1
9/7/2010	<1	<1		<1	<1				
9/8/2010						2 (J)			
9/9/2010			<1				<1	<1	2 (J)
4/28/2011			3.7 (J)			4.2 (J)			
4/29/2011	3.3 (J)	2.9 (J)		3.2 (J)	3.8 (J)		2.8		
4/30/2011								3.4 (J)	3.7 (J)
10/28/2011	2.3 (J)	2.1 (J)	3 (J)	2.5 (J)	<1		<1		
10/29/2011						3.6 (J)		4.1 (J)	2.5 (J)
5/2/2012	<1	<1							
5/3/2012			<1	<1	<1	<1			
5/4/2012							<1	<1	<1
11/9/2012	<1	2 (J)	3 (J)		2.9 (J)				
11/10/2012				<1		2.3 (J)	<1	2.3 (J)	3 (J)
5/8/2013	5.2								
5/9/2013		5.6	6.3	5.6			6.1	6.7	6.4
5/10/2013					6.1	6.2			
11/5/2013			4.3 (J)						
11/6/2013	3 (J)	3.5 (J)		3.2 (J)	2.5 (J)	4.3 (J)	3.4		
11/7/2013								4.8 (J)	3.7 (J)
5/21/2014								<1	<1
5/22/2014		<1	<1	<1	<1	<1	<1		
5/23/2014	<1								
11/8/2014	<1	<1							
11/9/2014				<1	<1	<1	<1	<1	
11/12/2014									<1
11/13/2014			2.1 (J)						
5/22/2015	2.3 (J)				3.4 (J)	4.6 (J)			
5/23/2015		4.7 (J)							
5/24/2015			4.3 (J)	4.4 (J)			9.3 (O)	4.5 (J)	5.3 (J)
11/10/2015	2.5 (J)	4.4 (J)		3.8 (J)	2.1 (J)				
11/11/2015			3.2 (J)			2.8 (J)	7.1	4.8 (J)	2.2 (J)
4/11/2016	<1	<1							
4/12/2016			<1	<1	<1 (D)	<1		<1	
4/13/2016									<1 (D)
4/19/2016							<1		
6/16/2016	<1	<1	<1	<1					
6/20/2016					<1	<1		<1	<1
6/22/2016							<1		
8/11/2016	<1	<1	<1	<1					
8/12/2016					<1	<1		<1	
8/15/2016									<1
8/16/2016							<1		
10/4/2016			<1						

Time Series

Constituent: Lead, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1	<1		<1	<1				
10/6/2016						<1	<1	<1	<1
11/29/2016	<1	<1							
11/30/2016			<1	<1	<1	<1		<1	
12/1/2016							<1		<1
2/7/2017			<1						
2/8/2017	<1	<1		<1	<1	<1			
2/9/2017							<1	<1	<1
4/5/2017		0.9 (J)							
4/6/2017	<1		<1	<1	<1	<1	<1	<1	
4/7/2017									<1
6/20/2017			<1						
6/21/2017	<1	<1		<1	<1		<1	<1	
6/22/2017						<1			<1
10/4/2017			<1						
10/5/2017	<1	1.5		<1	<1		<1		
10/6/2017						<1		<1	<1
3/20/2018	<1	<1	<1						
3/21/2018				<1	<1	<1		<1	
3/22/2018							<1		<1
10/2/2018	<1	<1	<1						
10/3/2018				<1	0.37 (J)	<1	<1	<1	
10/4/2018									<1
3/26/2019	<1	<1	<1	<1	<1	<1		<1	
3/27/2019							<1		<1
9/10/2019			<1		<1	<1			
9/11/2019	<1						<1	<1	<1
9/12/2019		<1		<1					
3/18/2020	<1		0.14 (J)		<1		<1	<1	
3/19/2020		<1		<1		0.19 (J)			<1
9/9/2020	<1	<1	<1				<1		
9/10/2020				<1	<1	<1		<1	0.17 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Lead, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<1	<1
6/16/2010		3 (J)
6/19/2010	<1	
7/27/2010		<1
7/28/2010	<1	
9/8/2010	2.3 (J)	<1
4/29/2011		3.9 (J)
4/30/2011	11 (O)	
10/27/2011	5.5	4.3 (J)
5/3/2012		<1
5/4/2012	2.9 (J)	
11/11/2012	5.2	2.5 (J)
5/9/2013		6.7
5/10/2013	23 (O)	
11/6/2013		6.9
11/7/2013	8.3	
5/21/2014	<1	<1
11/12/2014		2 (J)
11/13/2014	8.5	
5/23/2015	7.7	3 (J)
11/11/2015	8	
11/12/2015		4.4 (J)
4/13/2016		<1 (D)
4/19/2016	<1	
6/22/2016		<1
8/15/2016		<1
10/6/2016		<1
10/10/2016	<1	
12/1/2016	0.47 (J)	<1
2/8/2017		<1
2/9/2017	1.2 (J)	
4/6/2017		<1
4/7/2017	<1	
6/21/2017	<1	<1
8/15/2017	<1	
9/1/2017	<1	
10/5/2017		<1
10/9/2017	<1	
3/21/2018		<1
3/22/2018	<1	
10/2/2018		<1
10/4/2018	<1	
3/27/2019	<1	<1
9/11/2019	<1	<1
3/18/2020	<1	<1
9/9/2020	<1	<1



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury (mg/L) Analysis Run 11/19/2020 5:02 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					

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION

## Time Series

Constituent: Mercury (mg/L) Analysis Run 11/19/2020 5:02 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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury (mg/L) Analysis Run 11/19/2020 5:02 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						

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Nickel (mg/L) Analysis Run 11/19/2020 5:02 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 11/19/2020 5:02 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)	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Nickel (mg/L) Analysis Run 11/19/2020 5:02 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 11/19/2020 5:02 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Nickel (mg/L) Analysis Run 11/19/2020 5:02 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)

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: pH, Field (S.U.) Analysis Run 11/19/2020 5:02 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
5/20/2014	5.27	6.18	5.68			6.14	4.86	5.6	5.38
5/21/2014					6.3				
5/23/2014				6.46					
11/8/2014		6.52	6.04						
11/12/2014	5.7				6.49	6.33	5.3	6.02	5.77
11/13/2014				6.67					
5/22/2015	5.52	6.3	5.87						
5/23/2015				6.53	6.3		5.04		
5/24/2015						6.04		5.81	5.53
11/9/2015			5.97						
11/11/2015	5.63	6.36		6.71					5.68
11/12/2015					6.45	6.31	5.31	5.93	
4/6/2016	5.5 (D)	6.46 (D)	5.937 (D)						
4/12/2016				6.53 (D)					
4/13/2016					6.42 (D)	6.17 (D)	5.22 (D)	5.88 (D)	5.58 (D)
6/15/2016	5.52	6.39	5.96						
6/16/2016				6.49					
6/21/2016					6.36	6.19	5.2	5.9	5.59
8/10/2016	5.5	6.39	5.94						
8/11/2016				6.5					
8/15/2016					6.3	6.15	5.12	5.86	5.56
10/4/2016	5.56	6.4		6.5				5.85	5.66
10/5/2016			5.86		6.25	6.1	5.07		
10/7/2016							5.07	5.85	
11/29/2016		6.36	5.82						
11/30/2016	5.46			6.48					
12/1/2016					6.32	6.15	5.08	5.85	5.54
2/7/2017	5.28 (O)	6.45	6.15	6.38					5.42 (O)
2/8/2017					6.04	5.9 (O)	4.76 (O)		
2/9/2017								5.92	
4/1/2017	5.48								
4/4/2017	5.48	6.37	6						
4/5/2017				6.36			5.1		
4/6/2017					6.35	6.13		5.85	5.55
6/20/2017	5.44	6.4	6.34	6.45		6.12	5.13		5.57
6/21/2017					6.2				
6/22/2017								5.9	
10/4/2017	5.44			6.5					
10/5/2017		6.42	5.93		6.21	6.11	5.1		5.55
10/6/2017								5.88	
3/20/2018	5.48	6.36	5.97	6.63					5.73
3/21/2018					6.56	6.21	5.33		
3/22/2018								5.88	
10/2/2018	5.49	6.38	6.03	6.57	6.35	6.21	5.16		5.68
10/3/2018								5.95	
3/26/2019	5.41	6.42	6.12	6.54			5.25	5.89	5.63
3/27/2019					6.53	6.22			
3/18/2020	5.42	6.29	6.03	6.53	6.34	6.17	5.19	5.81	5.61
9/9/2020	5.71	6.33	6.05	6.57	6.4				5.88
9/10/2020						6.16	5.1	5.83	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: pH, Field (S.U.) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: pH, Field (S.U.) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<5						
5/9/2010	<5	<5					<5	<5	<5
5/10/2010					<5	<5			
5/11/2010				<5					
6/16/2010		<5	<5		<5	<5			
6/17/2010				<5					
6/18/2010	<5						<5	<5	<5
7/26/2010			<5						
7/27/2010		<5		<5		<5	<5		
7/28/2010	<5				<5				<5
7/29/2010								<5	
9/7/2010		<5	<5						
9/8/2010					<5	<5	<5		
9/9/2010	<5			<5				<5	<5
4/26/2011								<5	
4/28/2011				<5					
4/29/2011		<5	<5		<5	<5	<5		
4/30/2011	<5								<5
10/27/2011					<5	<5			
10/28/2011	<5	<5	<5				4	<5	<5
10/29/2011				<5					
5/2/2012	<5	<5	<5						
5/3/2012				<5			<5		<5
5/4/2012					<5	<5		<5	
11/9/2012	<5	<5	<5	<5					
11/10/2012						<5	<5		<5
11/11/2012					<5			<5	
5/8/2013	<5	<5	4.4					<5	<5
5/9/2013				<5	<5	<5	<5		
11/5/2013	<5			<5	<5				<5
11/6/2013		<5	<5			<5	<5		
11/7/2013								<5	
5/20/2014	<5	<5	<5			<5	<5	<5	<5
5/21/2014					<5				
5/23/2014				<5					
11/8/2014		<5	<5						
11/12/2014	<5				<5	<5	<5	<5	<5
11/13/2014				<5					
5/22/2015	<5	<5	<5						
5/23/2015				5.3	4.3		<5		
5/24/2015						5		<5	<5
11/9/2015		4.3	<5						
11/11/2015	<5			<5					5.2
11/12/2015					4.6	4.2	<5	<5	
4/6/2016	<5	<5	<5						
4/12/2016				<5					
4/13/2016					<5 (D)	<5 (D)	<5 (D)	<5 (D)	<5 (D)
6/15/2016	<5	<5	<5						
6/16/2016				<5					
6/21/2016					<5	<5	<5	<5	<5
8/10/2016	<5	<5	<5						
8/11/2016				<5					

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<5	<5	<5	<5	<5
10/4/2016	<5	<5		0.37 (J)					<5
10/5/2016			<5		<5	<5	<5		
10/7/2016								<5	
11/29/2016		0.24 (J)	<5						
11/30/2016	<5			<5					
12/1/2016					<5	<5	<5	<5	0.25 (J)
2/7/2017	<5	<5	<5	<5					<5
2/8/2017					<5	<5	<5		
2/9/2017								<5	
4/4/2017	0.67 (J)	1.7	<5						
4/5/2017				<5			<5		
4/6/2017					<5	0.31 (J)		<5	<5
6/20/2017	<5	<5	<5	<5		<5	<5		<5
6/21/2017					<5				
6/22/2017								<5	
10/4/2017	<5			<5					
10/5/2017		<5	0.27 (J)		<5	<5	<5		<5
10/6/2017								<5	
3/20/2018	<5 (D)	<5	<5	<5 (X)					<5
3/21/2018					<5	<5	<5 (D)		
3/22/2018								<5	
10/2/2018	<5	<5	<5	<5	<5	<5	<5		<5
10/3/2018								<5	
3/26/2019	<5	<5	<5	<5			<5	<5	<5
3/27/2019					<5	<5			
9/10/2019	<5	<5	<5	<5					
9/11/2019					<5		<5	<5	<5
3/18/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
9/9/2020	<5	<5	<5	<5	<5				<5
9/10/2020						<5	<5	<5	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<5								<5
5/11/2010		<5	<5	<5	<5	<5	<5	<5	
6/16/2010	<5	<5							
6/17/2010				<5	<5	<5			
6/18/2010							<5	<5	<5
6/19/2010			<5						
7/26/2010	<5								
7/27/2010		<5	<5	<5			<5	<5	
7/28/2010					<5	<5			<5
9/7/2010	<5	<5		<5	<5				
9/8/2010						<5			
9/9/2010			<5				<5	<5	<5
4/28/2011			<5			<5			
4/29/2011	<5	<5		<5	<5		<5		
4/30/2011								<5	<5
10/28/2011	<5	<5	<5	<5	<5		<5		
10/29/2011						<5		<5	<5
5/2/2012	<5	<5							
5/3/2012			<5	<5	<5	<5			
5/4/2012							<5	<5	<5
11/9/2012	<5	<5	<5		<5				
11/10/2012				<5		<5	<5	<5	<5
5/8/2013	<5								
5/9/2013		<5	<5	<5			<5	<5	<5
5/10/2013					<5	<5			
11/5/2013			<5						
11/6/2013	<5	<5		<5	<5	<5	<5		
11/7/2013								<5	<5
5/21/2014								<5	<5
5/22/2014		<5	<5	<5	<5	<5	<5		
5/23/2014	<5								
11/8/2014	<5	<5							
11/9/2014				<5	<5	<5	<5	<5	
11/12/2014									<5
11/13/2014			<5						
5/22/2015	<5				<5	<5			
5/23/2015		<5							
5/24/2015			4.4	<5			13 (J)	<5	5.3
11/10/2015	4.1	4.4		<5	<5				
11/11/2015			4.5			<5	37	7	4.9
4/11/2016	<5	<5							
4/12/2016			<5	<5	<5 (D)	<5		<5	
4/13/2016									<5 (D)
4/19/2016							58.7		
6/16/2016	<5	<5	<5	<5					
6/20/2016					<5	<5		0.32 (J)	<5
6/22/2016							43.5		
8/11/2016	<5	<5	<5	<5					
8/12/2016					0.36 (J)	<5		0.35 (J)	
8/15/2016									<5
8/16/2016							29		
10/4/2016			<5						



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<5	<5		<5	<5				
10/6/2016						<5	27	0.29 (J)	<5
11/29/2016	<5	<5							
11/30/2016			<5	<5	<5	<5		0.26 (J)	
12/1/2016							29		<5
2/7/2017			<5						
2/8/2017	<5	<5		<5	<5	<5			
2/9/2017							31	<5	<5
4/5/2017		<5							
4/6/2017	<5		2.3	<5	<5	<5	43	<5	
4/7/2017									<5
6/20/2017			<5						
6/21/2017	<5	<5		<5	<5		52	0.31 (J)	
6/22/2017						<5			<5
10/4/2017			<5						
10/5/2017	<5	<5		<5	<5		38		
10/6/2017						<5		<5	<5
3/20/2018	<5	<5	<5 (X)						
3/21/2018				<5	<5	<5 (X)		<5 (X)	
3/22/2018							38		<5
10/2/2018	<5	<5	<5						
10/3/2018				<5	<5	<5	21	0.56 (J)	
10/4/2018									<5
3/26/2019	<5	<5	<5	<5	<5	<5		<5	
3/27/2019							23		<5
9/10/2019			<5		<5	<5			
9/11/2019	<5						7.9	<5	<5
9/12/2019		<5		<5					
3/18/2020	<5		<5		<5		14	<5	
3/19/2020		<5		<5		<5			<5
9/9/2020	<5	<5	<5				5.4		
9/10/2020				<5	<5	<5		<5	<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<5	<5
6/16/2010		<5
6/19/2010	<5	
7/27/2010		<5
7/28/2010	<5	
9/8/2010	<5	<5
4/29/2011		<5
4/30/2011	<5	
10/27/2011	<5	<5
5/3/2012		<5
5/4/2012	<5	
11/11/2012	<5	<5
5/9/2013		<5
5/10/2013	<5	
11/6/2013		<5
11/7/2013	<5	
5/21/2014	<5	<5
11/12/2014		<5
11/13/2014	<5	
5/23/2015	4.5	<5
11/11/2015	4.3	
11/12/2015		6.5
4/13/2016		<5 (D)
4/19/2016	<5	
6/22/2016		<5
8/15/2016		<5
10/6/2016		<5
10/10/2016	<5	
12/1/2016	<5	<5
2/8/2017		<5
2/9/2017	<5	
4/6/2017		<5
4/7/2017	<5	
6/21/2017	<5	<5
8/15/2017	<5	
9/1/2017	0.44 (J)	
10/5/2017		<5
10/9/2017	<5	
3/21/2018		<5 (X)
3/22/2018	0.32 (J)	
10/2/2018		<5
10/4/2018	<5	
3/27/2019	<5	<5
9/11/2019	<5	<5
3/18/2020	<5	<5
9/9/2020	<5	<5

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 5:02 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		

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 5:02 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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 5:02 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		

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/19/2020 5:02 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	<1
9/9/2020	1.6	<1	<1	0.77 (J)	2.6				<1
9/10/2020						<1	<1	1.3	



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/19/2020 5:02 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		
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (ug/L) Analysis Run 11/19/2020 5:02 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			<1						
5/9/2010	<1	<1					<1	<1	<1
5/10/2010					<1	<1			
5/11/2010				<1					
6/16/2010		<1	<1		<1	<1			
6/17/2010				<1					
6/18/2010	<1						<1	<1	<1
7/26/2010			<1						
7/27/2010		<1		<1		<1	<1		
7/28/2010	<1				<1				<1
7/29/2010								<1	
9/7/2010		<1	<1						
9/8/2010					<1	<1	<1		
9/9/2010	<1			<1				<1	<1
4/26/2011								<1	
4/28/2011				<1					
4/29/2011		<1	<1		<1	<1	<1		
4/30/2011	<1								<1
10/27/2011					<1	<1			
10/28/2011	<1	<1	<1				<1	<1	<1
10/29/2011				<1					
5/2/2012	<1	<1	<1						
5/3/2012				<1			<1		<1
5/4/2012					<1	<1		<1	
11/9/2012	<1	<1	<1	<1					
11/10/2012						<1	<1		<1
11/11/2012					<1			<1	
5/8/2013	<1	0.3	<1					<1	<1
5/9/2013				<1	<1	<1	<1		
11/5/2013	<1			<1	<1				<1
11/6/2013		<1	<1			<1	<1		
11/7/2013								<1	
5/20/2014	<1	<1	<1			<1	<1	<1	<1
5/21/2014					<1				
5/23/2014				<1					
11/8/2014		<1	<1						
11/12/2014	<1				<1	<1	<1	<1	<1
11/13/2014				<1					
5/22/2015	<1	<1	<1						
5/23/2015				<1	<1		<1		
5/24/2015						<1		<1	<1
11/9/2015		<1	<1						
11/11/2015	<1			<1					<1
11/12/2015					<1	<1	<1	<1	
4/6/2016	<1	<1	<1						
4/12/2016				<1					
4/13/2016					<1 (D)	<1 (D)	<1 (D)	<1 (D)	<1 (D)
6/15/2016	<1	<1	<1						
6/16/2016				<1					
6/21/2016					<1	<1	<1	<1	<1
8/10/2016	<1	<1	<1						
8/11/2016				<1					

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (ug/L) Analysis Run 11/19/2020 5:02 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					<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	<1	<1	<1	<1					<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					<1	<1		<1	<1
6/20/2017	<1	<1	<1	<1		<1	<1		<1
6/21/2017					<1				
6/22/2017								<1	
10/4/2017	<1			<1					
10/5/2017		<1	<1		<1	<1	<1		<1
10/6/2017								<1	
3/20/2018	<1 (D)	<1	<1	<1					<1
3/21/2018					<1	<1	<1 (D)		
3/22/2018								<1	
10/2/2018	<1	<1	<1	<1	<1	<1	<1		<1
10/3/2018								<1	
3/26/2019	<1	<1	<1	<1			<1	<1	<1
3/27/2019					<1	<1			
9/10/2019	<1	0.21 (J)	0.23 (J)	<1					
9/11/2019					<1	<1	<1	<1	<1
3/18/2020	<1	<1	<1	0.49 (J)	<1	<1	<1	<1	<1
9/9/2020	0.25 (J)	<1	<1	<1	<1				<1
9/10/2020						<1	<1	<1	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1								<1
5/11/2010		<1	<1	<1	<1	<1	<1	<1	
6/16/2010	<1	<1							
6/17/2010				<1	<1	<1			
6/18/2010							<1	<1	<1
6/19/2010			<1						
7/26/2010	<1								
7/27/2010		<1	<1	<1			<1	<1	
7/28/2010					<1	<1			<1
9/7/2010	<1	<1		<1	<1				
9/8/2010						<1			
9/9/2010			<1				<1	<1	<1
4/28/2011			<1			<1			
4/29/2011	<1	<1		<1	<1		<1		
4/30/2011								<1	<1
10/28/2011	<1	<1	<1	<1	<1		<1		
10/29/2011						<1		<1	0.27
5/2/2012	<1	<1							
5/3/2012			<1	<1	<1	<1			
5/4/2012							<1	<1	<1
11/9/2012	<1	<1	<1		<1				
11/10/2012				<1		<1	<1	<1	<1
5/8/2013	<1								
5/9/2013		<1	<1	<1			<1	<1	<1
5/10/2013					<1	<1			
11/5/2013			<1						
11/6/2013	<1	<1		<1	<1	<1	<1		
11/7/2013								<1	0.26
5/21/2014								<1	<1
5/22/2014		<1	<1	<1	<1	<1	<1		
5/23/2014	<1								
11/8/2014	<1	<1							
11/9/2014				<1	<1	<1	<1	<1	
11/12/2014									<1
11/13/2014			<1						
5/22/2015	<1				<1	<1			
5/23/2015		<1							
5/24/2015			<1	<1			<1	<1	<1
11/10/2015	<1	<1		<1	<1				
11/11/2015			<1			<1	<1	<1	<1
4/11/2016	<1	<1							
4/12/2016			<1	<1	<1 (D)	<1		<1	
4/13/2016									<1 (D)
4/19/2016							<1		
6/16/2016	<1	<1	<1	<1					
6/20/2016					<1	<1		<1	<1
6/22/2016							<1		
8/11/2016	<1	<1	<1	<1					
8/12/2016					<1	<1		<1	
8/15/2016									<1
8/16/2016							<1		
10/4/2016			<1						

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (ug/L) Analysis Run 11/19/2020 5:02 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	<1	<1		<1	<1				
10/6/2016						<1	<1	<1	<1
11/29/2016	<1	<1							
11/30/2016			<1	<1	<1	<1		<1	
12/1/2016							<1		<1
2/7/2017			<1						
2/8/2017	<1	<1		<1	<1	<1			
2/9/2017							<1	<1	<1
4/5/2017		<1							
4/6/2017	<1		<1	<1	<1	<1	<1	<1	
4/7/2017									<1
6/20/2017			<1						
6/21/2017	<1	<1		<1	<1		<1	<1	
6/22/2017						<1			<1
10/4/2017			<1						
10/5/2017	<1	<1		<1	<1		<1		
10/6/2017						<1		<1	<1
3/20/2018	<1	<1	<1						
3/21/2018				<1	<1	<1		<1	
3/22/2018							<1		<1
10/2/2018	<1	<1	<1						
10/3/2018				<1	<1	<1	<1	<1	
10/4/2018									<1
3/26/2019	<1	<1	<1	<1	<1	<1		<1	
3/27/2019							<1		<1
9/10/2019			<1		<1	<1			
9/11/2019	<1						<1	<1	<1
9/12/2019		<1		<1					
3/18/2020	<1		0.25 (J)		<1		<1	<1	
3/19/2020		<1		<1		0.36 (J)			<1
9/9/2020	<1	<1	<1				<1		
9/10/2020				<1	<1	<1		<1	0.19 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (ug/L) Analysis Run 11/19/2020 5:02 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9
5/10/2010	<1	<1
6/16/2010		<1
6/19/2010	<1	
7/27/2010		<1
7/28/2010	<1	
9/8/2010	<1	<1
4/29/2011		<1
4/30/2011	<1	
10/27/2011	<1	<1
5/3/2012		<1
5/4/2012	<1	
11/11/2012	<1	<1
5/9/2013		<1
5/10/2013	<1	
11/6/2013		<1
11/7/2013	<1	
5/21/2014	<1	<1
11/12/2014		<1
11/13/2014	<1	
5/23/2015	<1	<1
11/11/2015	<1	
11/12/2015		<1
4/13/2016		<1 (D)
4/19/2016	<1	
6/22/2016		<1
8/15/2016		<1
10/6/2016		<1
10/10/2016	<1	
12/1/2016	<1	<1
2/8/2017		<1
2/9/2017	<1	
4/6/2017		<1
4/7/2017	<1	
6/21/2017	<1	<1
8/15/2017	<1	
9/1/2017	<1	
10/5/2017		<1
10/9/2017	<1	
3/21/2018		<1
3/22/2018	<1	
10/2/2018		<1
10/4/2018	<1	
3/27/2019	<1	<1
9/11/2019	<1	<1
3/18/2020	<1	<1
9/9/2020	<1	<1

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Total Dissolved Solids [TDS] (mg/L)    Analysis Run 11/19/2020 5:02 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	



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Vanadium (mg/L) Analysis Run 11/19/2020 5:02 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 11/19/2020 5:02 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	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Vanadium (mg/L) Analysis Run 11/19/2020 5:02 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 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Vanadium (mg/L) Analysis Run 11/19/2020 5:02 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Zinc (mg/L) Analysis Run 11/19/2020 5:02 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		



**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Zinc (mg/L) Analysis Run 11/19/2020 5:02 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)	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Zinc (mg/L) Analysis Run 11/19/2020 5:02 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)		

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**Time Series**

Constituent: Zinc (mg/L) Analysis Run 11/19/2020 5:02 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

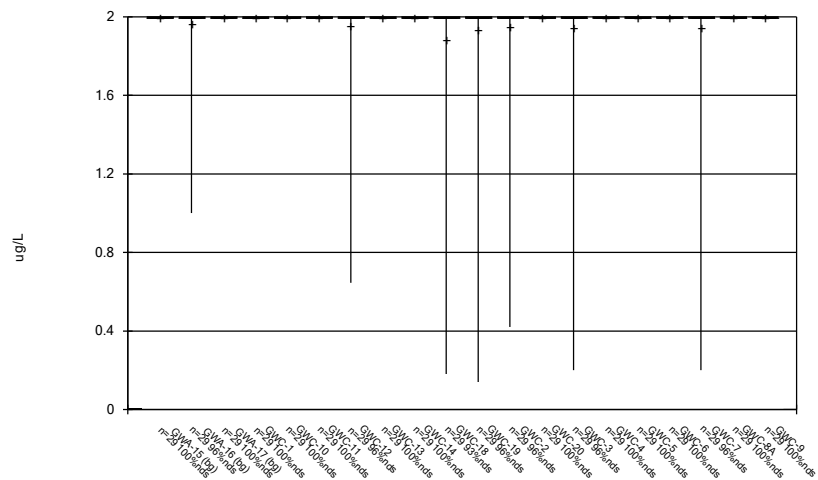
PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Zinc (mg/L) Analysis Run 11/19/2020 5:02 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

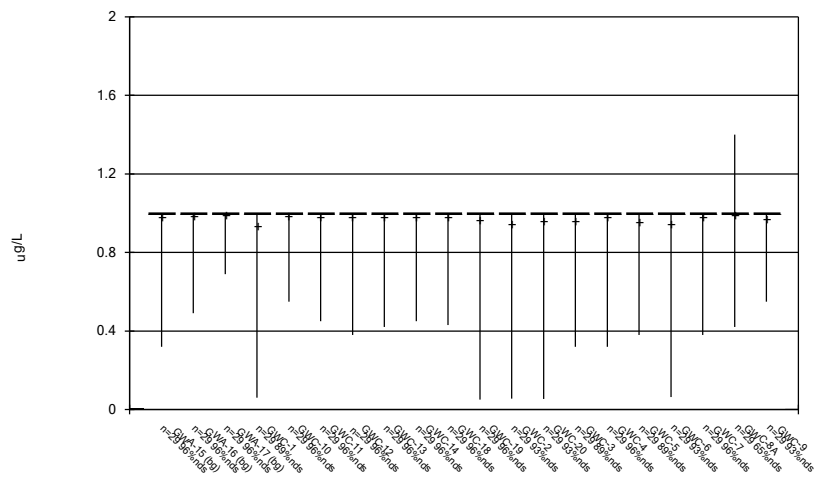
# FIGURE B.

Box & Whiskers Plot



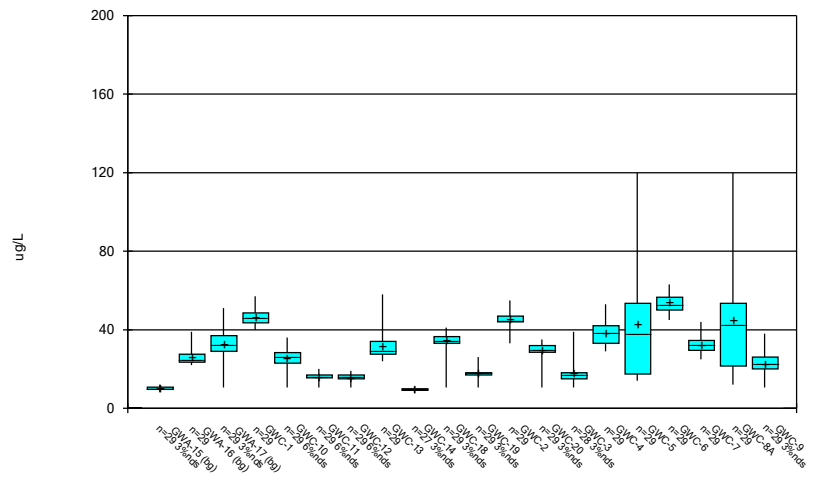
Constituent: Antimony, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



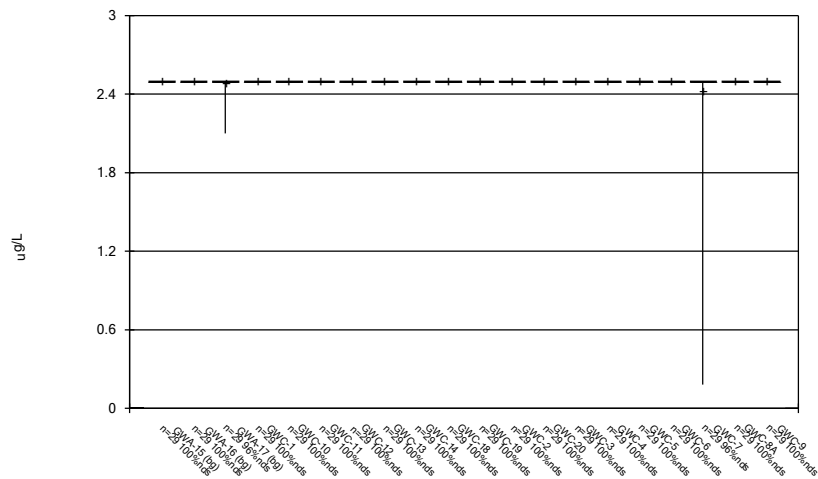
Constituent: Arsenic, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



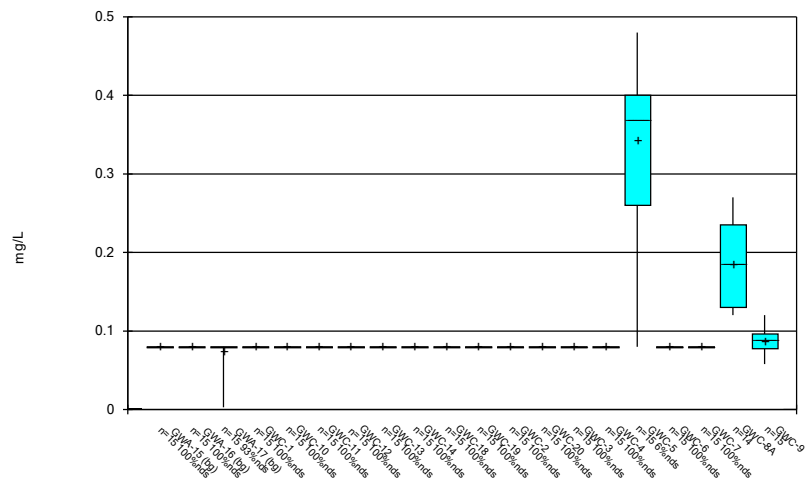
Constituent: Barium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



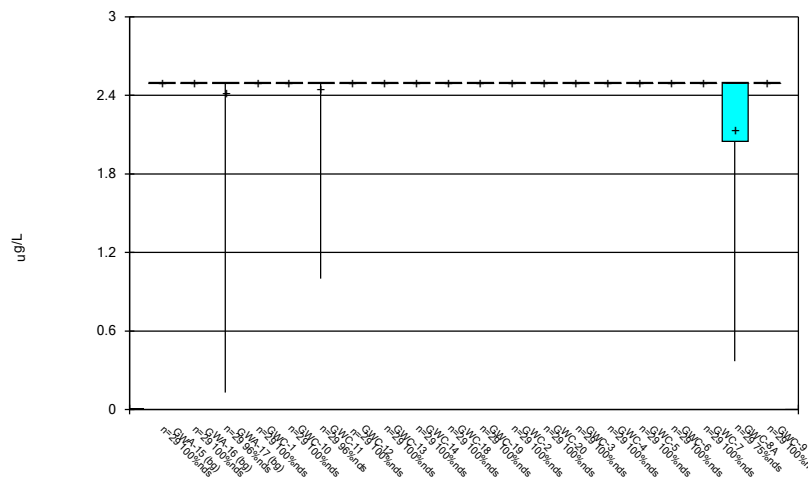
Constituent: Beryllium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



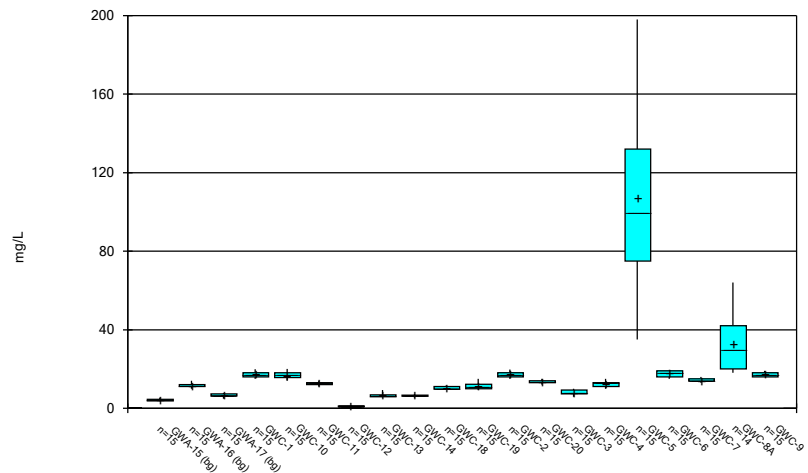
Constituent: Boron, total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



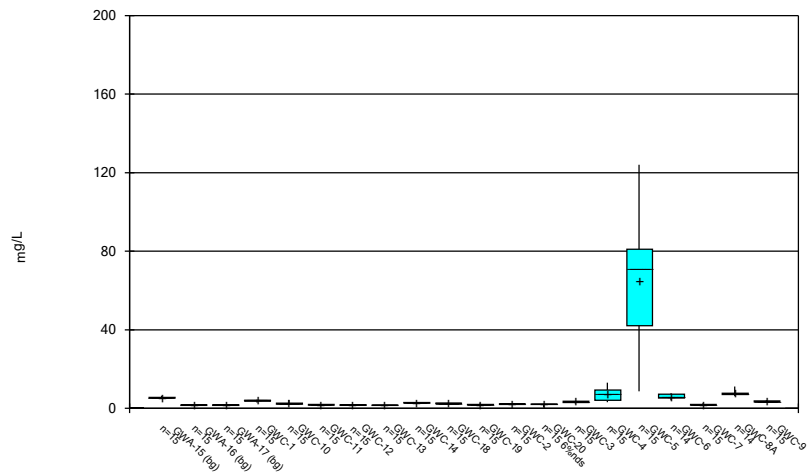
Constituent: Cadmium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



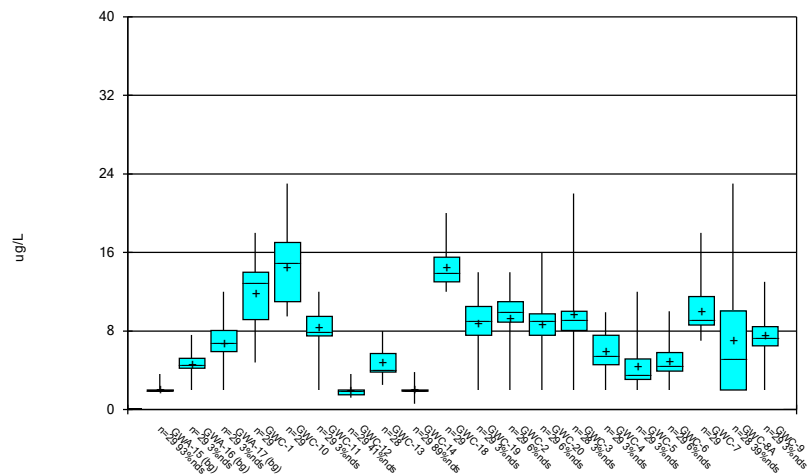
Constituent: Calcium, total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



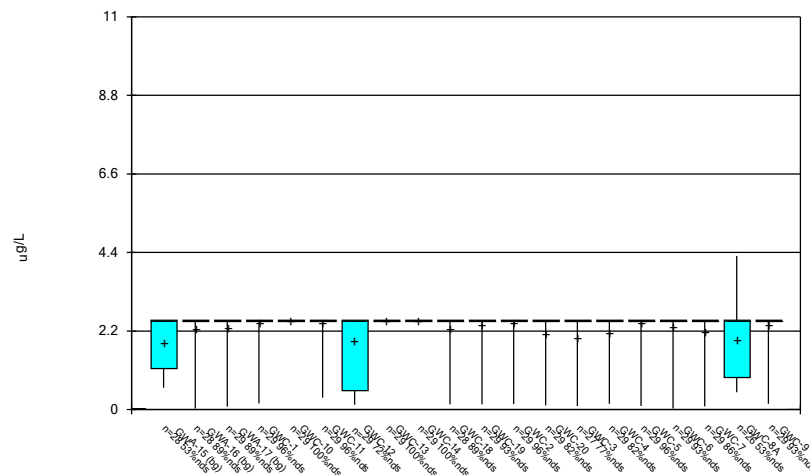
Constituent: Chloride, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



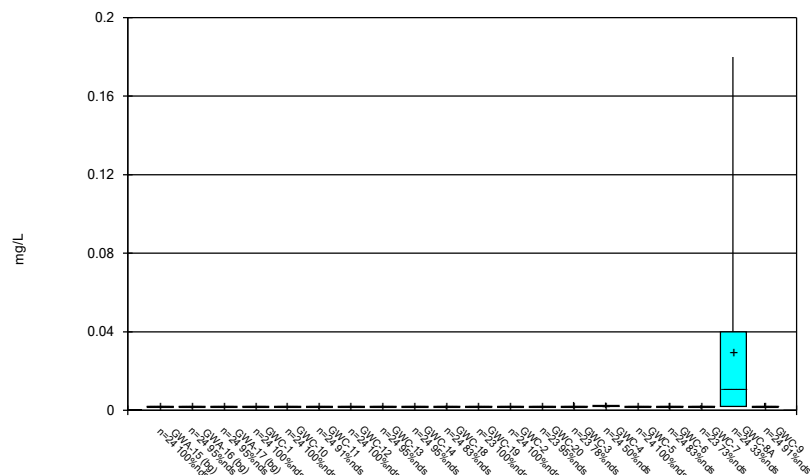
Constituent: Chromium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



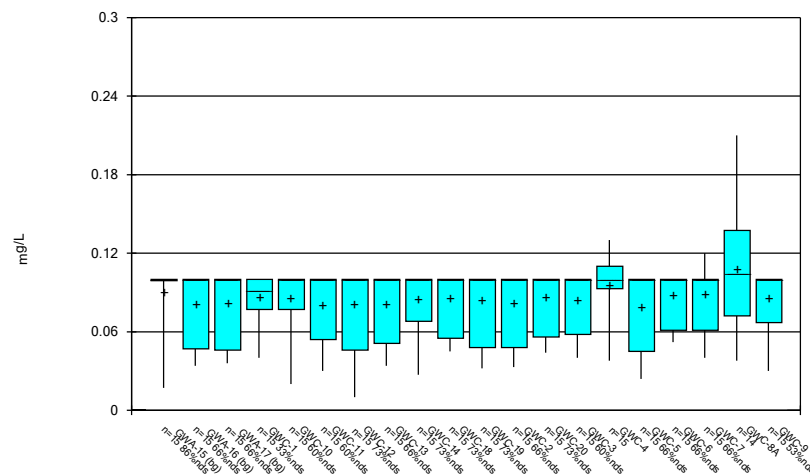
Constituent: Cobalt, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Copper Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

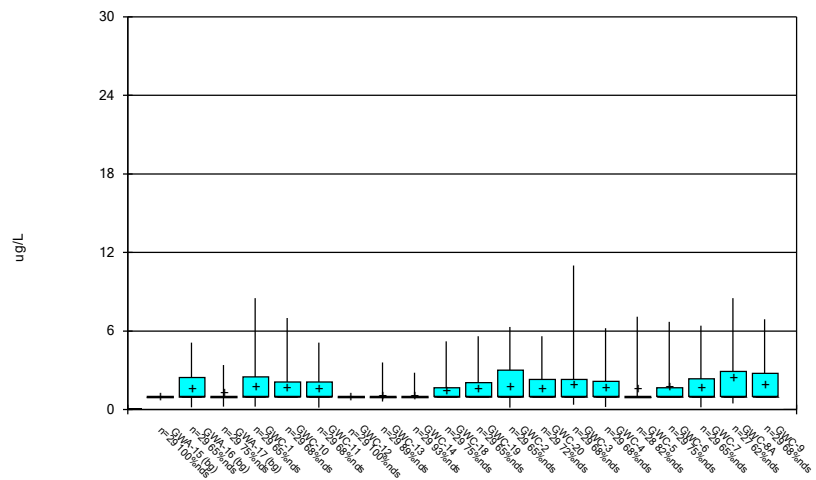


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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

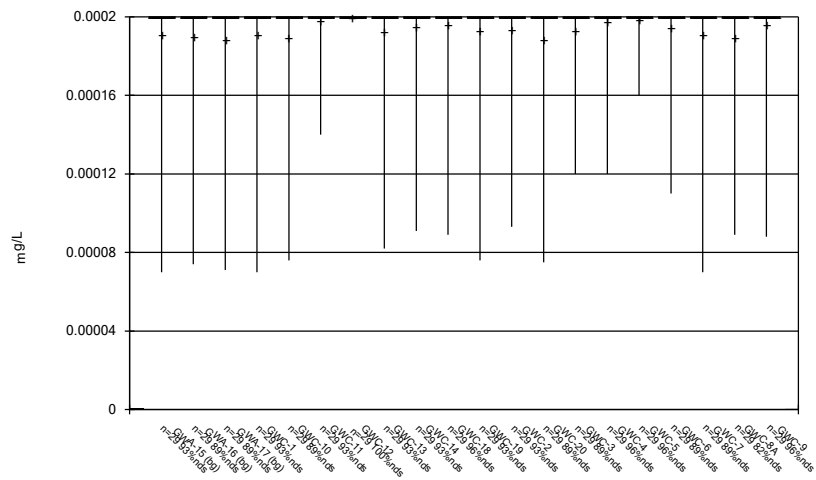
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Box & Whiskers Plot



Constituent: Lead, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

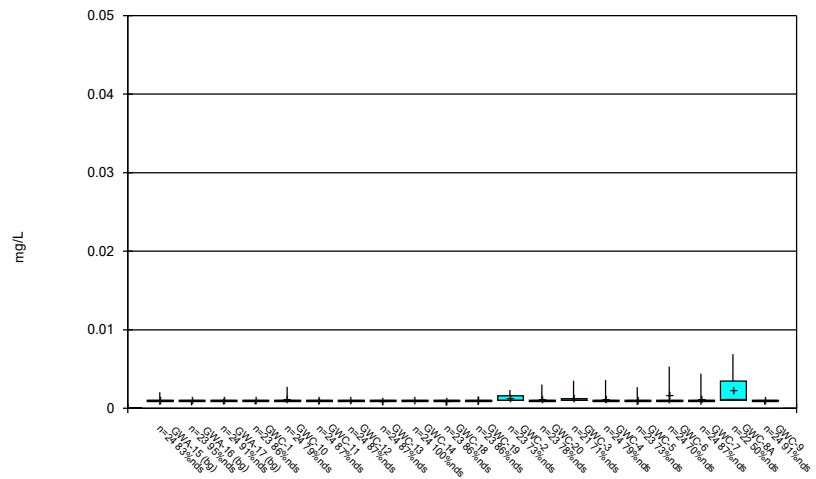
Box & Whiskers Plot



Constituent: Mercury Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

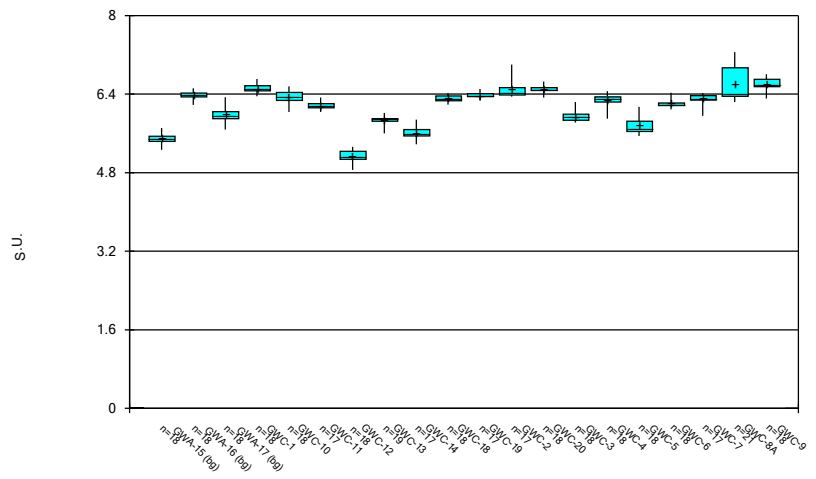
Box & Whiskers Plot



Constituent: Nickel Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

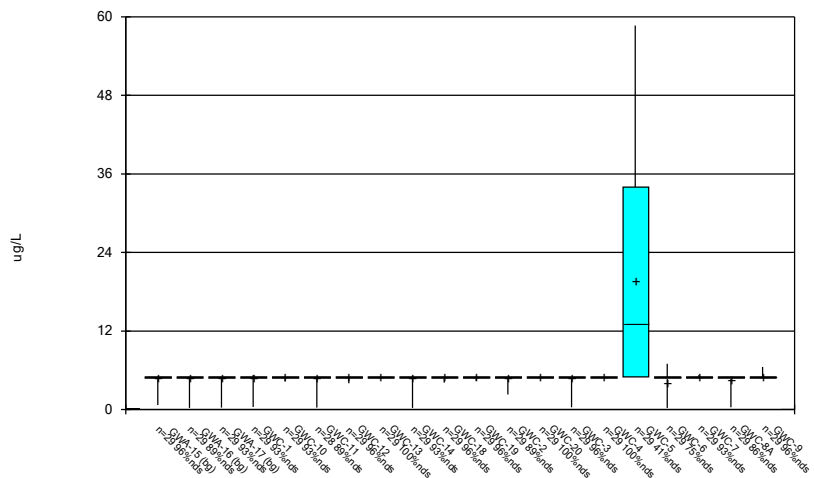
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Box & Whiskers Plot



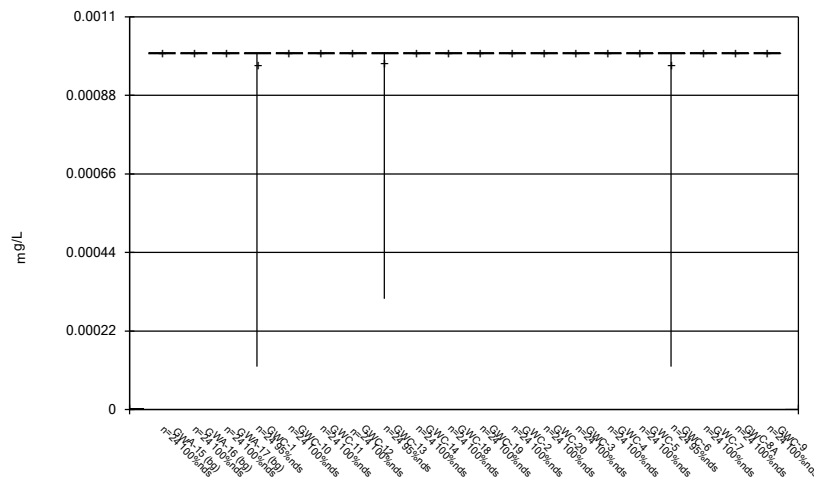
Constituent: pH, Field Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



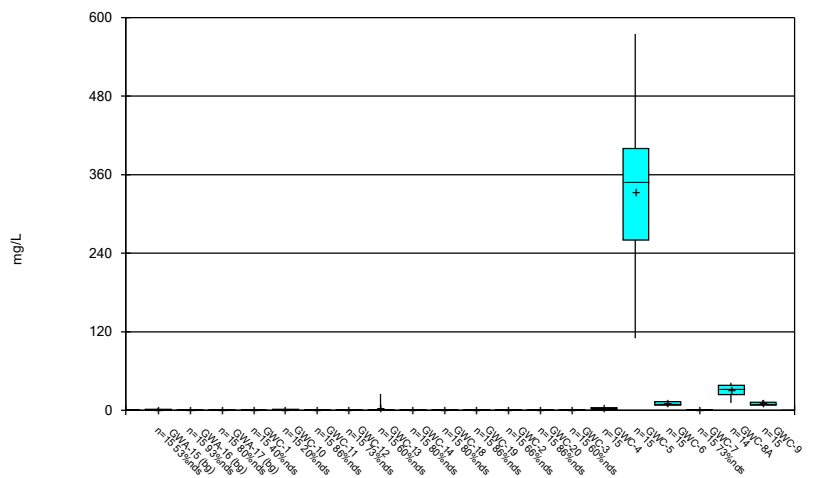
Constituent: Selenium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



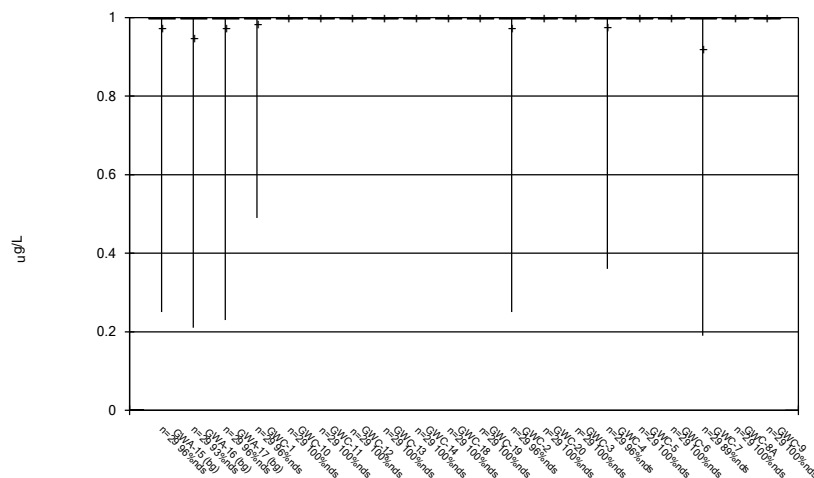
Constituent: Silver Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



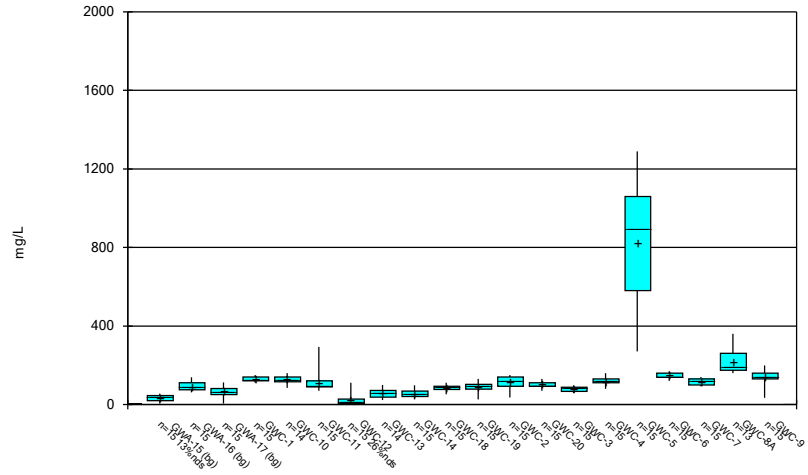
Constituent: Sulfate as SO4 Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



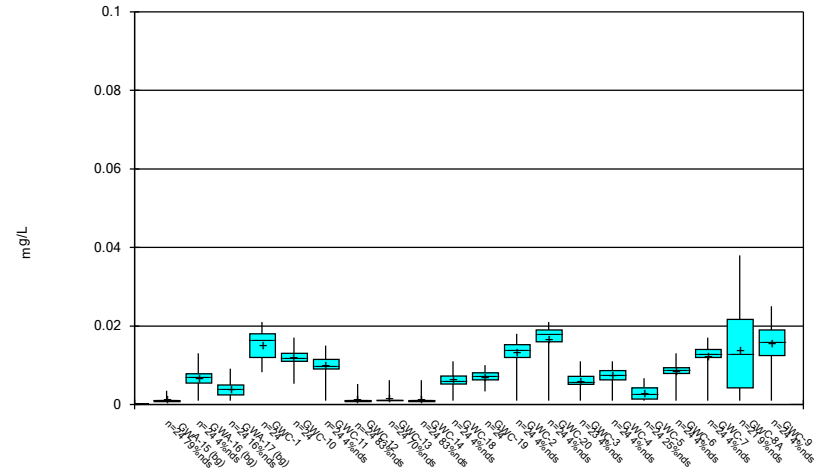
Constituent: Thallium, Total Analysis Run 11/21/2020 6:56 PM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



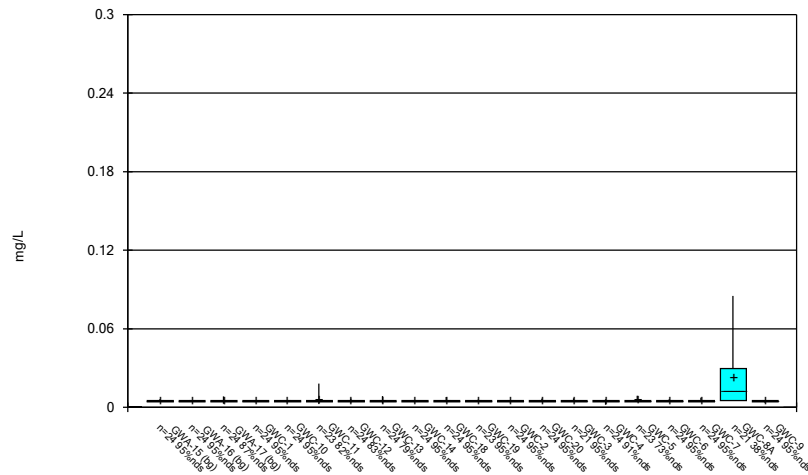
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/21/2020 6:56 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Vanadium Analysis Run 11/21/2020 6:56 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 11/21/2020 6:56 PM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# FIGURE C.







Outlier Summary

GWC-10 Total Dissolved Solids [TDS] (mg/L)  
 GWC-13 Total Dissolved Solids [TDS] (mg/L)  
 GWC-8A Total Dissolved Solids [TDS] (mg/L)  
 GWC-3 Vanadium (mg/L)  
 GWC-8A Vanadium (mg/L)  
 GWC-11 Zinc (mg/L)  
 GWC-19 Zinc (mg/L)  
 GWC-3 Zinc (mg/L)  
 GWC-5 Zinc (mg/L)  
 GWC-8A Zinc (mg/L)

Date	GWC-10 Total Dissolved Solids [TDS] (mg/L)	GWC-13 Total Dissolved Solids [TDS] (mg/L)	GWC-8A Total Dissolved Solids [TDS] (mg/L)	GWC-3 Vanadium (mg/L)	GWC-8A Vanadium (mg/L)	GWC-11 Zinc (mg/L)	GWC-19 Zinc (mg/L)	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			0.019 (O)					0.016 (O)		
9/7/2010										
4/28/2011										
4/29/2011										
4/30/2011				0.053 (O)					0.13 (O)	
10/28/2011										
5/3/2012										
5/10/2013				0.09 (O)					0.23 (O)	
11/13/2014				0.065 (O)					0.13 (O)	
5/22/2015										
5/23/2015										
5/24/2015										
4/6/2016										
4/19/2016								0.0133 (O)		
6/21/2016	214 (O)	195 (O)								
10/5/2016						0.0085 (O)	0.01 (O)			
10/10/2016			110 (O)							
2/7/2017										
2/8/2017										
4/6/2017										
3/20/2018										
3/22/2018										
10/2/2018				0.022 (O)						



# FIGURE D.

## State Intrawell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (ug/L)	GWC-10	34.91	n/a	9/9/2020	36	Yes	25	24.34	4.121	8	None	No	0.0002066	Param Intra 1 of 2	
Barium, Total (ug/L)	GWC-11	18	n/a	9/10/2020	20	Yes	25	n/a	n/a	8	n/a	n/a	0.002832	NP Intra (normality) 1 of 2	
Barium, Total (ug/L)	GWC-19	19.97	n/a	9/9/2020	26	Yes	25	89561	27067	4	None	x^4	0.0002066	Param Intra 1 of 2	
Zinc (mg/L)	GWC-11	0.007	n/a	9/10/2020	0.018	Yes	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2	

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## State Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (ug/L)	GWA-16	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-12	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-18	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-19	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-2	2	n/a	9/9/2020	2ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-3	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony, Total (ug/L)	GWC-7	2	n/a	9/10/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Barium, Total (ug/L)	GWA-15	12.69	n/a	9/9/2020	10	No	25	97.35	24.78	4	None	x^2	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWA-16	31.68	n/a	9/9/2020	24	No	25	25.4	2.449	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWA-17	50.54	n/a	9/9/2020	33	No	25	32.57	7.007	4	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-1	58.31	n/a	9/9/2020	46	No	25	46.62	4.557	0	None	No	0.0002066	Param Intra 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>34.91</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>36</b>	<b>Yes</b>	<b>25</b>	<b>24.34</b>	<b>4.121</b>	<b>8</b>	<b>None</b>	<b>No</b>	<b>0.0002066</b>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (ug/L)</b>	<b>GWC-11</b>	<b>18</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>20</b>	<b>Yes</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002832</b>	<b>NP Intra (normality) 1 of 2</b>
Barium, Total (ug/L)	GWC-12	19.05	n/a	9/10/2020	19	No	25	3545	1313	8	None	x^3	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-13	41.77	n/a	9/10/2020	37	No	25	3.096	0.1457	0	None	x^(1/3)	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-14	10.84	n/a	9/9/2020	10	No	23	7548	2400	4.348	None	x^4	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-18	42.44	n/a	9/9/2020	36	No	25	43231	12957	4	None	x^3	0.0002066	Param Intra 1 of 2
<b>Barium, Total (ug/L)</b>	<b>GWC-19</b>	<b>19.97</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>26</b>	<b>Yes</b>	<b>25</b>	<b>89561</b>	<b>27067</b>	<b>4</b>	<b>None</b>	<b>x^4</b>	<b>0.0002066</b>	<b>Param Intra 1 of 2</b>
Barium, Total (ug/L)	GWC-2	55.66	n/a	9/9/2020	47	No	25	45.08	4.125	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-20	36.17	n/a	9/10/2020	31	No	25	27034	7901	4	None	x^3	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-3	39	n/a	9/10/2020	15	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Barium, Total (ug/L)	GWC-4	50.44	n/a	9/10/2020	45	No	25	37.22	5.153	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-5	139.7	n/a	9/9/2020	33	No	25	6.24	2.174	0	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-6	66.69	n/a	9/10/2020	56	No	25	53.82	5.017	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-7	41.85	n/a	9/10/2020	39	No	25	31.71	3.951	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-8A	113	n/a	9/9/2020	53	No	25	45.78	26.22	0	None	No	0.0002066	Param Intra 1 of 2
Barium, Total (ug/L)	GWC-9	36.36	n/a	9/9/2020	25	No	25	22.99	5.214	4	None	No	0.0002066	Param Intra 1 of 2
Cadmium, Total (ug/L)	GWA-17	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-11	2.5	n/a	9/10/2020	1J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cadmium, Total (ug/L)	GWC-8A	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-15	3.6	n/a	9/9/2020	2ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWA-16	8.848	n/a	9/9/2020	5	No	25	2.184	0.3081	4	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWA-17	10.91	n/a	9/9/2020	8.8	No	25	6.728	1.632	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-1	17.76	n/a	9/9/2020	14	No	19	12.68	1.865	0	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-10	20.49	n/a	9/9/2020	18	No	11	16.56	1.189	0	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-11	12	n/a	9/10/2020	9	No	25	n/a	n/a	4	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-12	3.1	n/a	9/10/2020	2ND	No	25	n/a	n/a	44	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-13	8.343	n/a	9/10/2020	5.4	No	24	2.116	0.2984	0	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-14	3.6	n/a	9/9/2020	2ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium, Total (ug/L)	GWC-18	20	n/a	9/9/2020	13	No	25	n/a	n/a	0	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-19	14.93	n/a	9/9/2020	11	No	25	8.719	2.422	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-2	12.92	n/a	9/9/2020	10	No	25	98.38	26.78	8	None	x^2	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-20	14.58	n/a	9/10/2020	9	No	25	9.018	2.168	8	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-3	22	n/a	9/10/2020	6.1	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-4	10.56	n/a	9/10/2020	5.5	No	25	6.12	1.731	4	None	No	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-5	10.96	n/a	9/9/2020	4.8	No	25	1.377	0.3969	4	None	ln(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-6	12	n/a	9/10/2020	4.9	No	25	n/a	n/a	8	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium, Total (ug/L)	GWC-7	16.72	n/a	9/10/2020	9.8	No	25	2.284	0.2076	0	None	ln(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-8A	28.89	n/a	9/9/2020	2ND	No	24	2.572	1.076	33.33	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Chromium, Total (ug/L)	GWC-9	12.37	n/a	9/9/2020	8.1	No	25	7.579	1.867	4	None	No	0.0002066	Param Intra 1 of 2

## State Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (ug/L)	GWA-15	2.5	n/a	9/9/2020	1.6J	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-16	2.5	n/a	9/9/2020	2.5ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWA-17	2.5	n/a	9/9/2020	0.19J	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-1	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-11	2.5	n/a	9/10/2020	0.33J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-12	0.49	n/a	9/10/2020	0.57J	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-18	0.4	n/a	9/9/2020	0.14J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-19	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-2	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-20	0.5	n/a	9/10/2020	0.18J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-3	0.42	n/a	9/10/2020	0.23J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-4	2.5	n/a	9/10/2020	0.32J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-5	2.5	n/a	9/9/2020	2.5ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-6	2.5	n/a	9/10/2020	2.5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-7	0.4	n/a	9/10/2020	0.38J	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-8A	4.6	n/a	9/9/2020	4.3	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (ug/L)	GWC-9	2.5	n/a	9/9/2020	0.23J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	9/10/2020	0.0007J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	9/9/2020	0.00084J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	9/10/2020	0.00072J	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0037	n/a	9/10/2020	0.0011J	No	20	n/a	n/a	55	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	9/10/2020	0.002ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	9/10/2020	0.0024	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.1944	n/a	9/9/2020	0.002ND	No	20	0.1545	0.1068	20	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	9/9/2020	0.002ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWA-16	5.1	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWA-17	3.4	n/a	9/9/2020	1ND	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-1	8.5	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-10	7	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-11	5.1	n/a	9/10/2020	0.14J	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-13	3.6	n/a	9/10/2020	1ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-14	2.8	n/a	9/9/2020	1ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-18	5.2	n/a	9/9/2020	1ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-19	5.6	n/a	9/9/2020	1ND	No	25	n/a	n/a	60	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-2	6.3	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-20	5.6	n/a	9/10/2020	1ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-3	11	n/a	9/10/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-4	6.2	n/a	9/10/2020	1ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-5	7.1	n/a	9/9/2020	1ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-6	6.7	n/a	9/10/2020	1ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-7	6.4	n/a	9/10/2020	0.17J	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-8A	8.5	n/a	9/9/2020	1ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead, Total (ug/L)	GWC-9	6.9	n/a	9/9/2020	1ND	No	25	n/a	n/a	64	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2

## State Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWA-17	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	9/10/2020	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	9/9/2020	0.0002ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	9/9/2020	0.00069J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	9/9/2020	0.001ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.001	n/a	9/9/2020	0.00048J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	9/9/2020	0.00047J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	9/9/2020	0.0021	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	9/10/2020	0.0012	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	9/10/2020	0.00088J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	9/10/2020	0.00044J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0018	n/a	9/9/2020	0.00064J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	9/9/2020	0.00039J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	9/9/2020	0.0016	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	9/10/2020	0.00098J	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	9/10/2020	0.0014	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0021	n/a	9/10/2020	0.0013	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	9/9/2020	0.00039J	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	9/10/2020	0.0009J	No	20	n/a	n/a	80	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	9/10/2020	0.0007J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	9/9/2020	0.0036	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	9/9/2020	0.00046J	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-15	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-16	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWA-17	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-1	5.3	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-10	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-11	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-12	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-14	5.2	n/a	9/9/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-18	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-19	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-2	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-3	5	n/a	9/10/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-6	7	n/a	9/10/2020	5ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-7	5.3	n/a	9/10/2020	5ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2

## State Intrawell Prediction Limit Summary - All Results

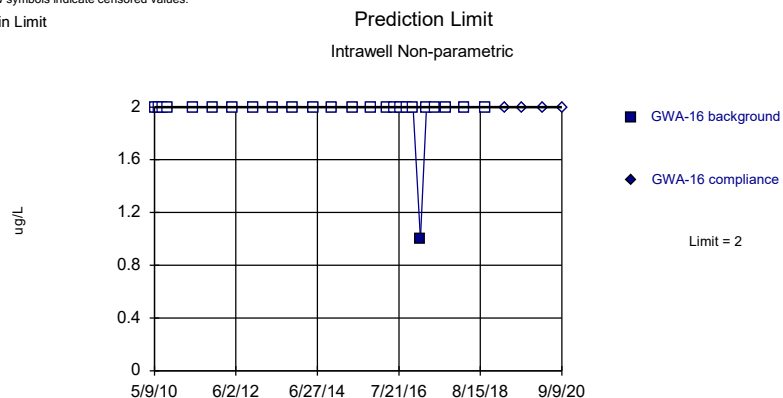
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:57 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium, Total (ug/L)	GWC-8A	5	n/a	9/9/2020	5ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium, Total (ug/L)	GWC-9	6.5	n/a	9/9/2020	5ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-15	1	n/a	9/9/2020	0.25J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-16	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWA-17	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-1	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-2	1	n/a	9/9/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-4	1	n/a	9/10/2020	1ND	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium, Total (ug/L)	GWC-7	1	n/a	9/10/2020	0.19J	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01265	n/a	9/9/2020	0.0072	No	20	0.007093	0.002072	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.00892	n/a	9/9/2020	0.0053	No	20	0.06136	0.01234	20	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.0249	n/a	9/9/2020	0.018	No	14	0.01659	0.00277	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.01765	n/a	9/9/2020	0.012	No	20	0.01167	0.002231	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01392	n/a	9/10/2020	0.01	No	20	0.01016	0.001399	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0032	n/a	9/10/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.004	n/a	9/10/2020	0.0011	No	20	n/a	n/a	85	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.0026	n/a	9/9/2020	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	9/9/2020	0.007	No	20	n/a	n/a	5	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-19	0.01064	n/a	9/9/2020	0.0071	No	20	0.006973	0.001367	0	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.01974	n/a	9/9/2020	0.014	No	20	0.01302	0.002504	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02415	n/a	9/10/2020	0.018	No	20	0.01705	0.002645	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01177	n/a	9/10/2020	0.0061	No	19	0.07988	0.01051	5.263	None	sqrt(x)	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01212	n/a	9/10/2020	0.0068	No	20	0.007587	0.001689	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.007229	n/a	9/9/2020	0.002	No	20	0.00323	0.001491	30	Kaplan-Meier	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01309	n/a	9/10/2020	0.0094	No	20	0.008558	0.001688	5	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01745	n/a	9/10/2020	0.014	No	20	0.0001663	0.000051495		None	x^2	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04752	n/a	9/9/2020	0.001ND	No	17	0.01678	0.01096	5.882	None	No	0.0002066	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02669	n/a	9/9/2020	0.022	No	20	0.01594	0.004006	5	None	No	0.0002066	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0073	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-11</b>	<b>0.007</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.018</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>89.47</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-12	0.0065	n/a	9/10/2020	0.0037J	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0071	n/a	9/10/2020	0.0038J	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.005	n/a	9/9/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.005	n/a	9/10/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	9/9/2020	0.005ND	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.005	n/a	9/10/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.1221	n/a	9/9/2020	0.005ND	No	17	0.147	0.07218	29.41	Kaplan-Meier	sqrt(x)	0.0002066	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	9/9/2020	0.005ND	No	20	n/a	n/a	100	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

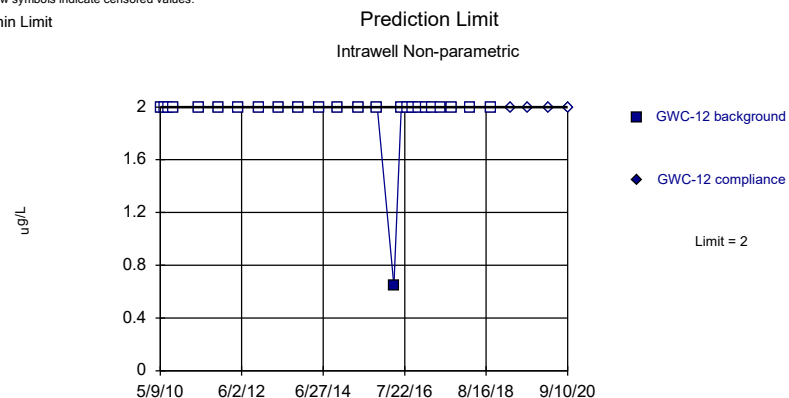


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

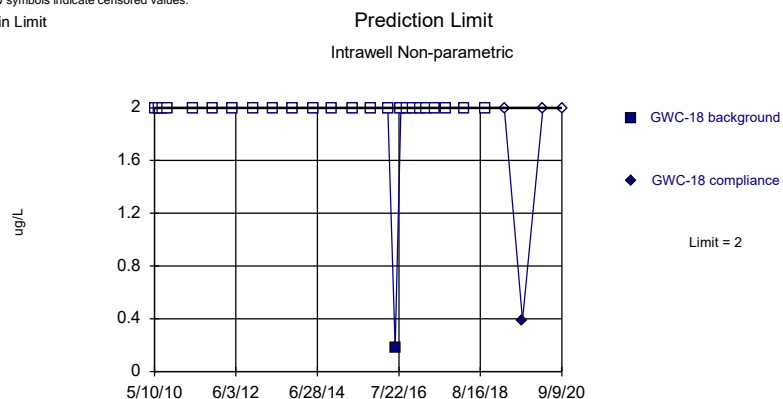


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

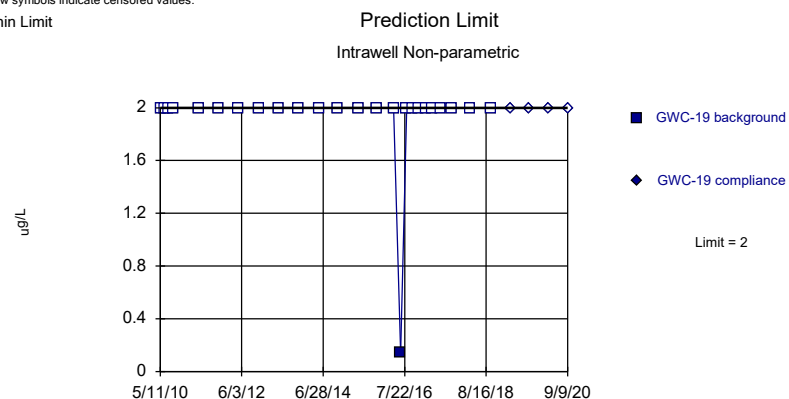


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

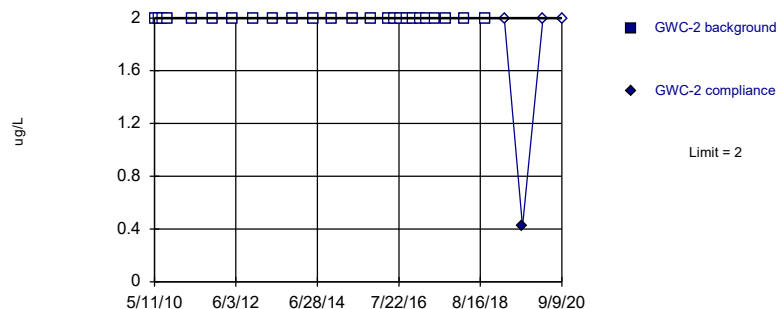
Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



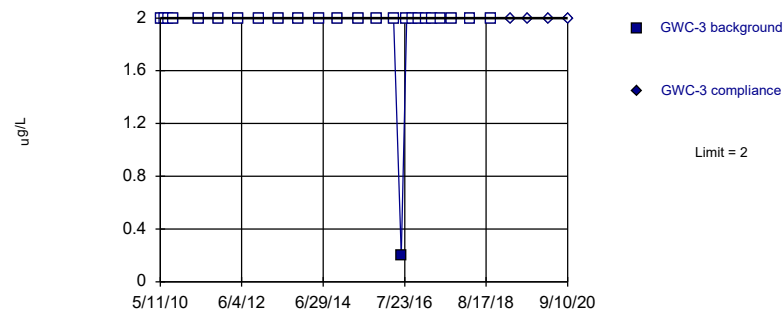
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



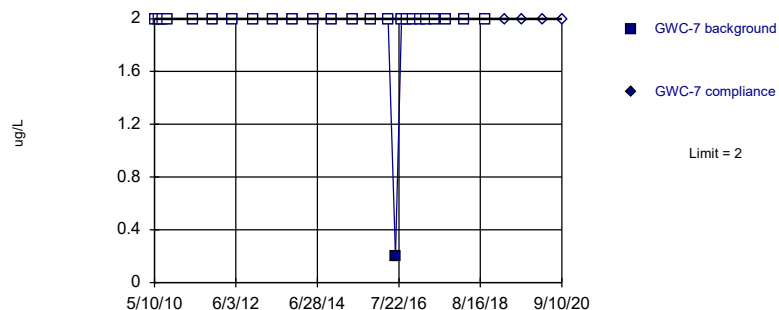
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



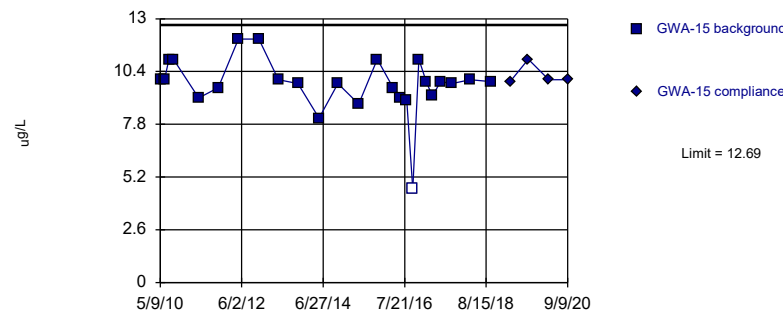
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=97.35, Std. Dev.=24.78, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

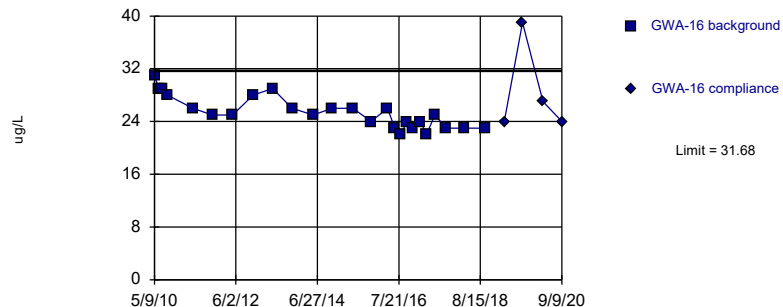


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Within Limit

**Prediction Limit**  
Intrawell Parametric



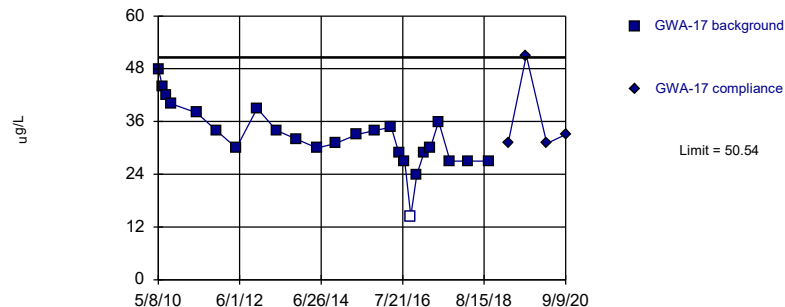
Background Data Summary: Mean=25.4, Std. Dev.=2.449, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9295, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



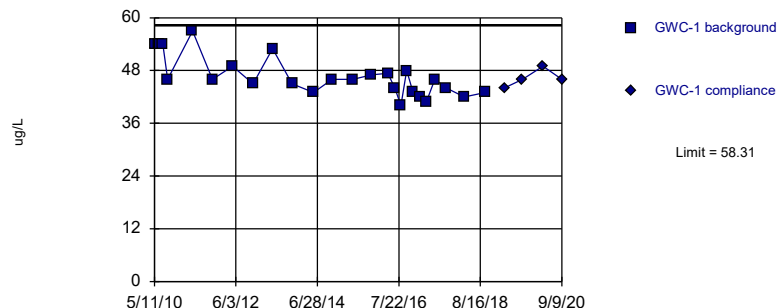
Background Data Summary: Mean=32.57, Std. Dev.=7.007, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9694, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



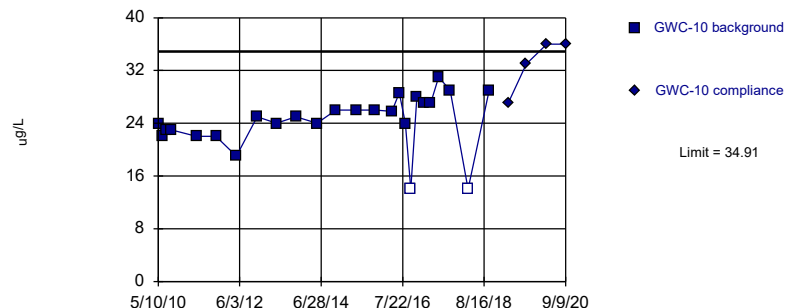
Background Data Summary: Mean=46.62, Std. Dev.=4.557, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=24.34, Std. Dev.=4.121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

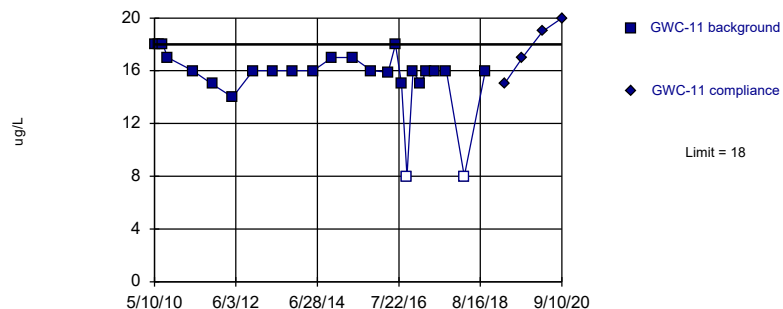
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



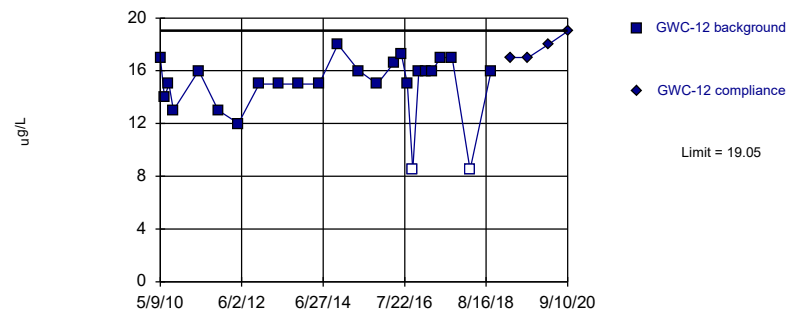
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 8% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



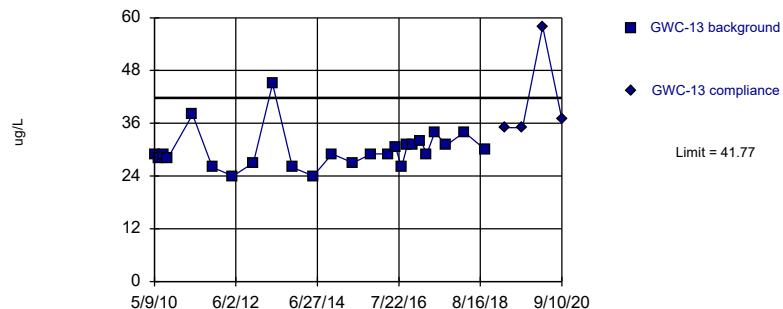
Background Data Summary (based on cube transformation): Mean=3545, Std. Dev.=1313, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



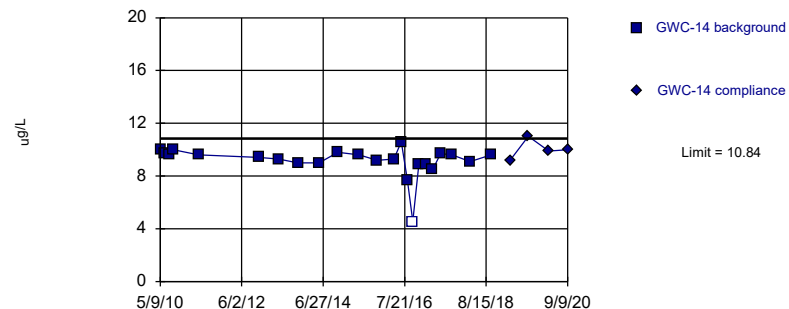
Background Data Summary (based on cube root transformation): Mean=3.096, Std. Dev.=0.1457, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=7548, Std. Dev.=2400, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9155, critical = 0.881. Kappa = 2.612 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

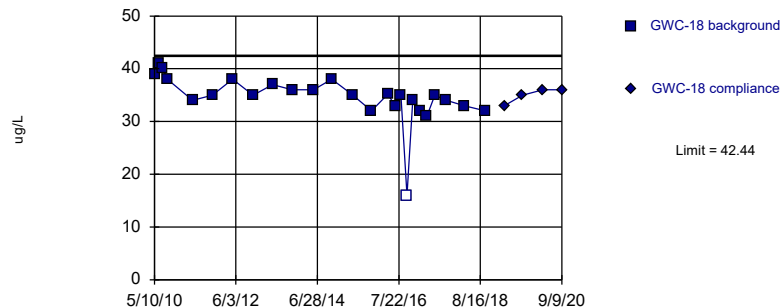
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



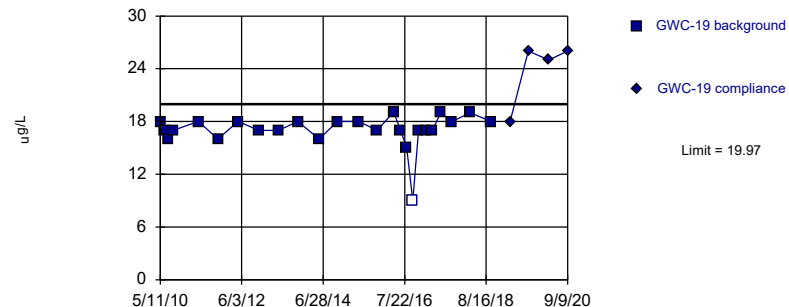
Background Data Summary (based on cube transformation): Mean=43231, Std. Dev.=12957, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit  
Intrawell Parametric



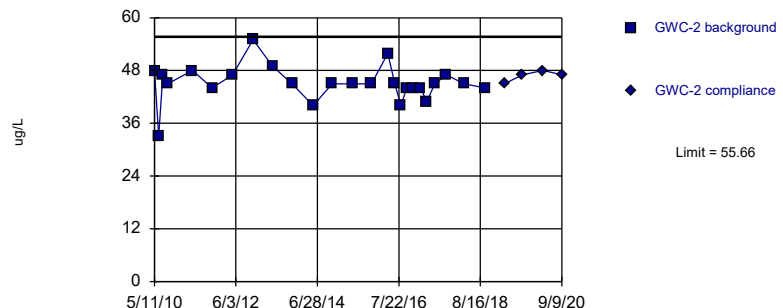
Background Data Summary (based on x^4 transformation): Mean=89561, Std. Dev.=27067, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit  
Intrawell Parametric



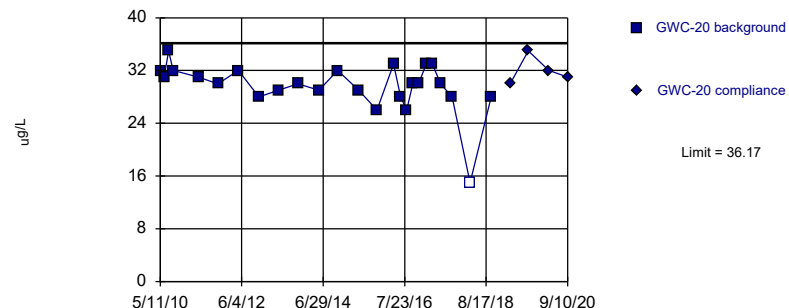
Background Data Summary: Mean=45.08, Std. Dev.=4.125, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9031, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=27034, Std. Dev.=7901, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

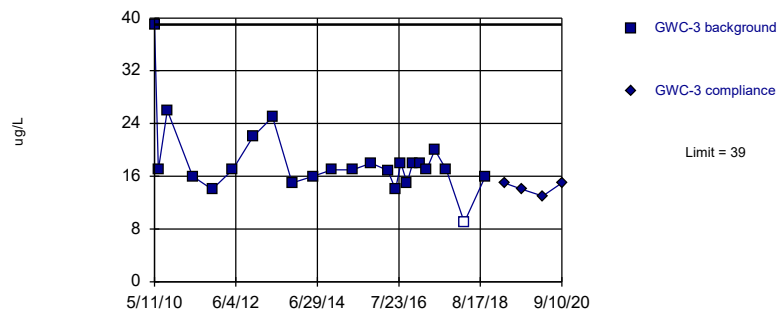
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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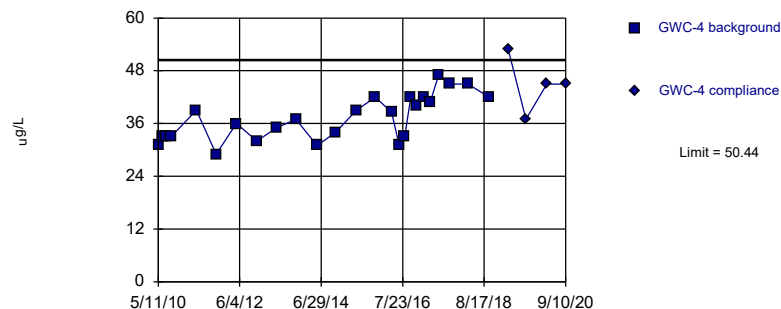
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

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. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=37.22, Std. Dev.=5.153, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

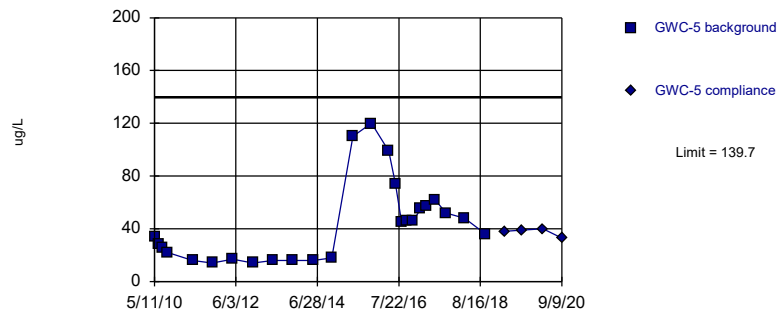
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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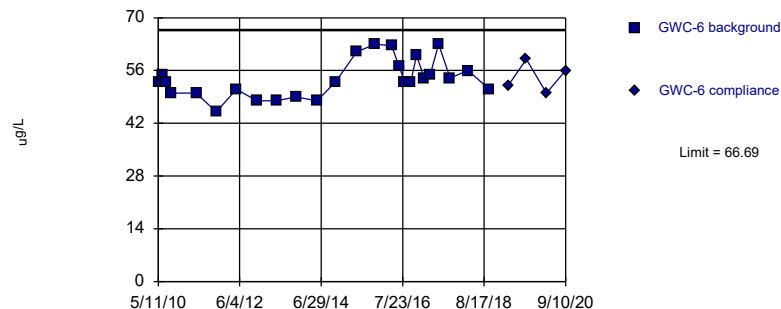
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=6.24, Std. Dev.=2.174, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9047, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=53.82, Std. Dev.=5.017, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

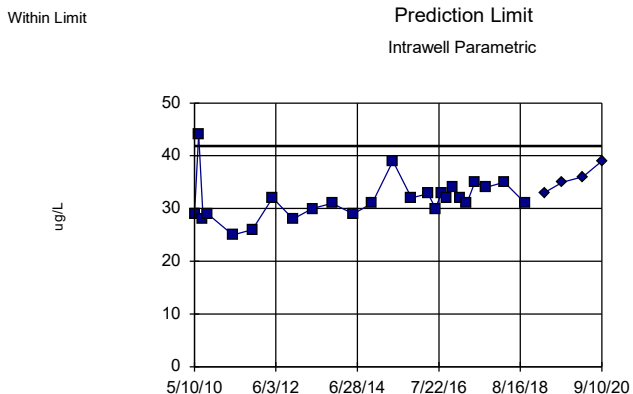
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

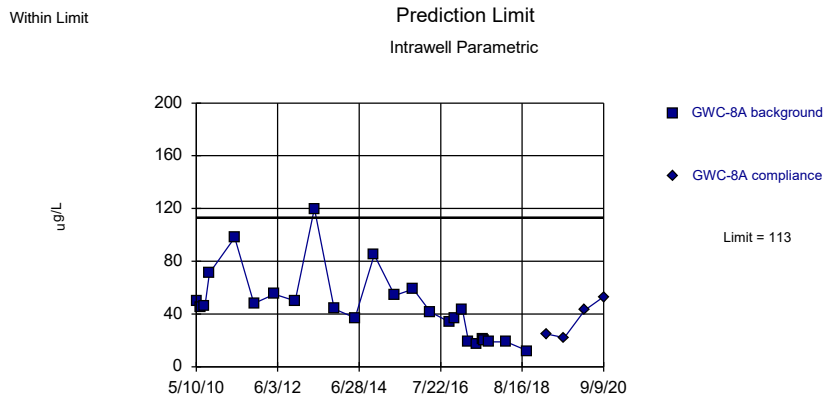
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Background Data Summary: Mean=31.71, Std. Dev.=3.951, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9138, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.



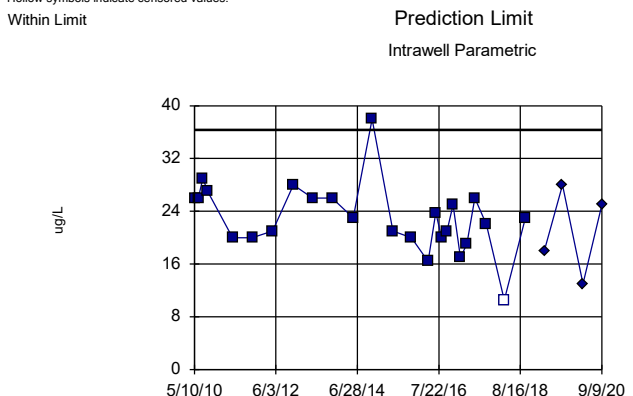
Background Data Summary: Mean=45.78, Std. Dev.=26.22, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

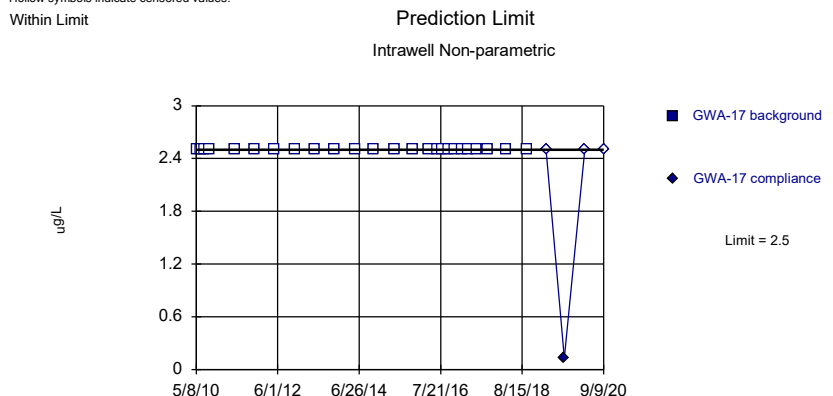
Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Background Data Summary: Mean=22.99, Std. Dev.=5.214, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Barium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

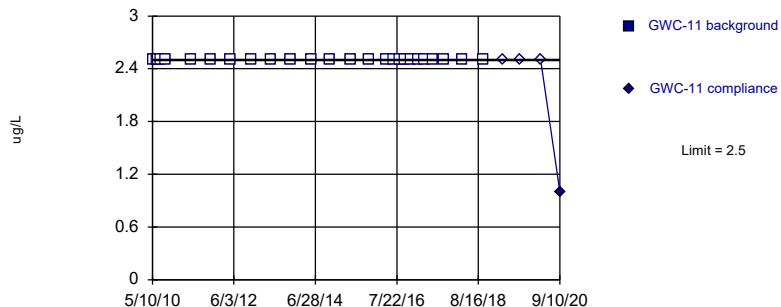
Constituent: Cadmium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



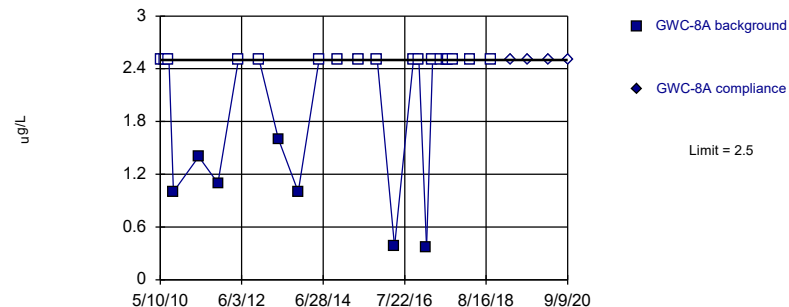
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cadmium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



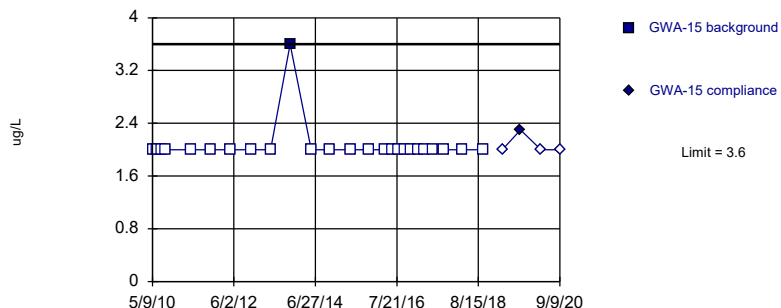
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cadmium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



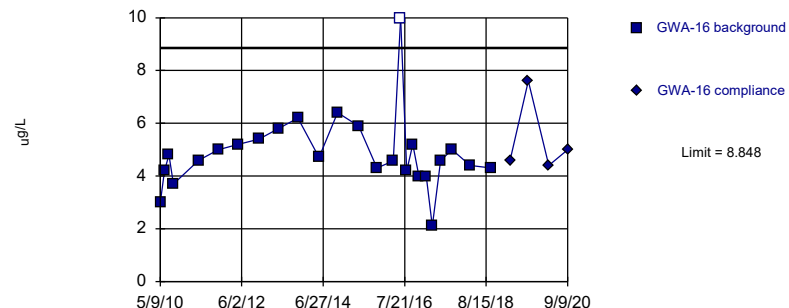
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

Prediction Limit  
Intrawell Parametric



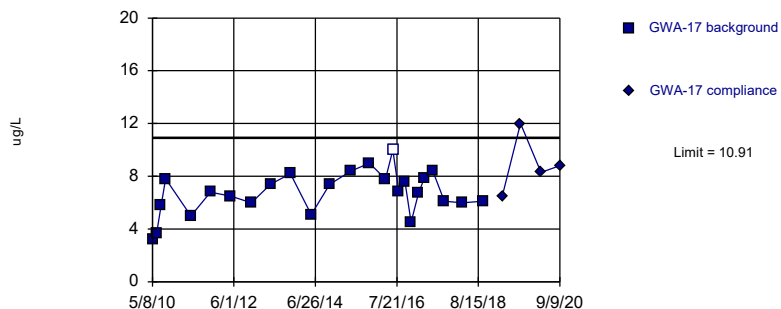
Background Data Summary (based on square root transformation): Mean=2.184, Std. Dev.=0.3081, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit Prediction Limit  
Intrawell Parametric

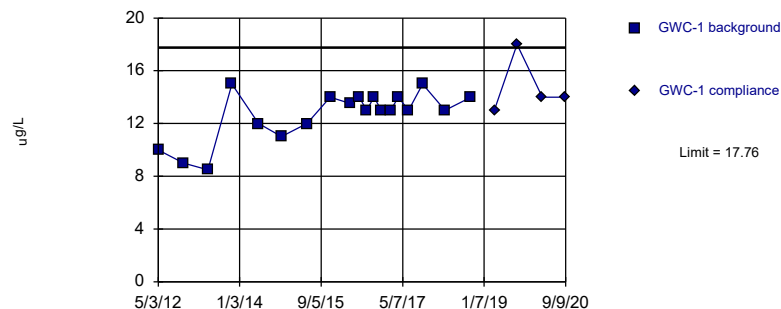


Background Data Summary: Mean=6.728, Std. Dev.=1.632, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric

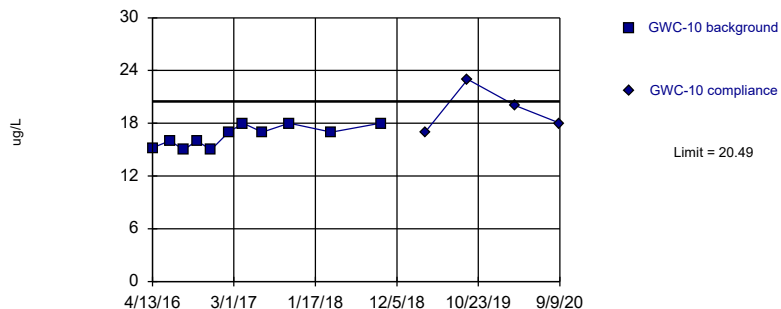


Background Data Summary: Mean=12.68, Std. Dev.=1.865, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.863. Kappa = 2.723 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit Prediction Limit  
Intrawell Parametric

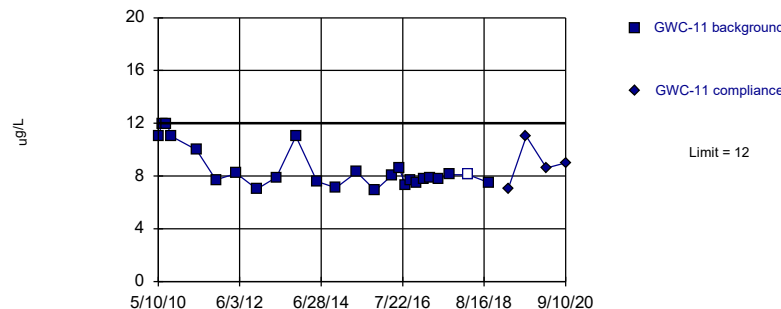


Background Data Summary: Mean=16.56, Std. Dev.=1.189, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8759, critical = 0.792. Kappa = 3.301 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

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 25 background values. 4% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

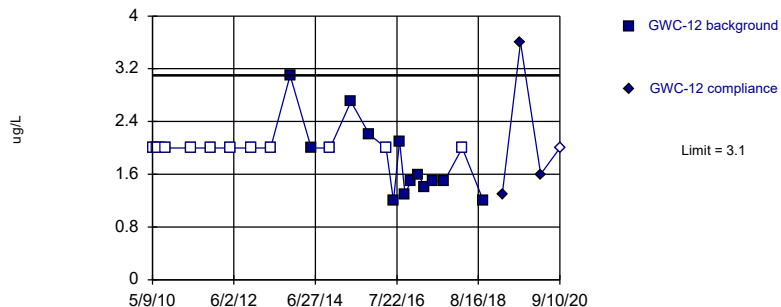
Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



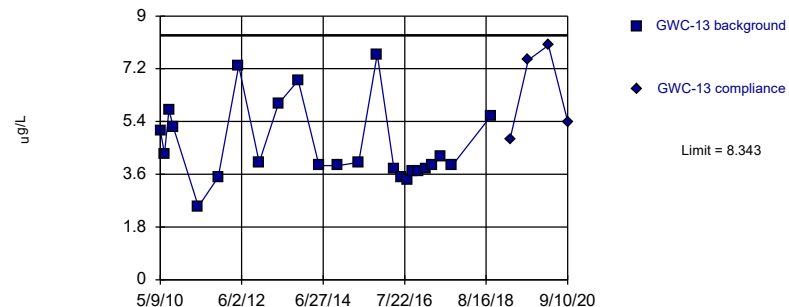
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 44% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Parametric



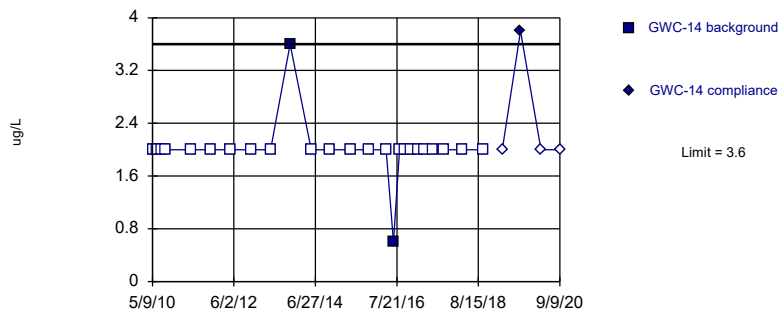
Background Data Summary (based on square root transformation): Mean=2.116, Std. Dev.=0.2984, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.589 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



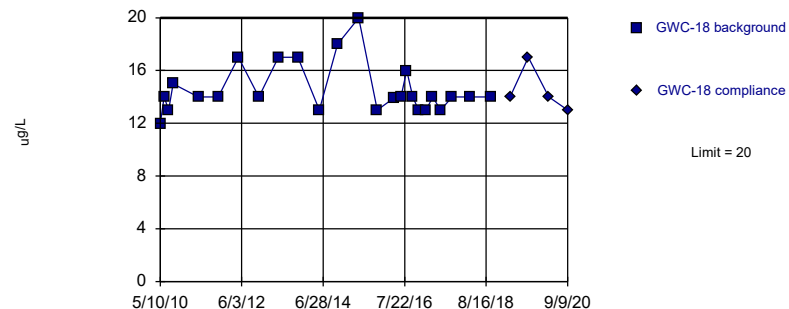
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

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 25 background values. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

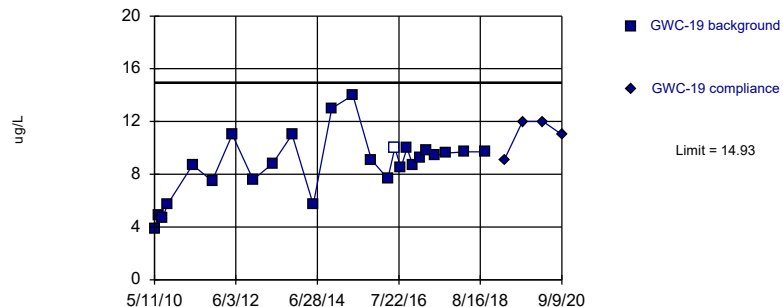
Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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Within Limit Prediction Limit  
Intrawell Parametric

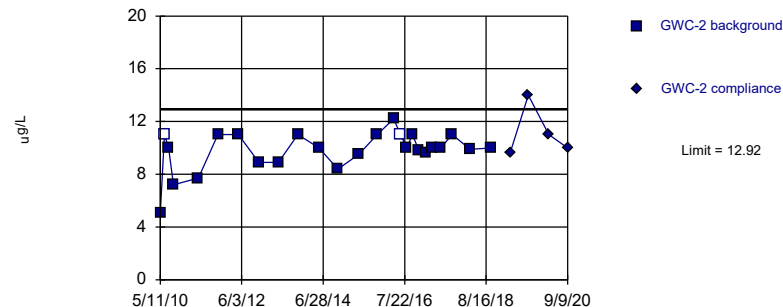


Background Data Summary: Mean=8.719, Std. Dev.=2.422, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9534, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric

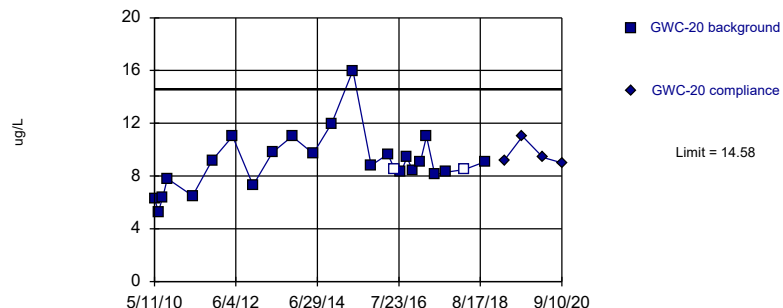


Background Data Summary (based on square transformation): Mean=98.38, Std. Dev.=26.78, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric

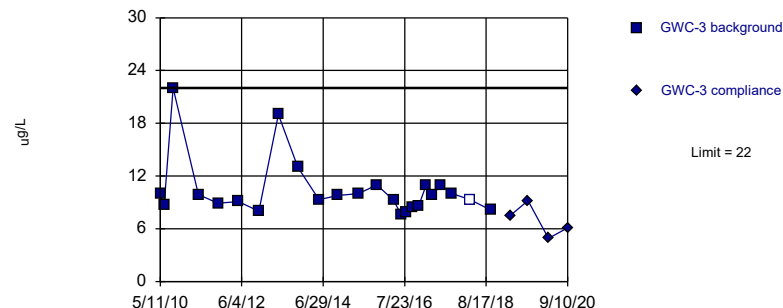


Background Data Summary: Mean=9.018, Std. Dev.=2.168, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric



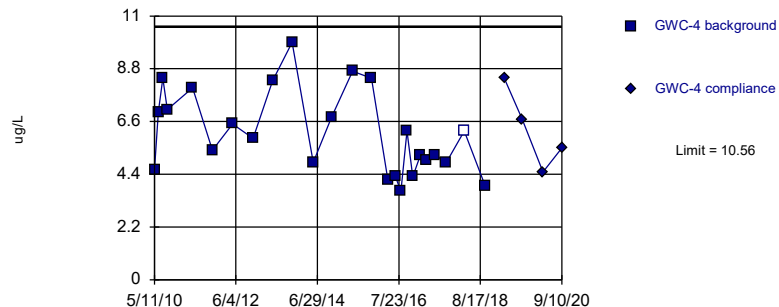
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric

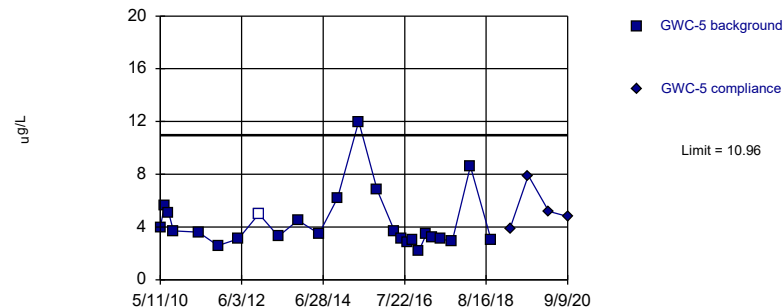


Background Data Summary: Mean=6.12, Std. Dev.=1.731, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric

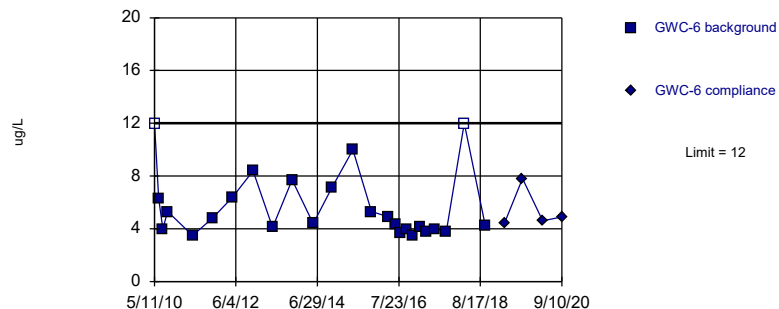


Background Data Summary (based on natural log transformation): Mean=1.377, Std. Dev.=0.3969, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8968, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

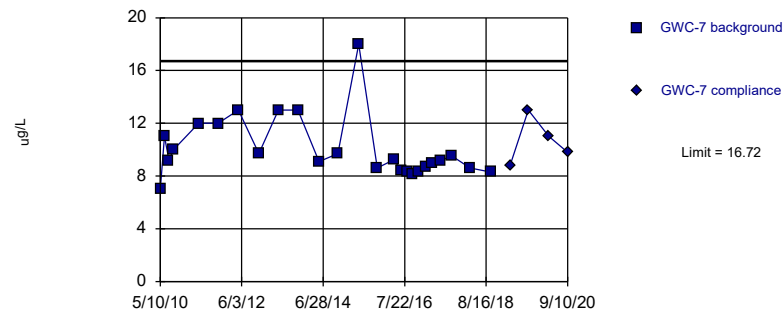


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 8% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.284, Std. Dev.=0.2076, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

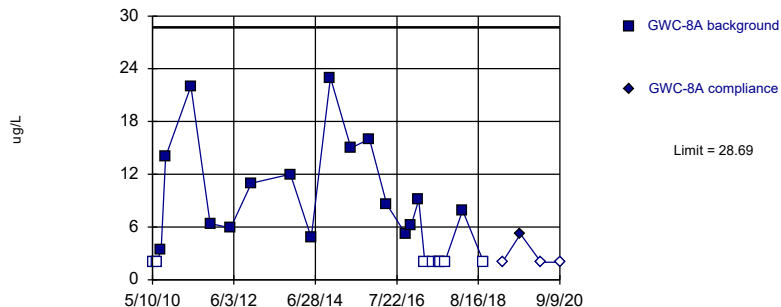
Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



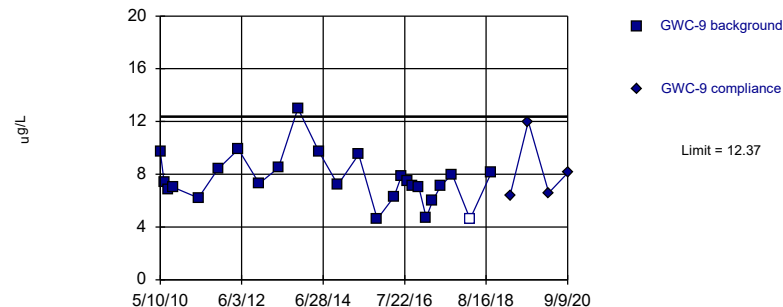
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=2.572, Std. Dev.=1.076, n=24, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8907, critical = 0.884. Kappa = 2.589 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



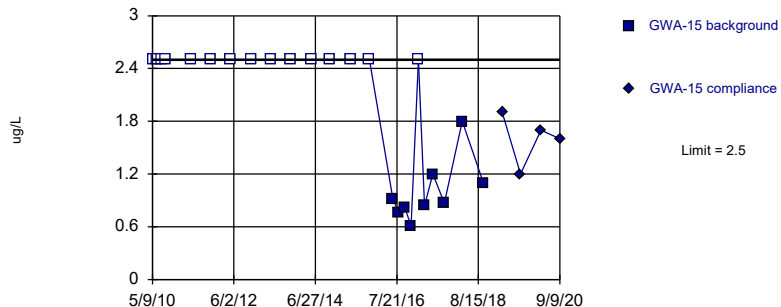
Background Data Summary: Mean=7.579, Std. Dev.=1.867, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



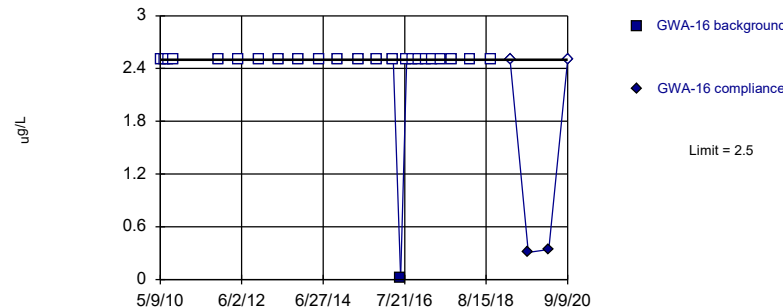
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

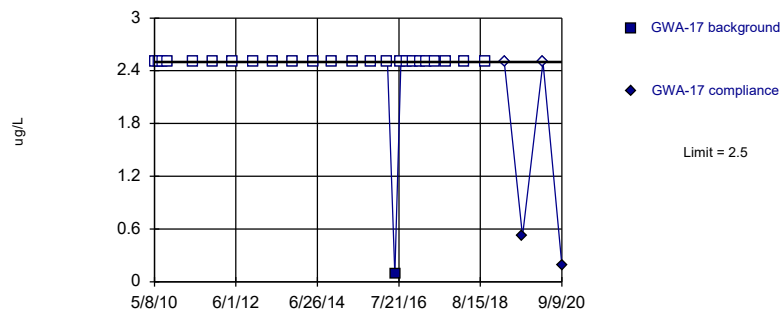
Constituent: Cobalt, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



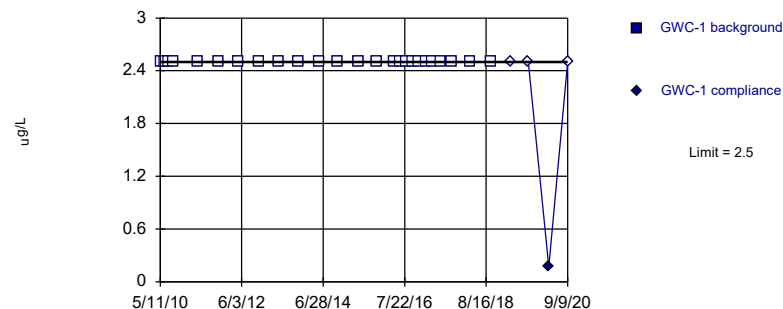
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



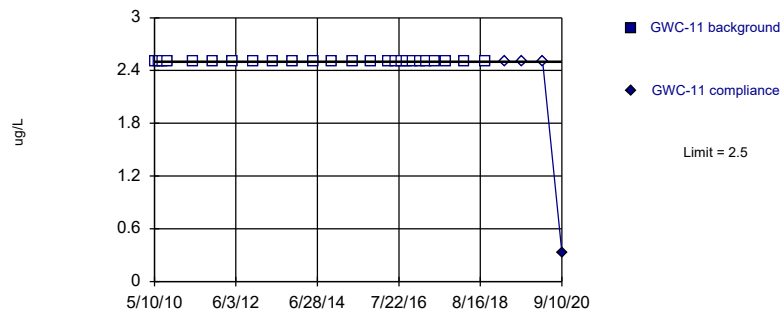
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



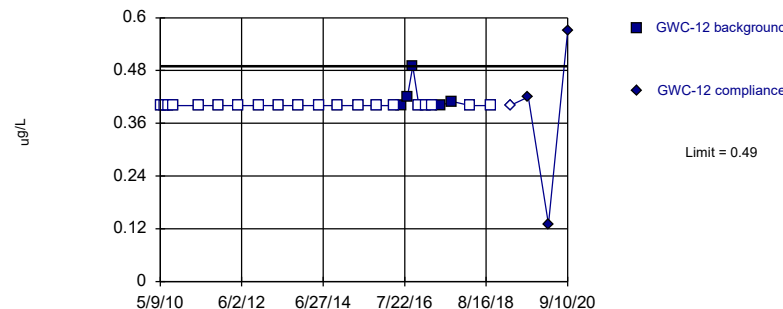
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:13 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

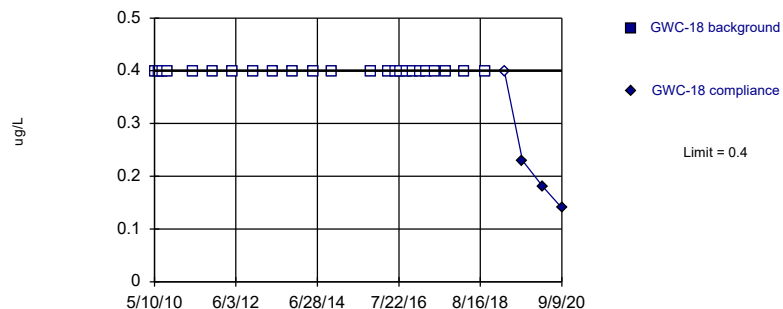
Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



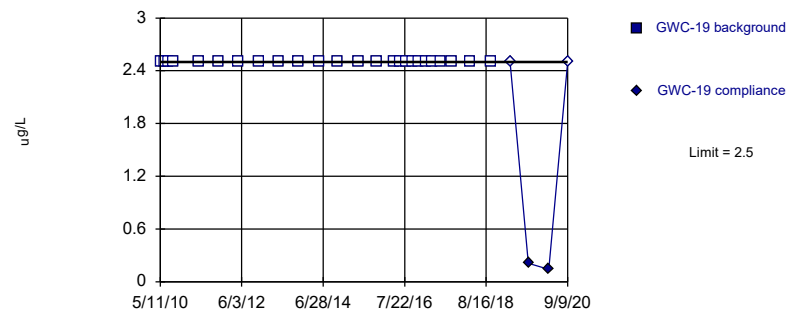
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



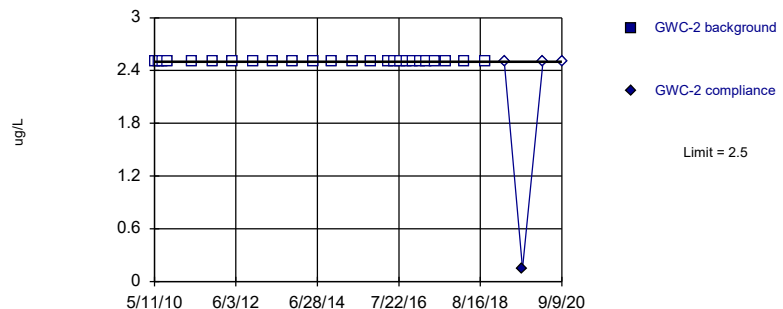
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



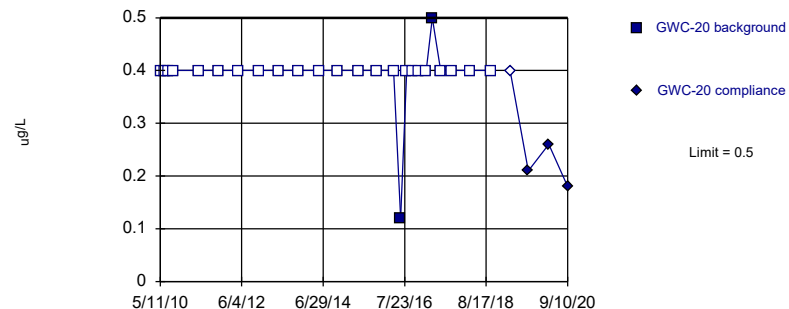
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

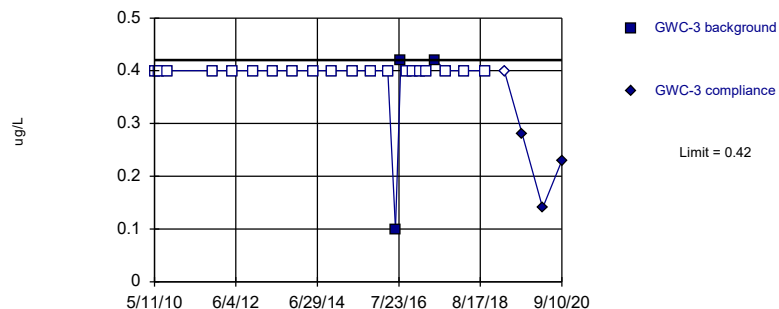
Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



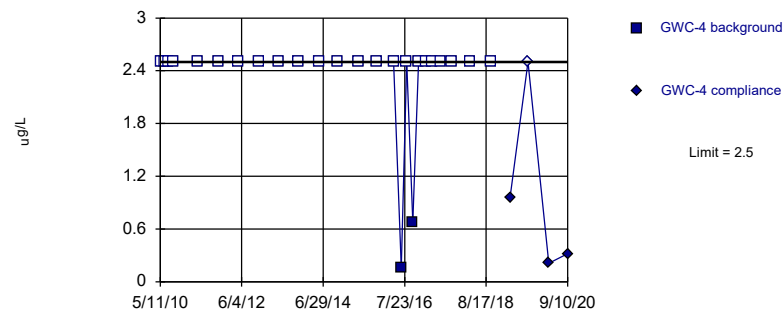
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



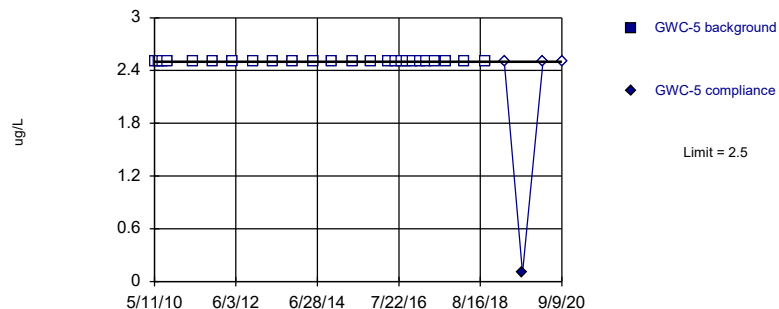
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



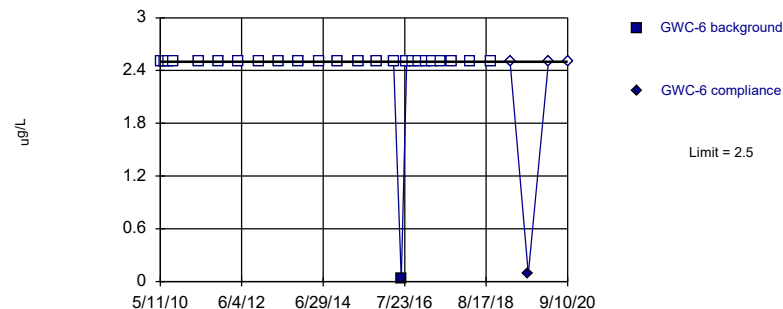
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

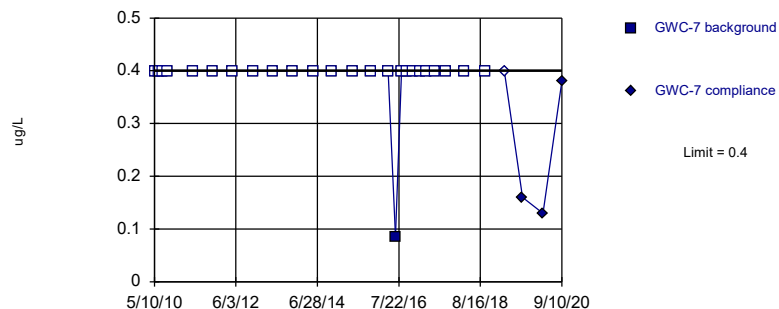
Constituent: Cobalt, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



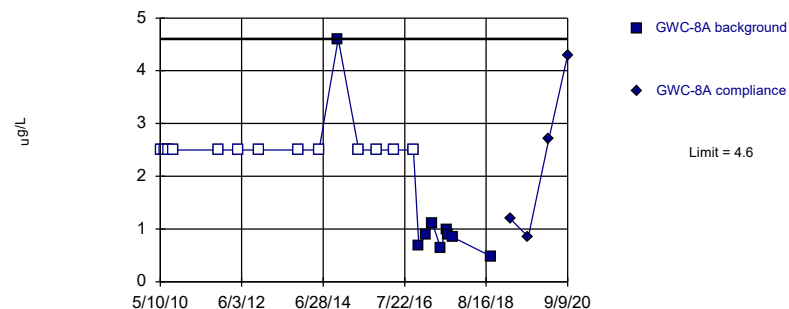
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/22/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



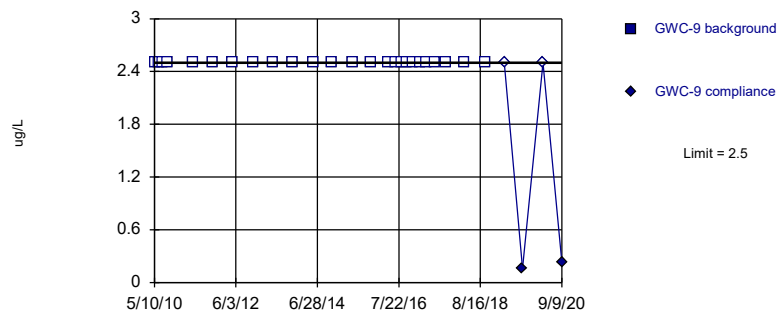
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/22/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



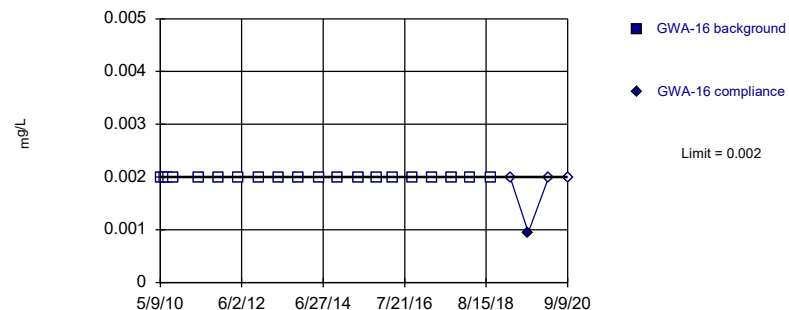
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/22/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



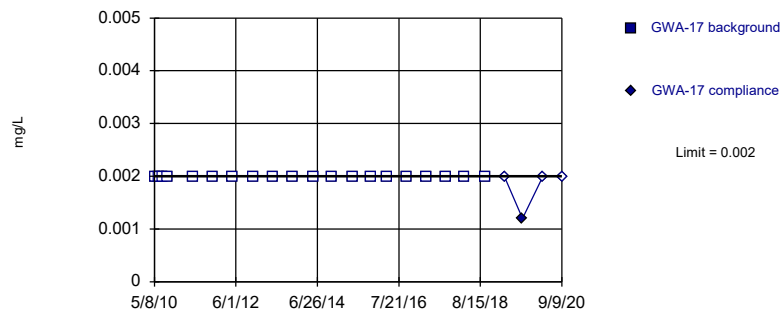
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/22/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit  
Prediction Limit  
Intrawell Non-parametric

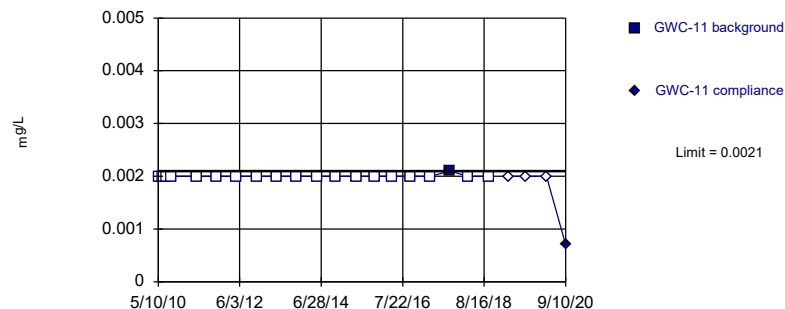


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit  
Prediction Limit  
Intrawell Non-parametric

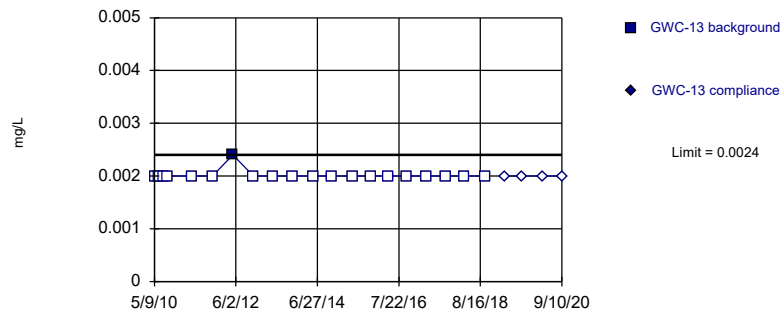


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit  
Prediction Limit  
Intrawell Non-parametric

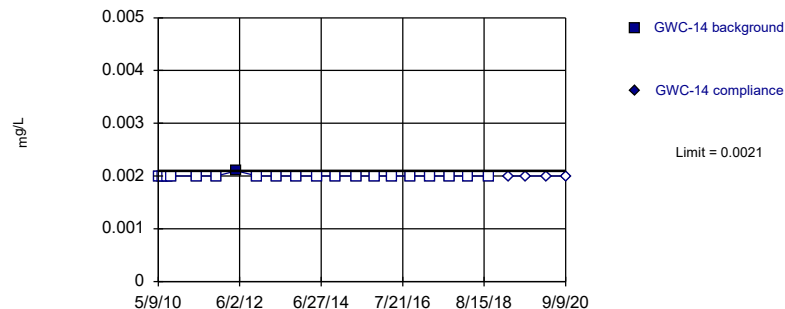


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

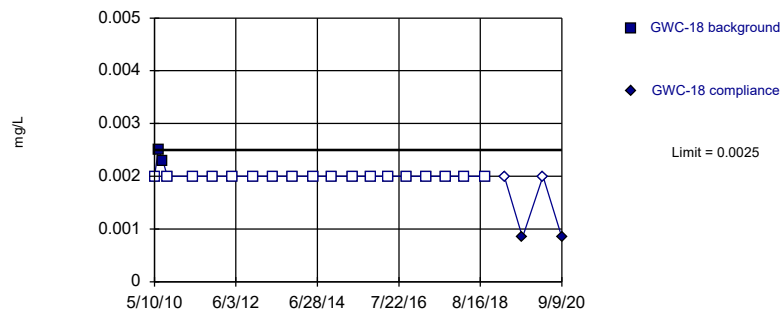


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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



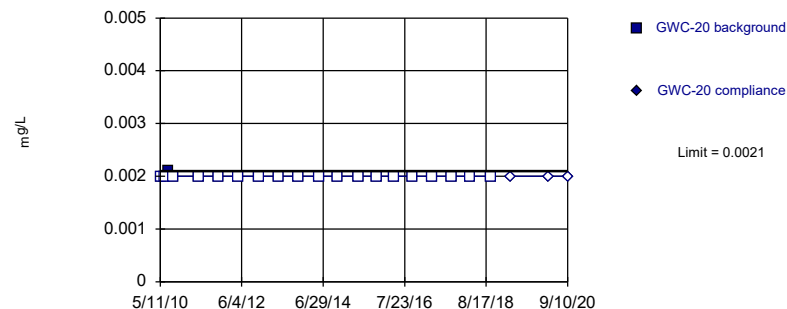
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



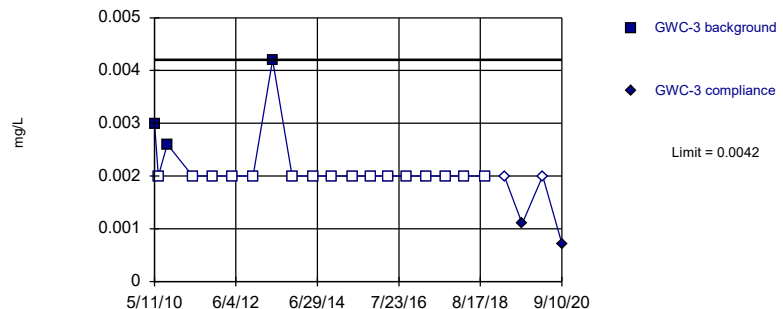
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



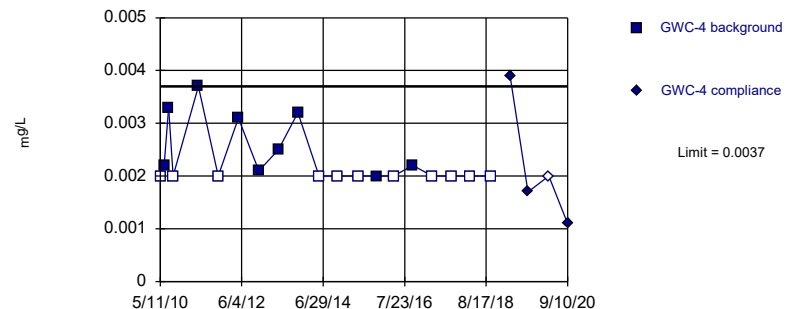
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

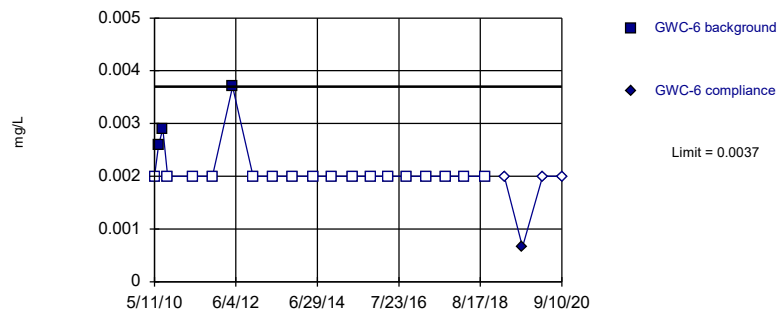
Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



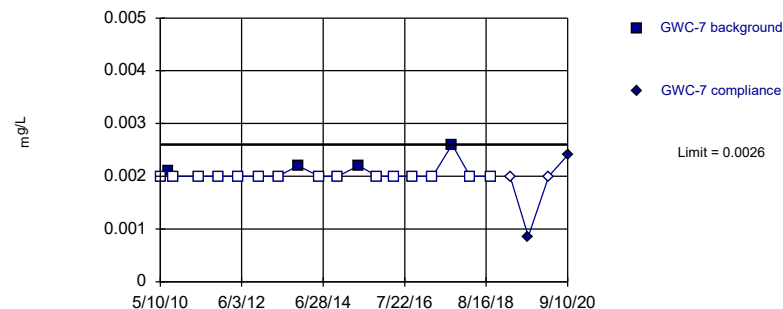
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



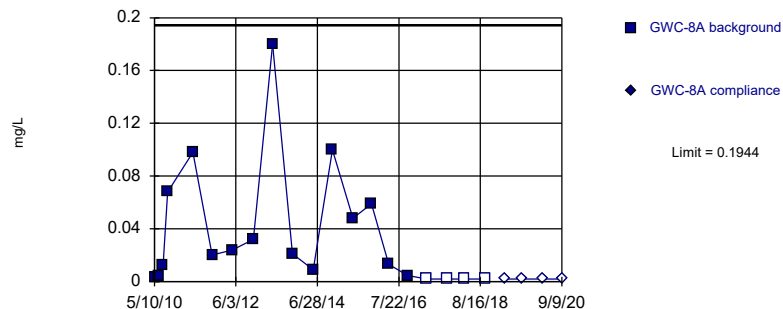
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



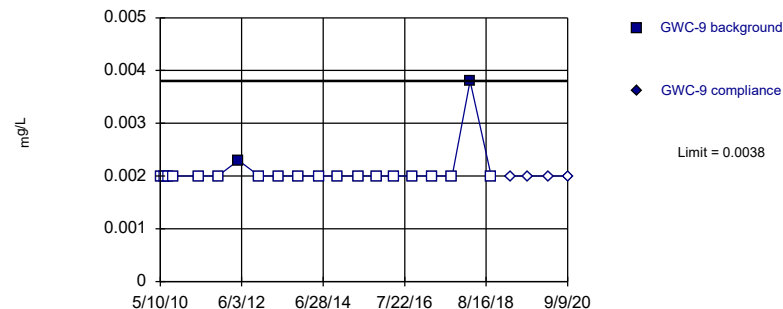
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1545, Std. Dev.=0.1068, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

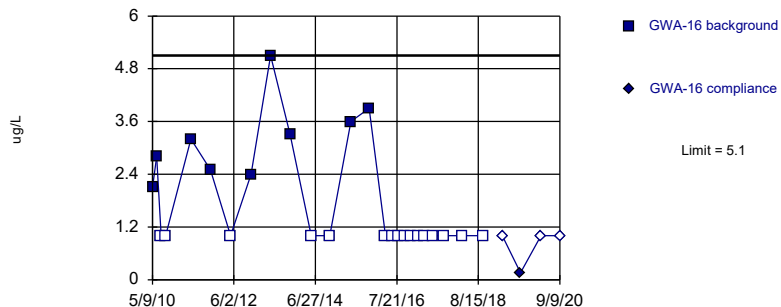
Constituent: Copper Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



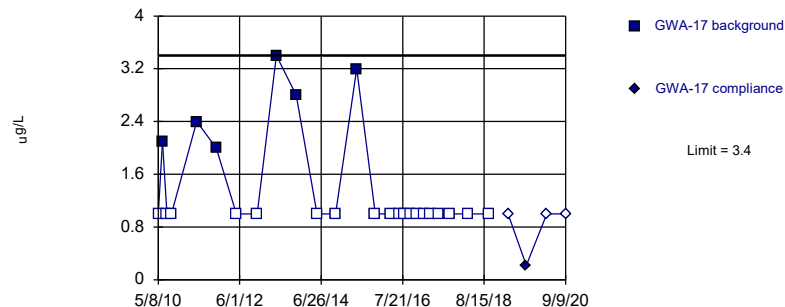
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



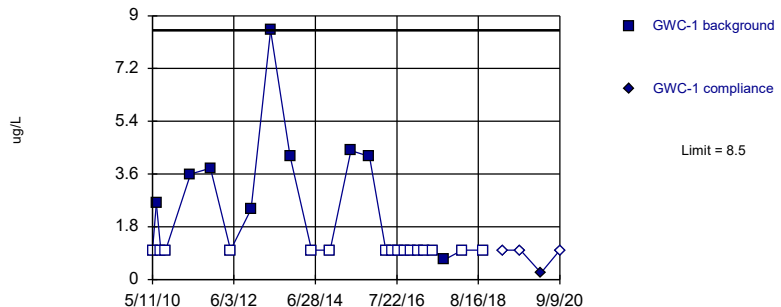
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



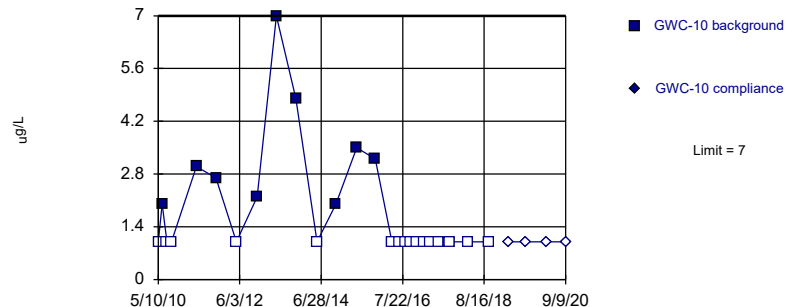
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

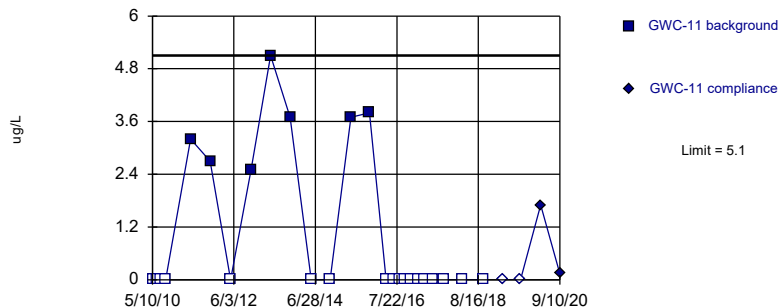
Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

Prediction Limit  
Intrawell Non-parametric



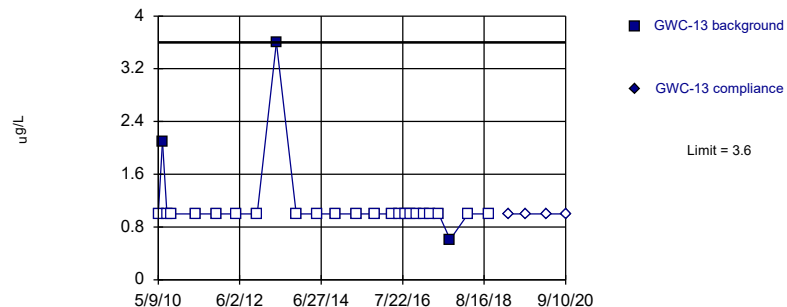
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



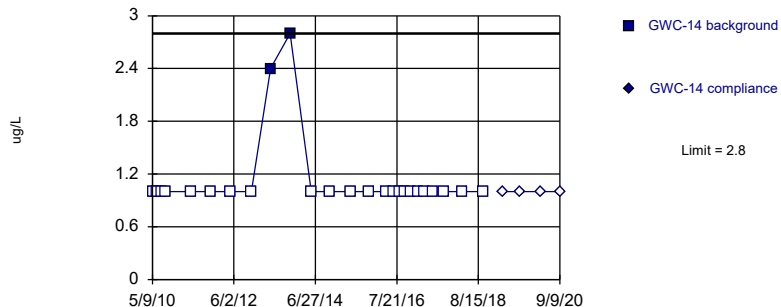
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



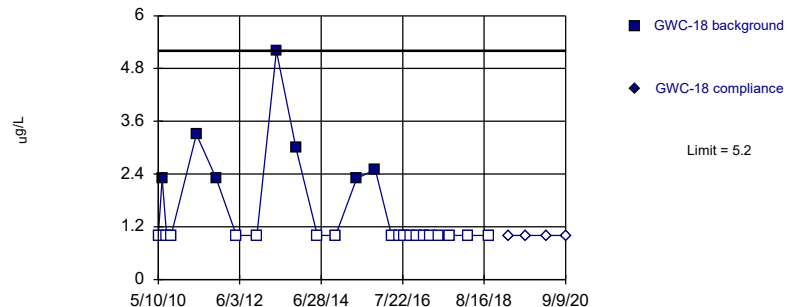
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

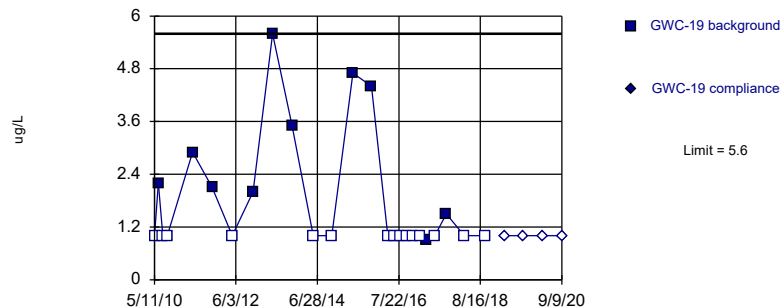
Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



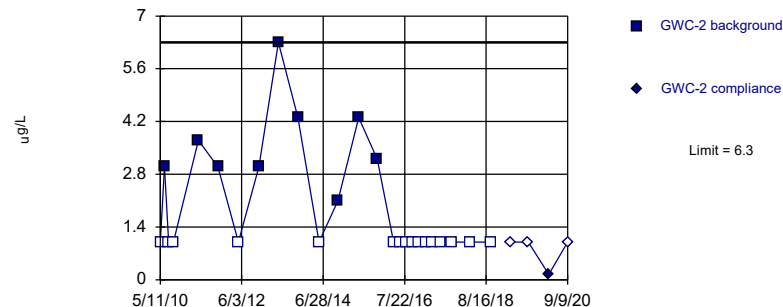
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 60% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



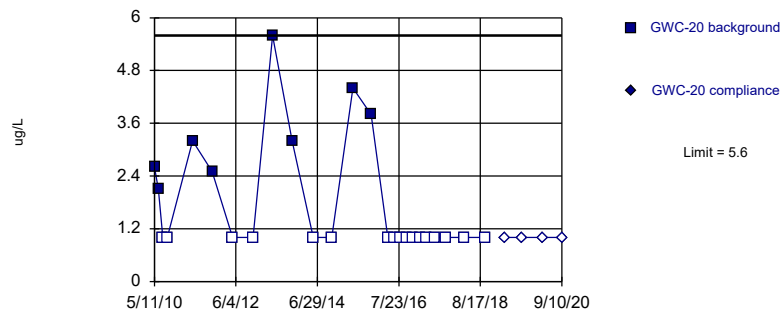
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



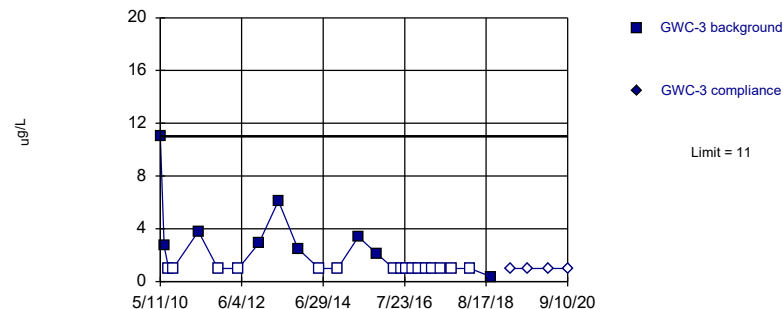
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



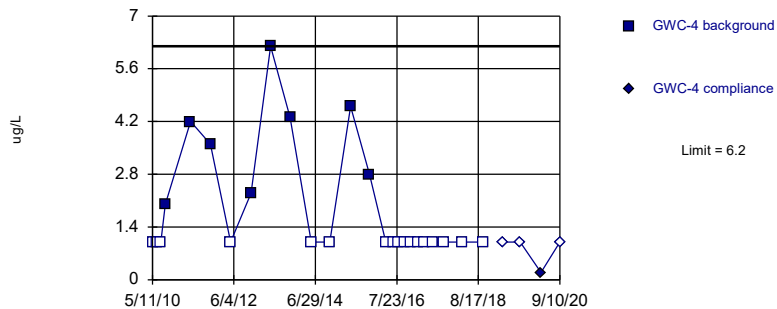
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit  
Prediction Limit  
Intrawell Non-parametric

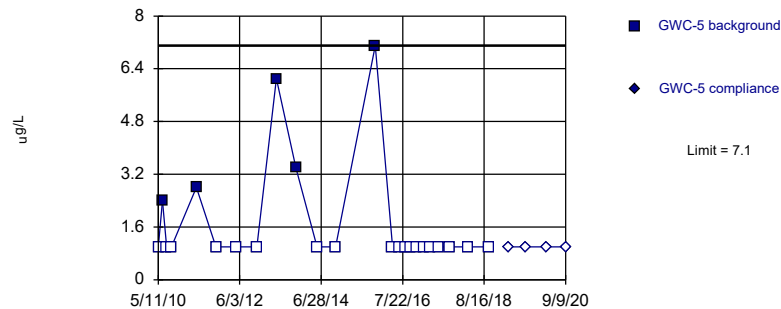


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit  
Prediction Limit  
Intrawell Non-parametric

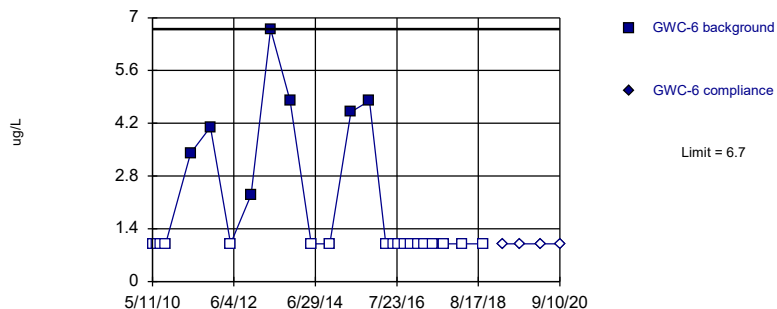


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit  
Prediction Limit  
Intrawell Non-parametric

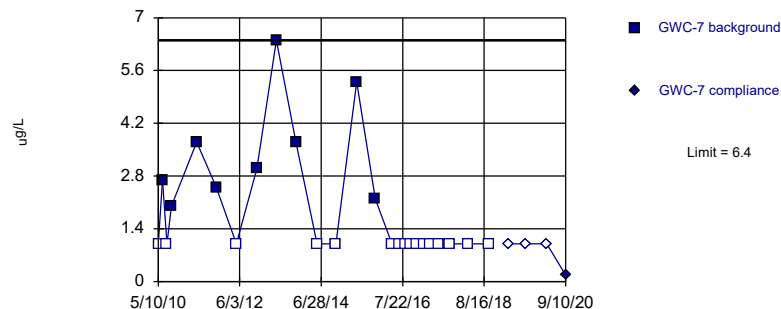


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

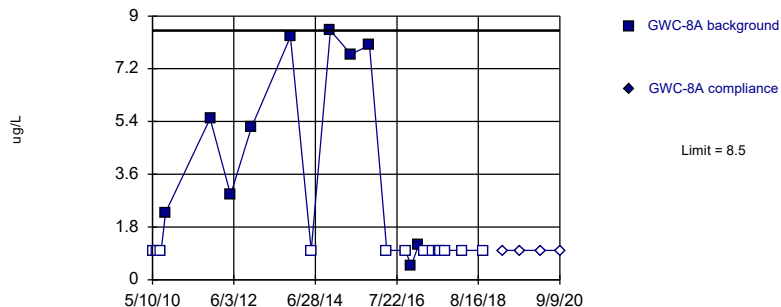
Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



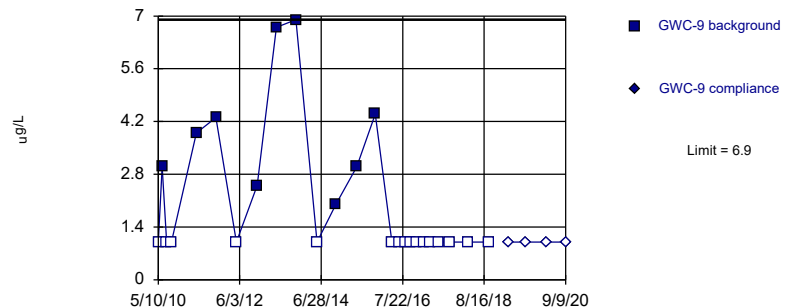
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



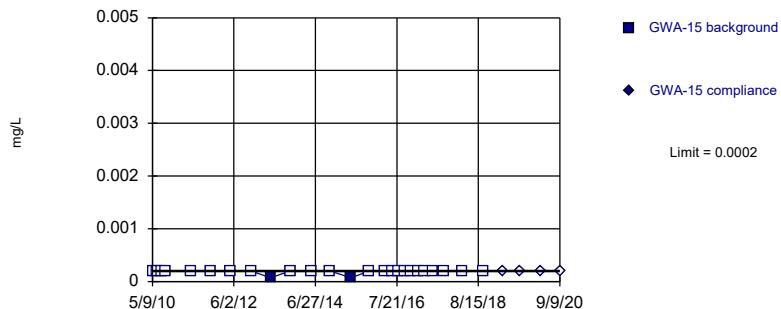
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



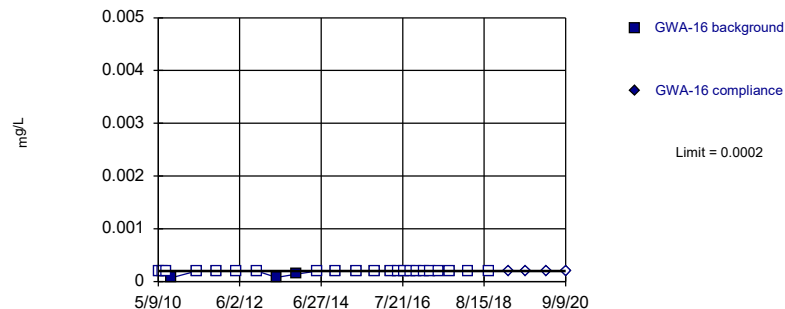
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



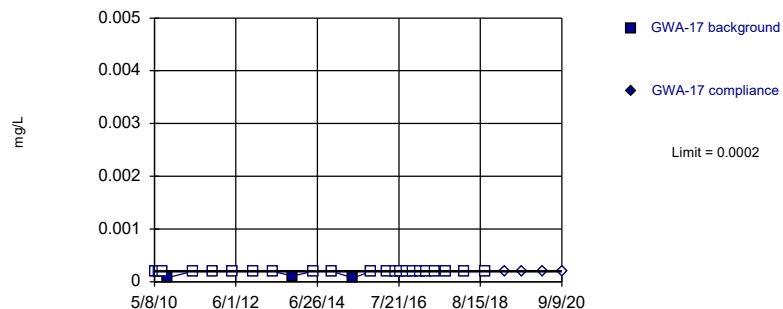
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

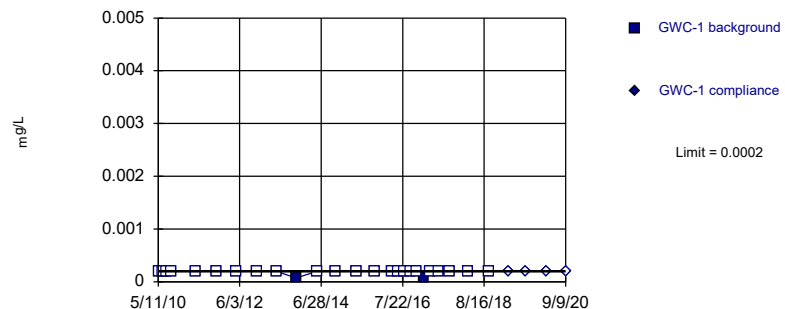


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

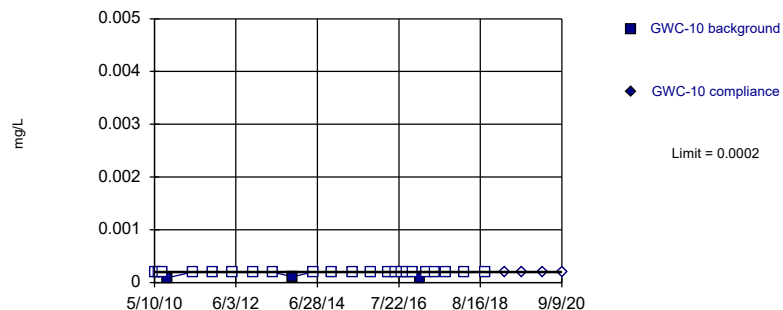


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit Prediction Limit  
Intrawell Non-parametric

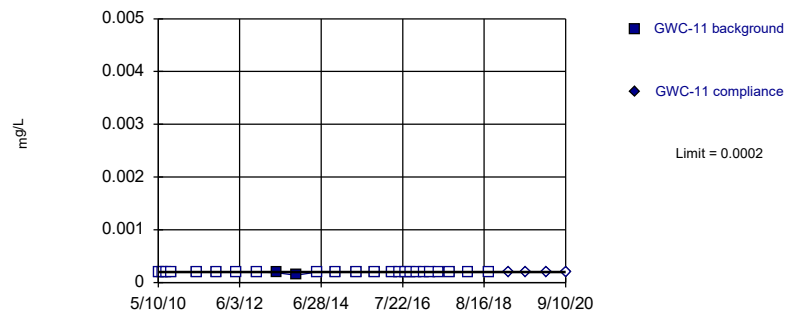


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

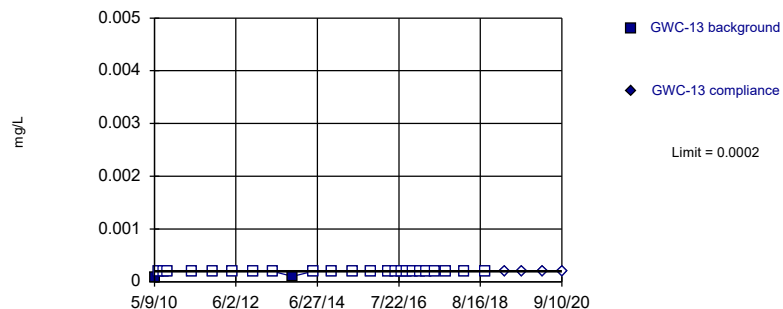
Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

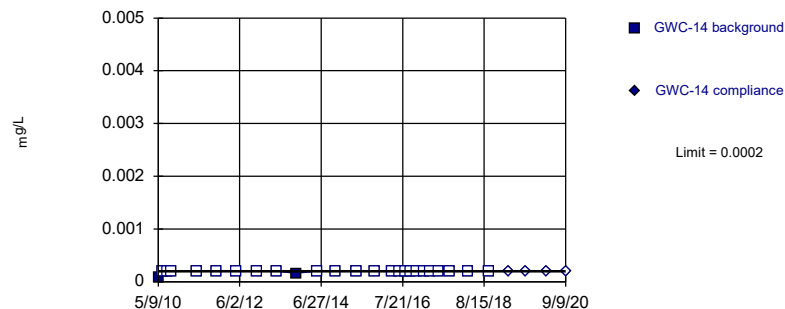


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

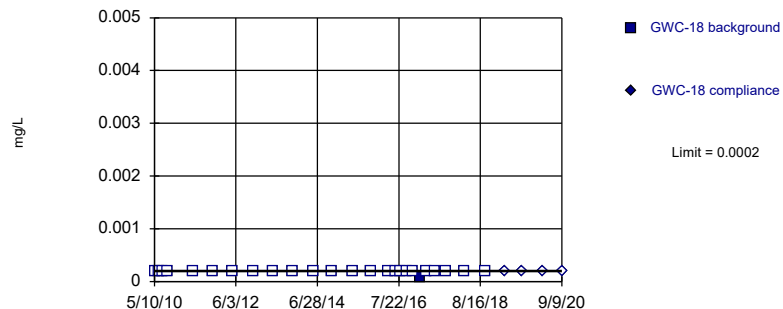


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

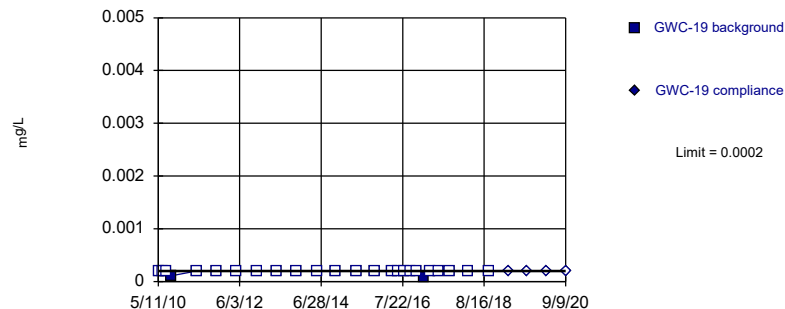


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit Prediction Limit  
Intrawell Non-parametric



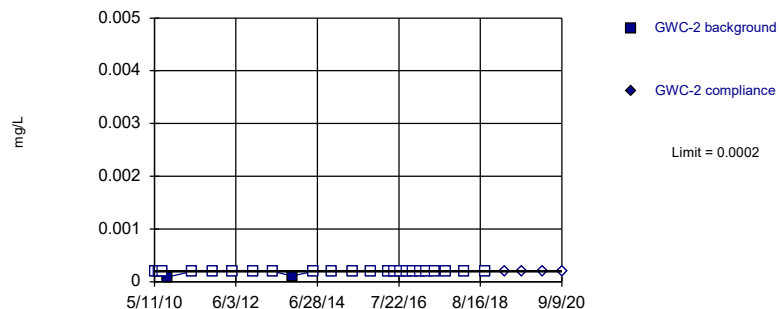
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

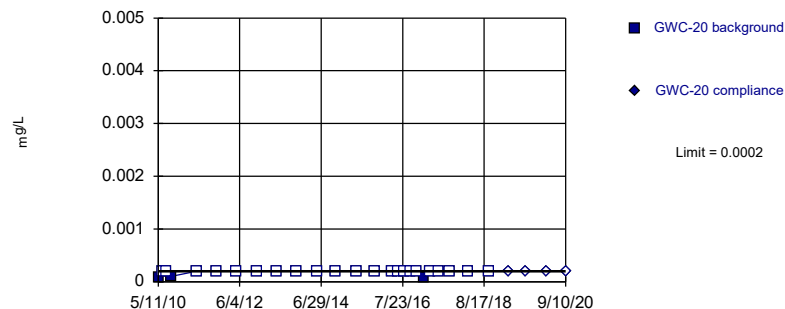


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

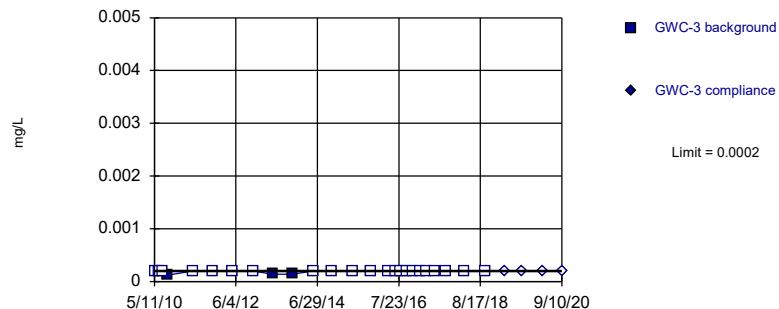


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

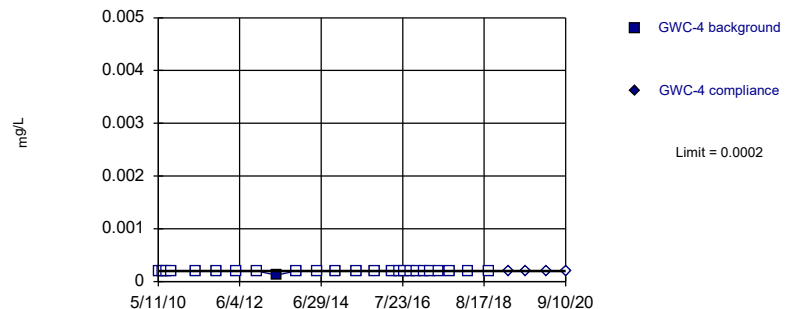


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric



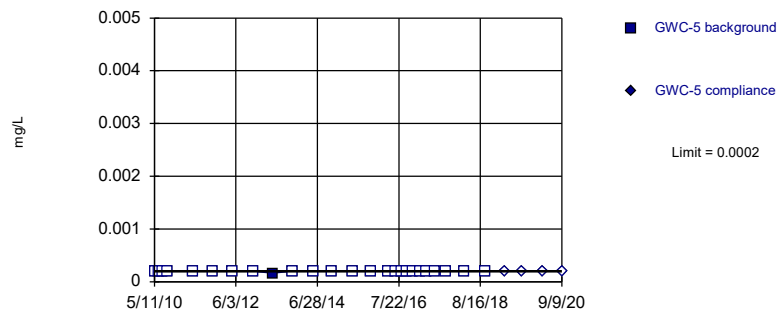
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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Within Limit Prediction Limit  
Intrawell Non-parametric

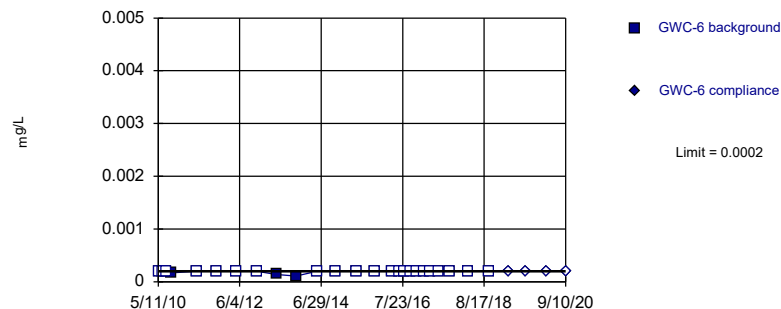


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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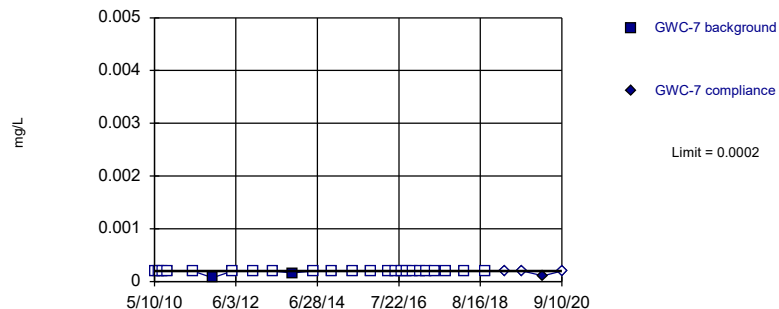


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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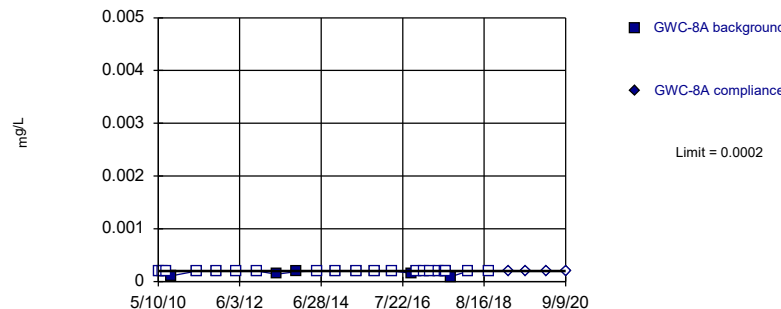


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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Within Limit Prediction Limit  
Intrawell Non-parametric



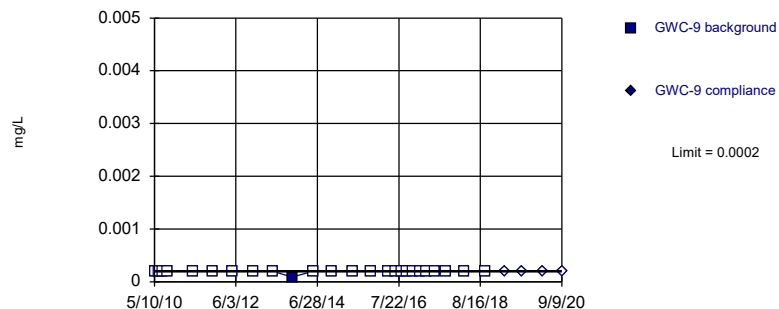
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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Within Limit Prediction Limit  
Intrawell Non-parametric

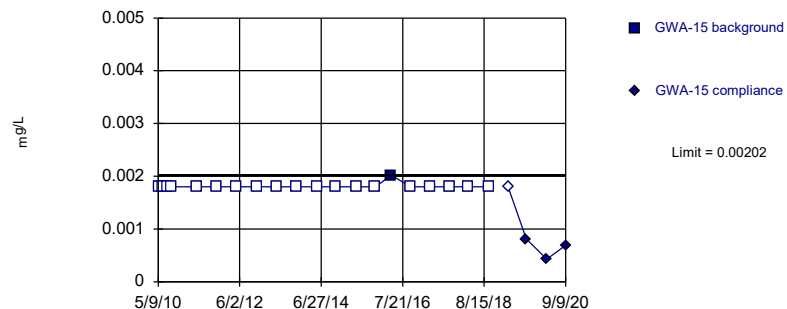


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

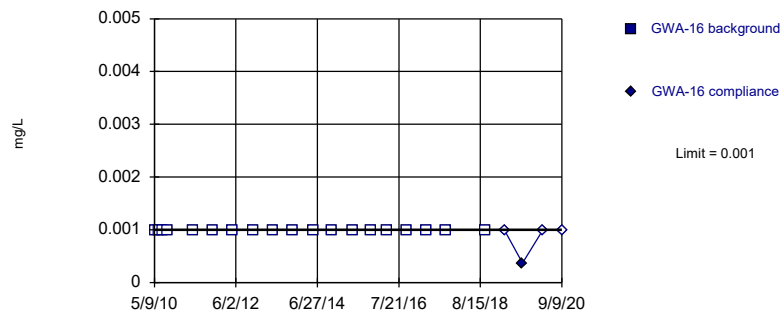


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

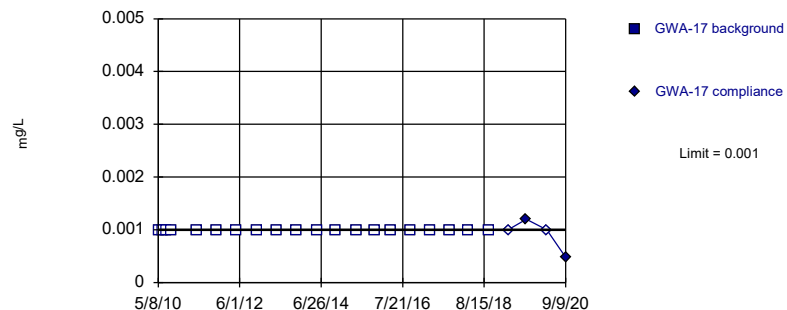


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

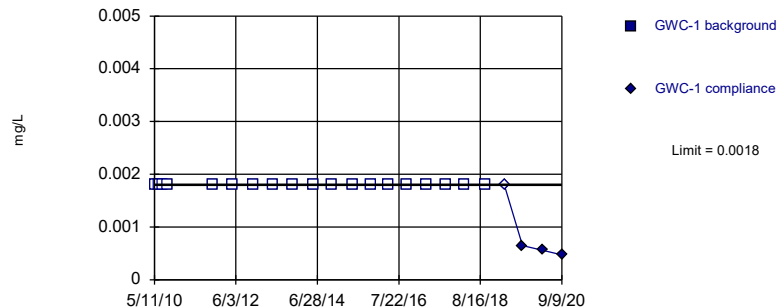
Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



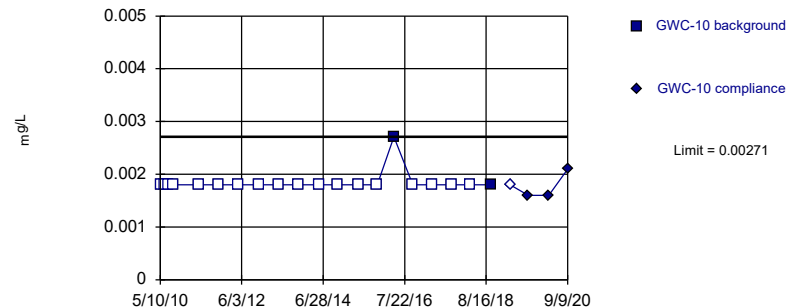
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



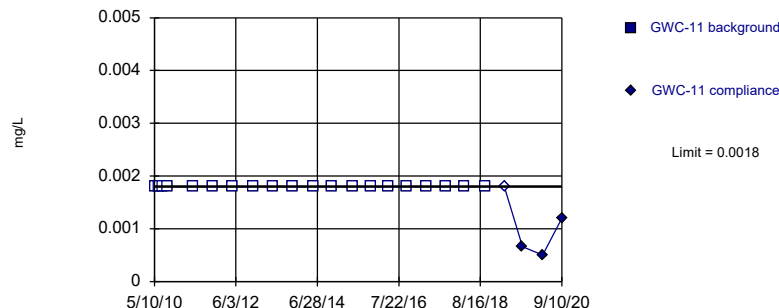
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



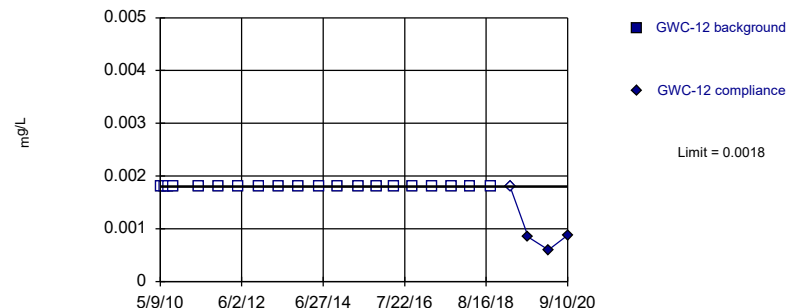
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



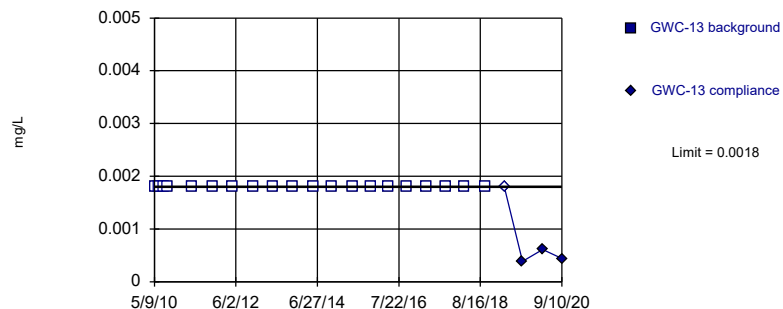
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit Prediction Limit  
Intrawell Non-parametric

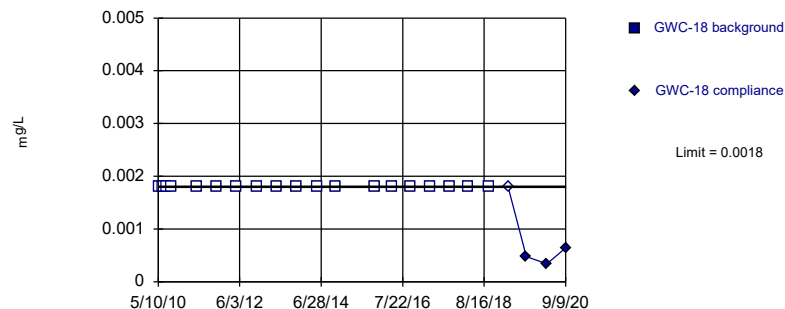


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Within Limit Prediction Limit  
Intrawell Non-parametric

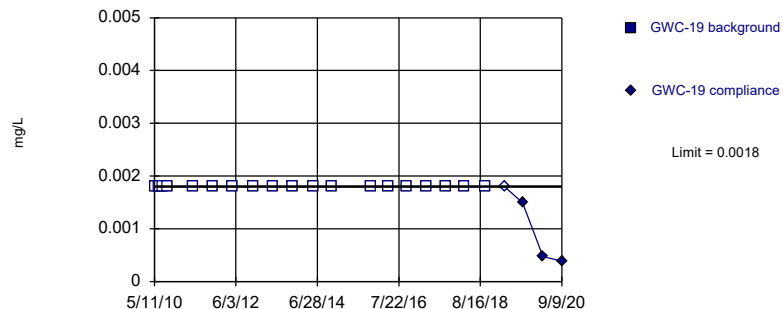


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit Prediction Limit  
Intrawell Non-parametric

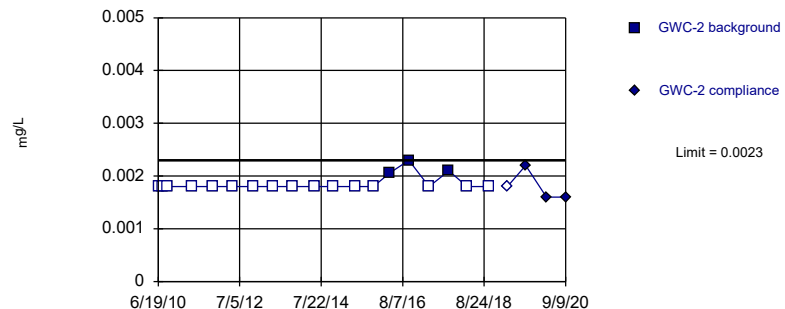


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

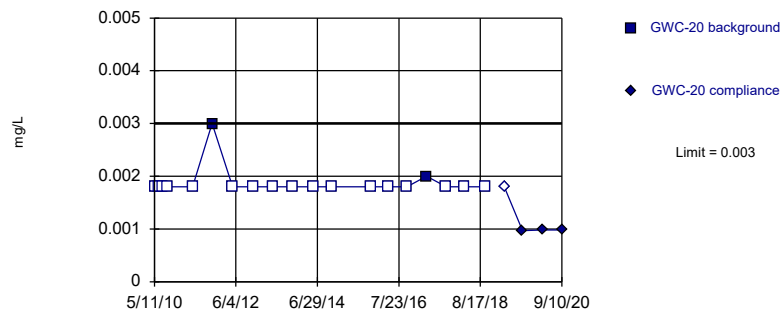
Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



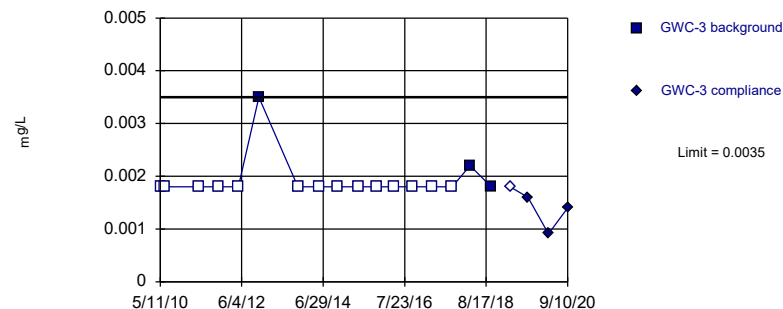
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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



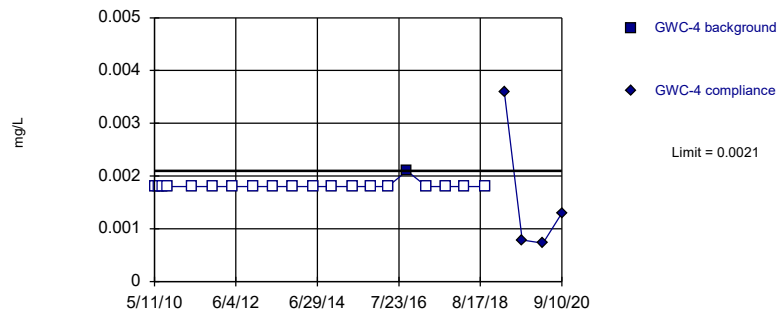
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



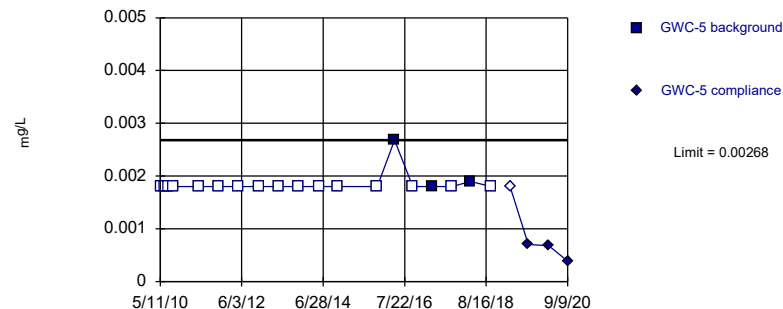
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Within Limit

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Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

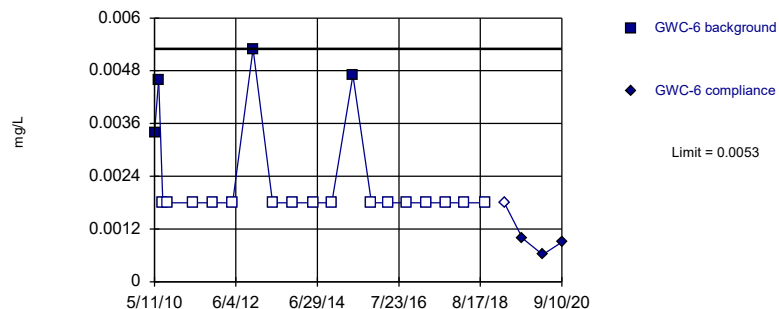
Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



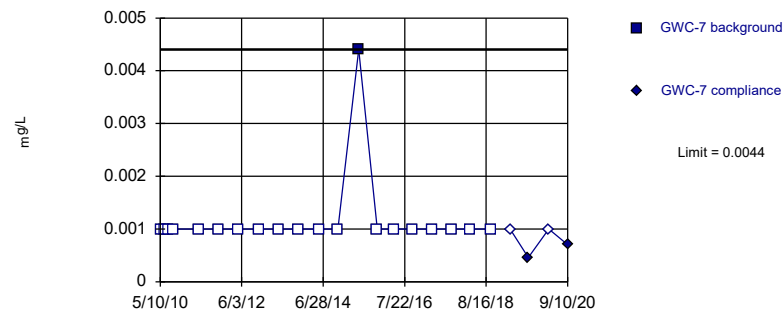
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Within Limit

**Prediction Limit**  
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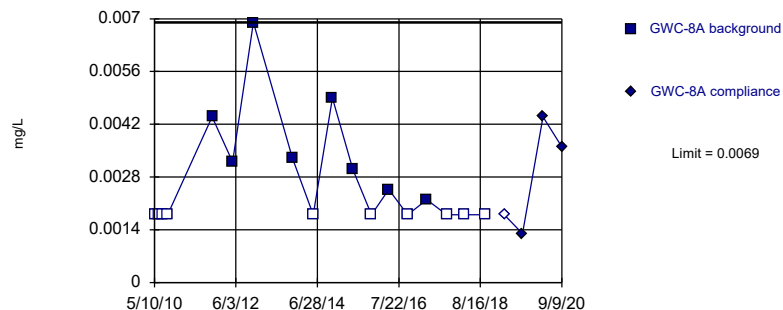
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Within Limit

**Prediction Limit**  
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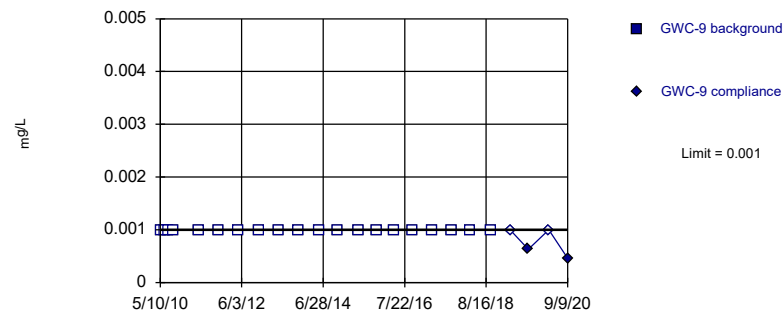
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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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%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

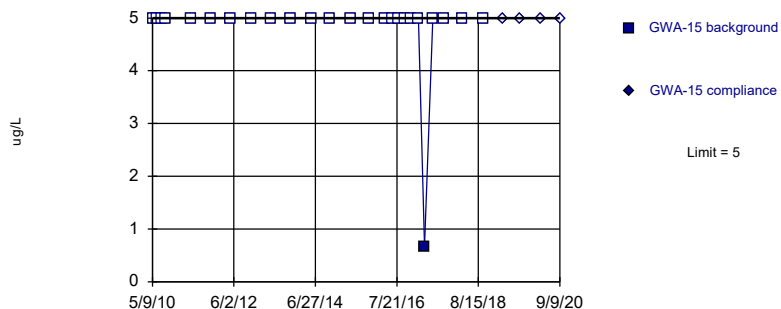


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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



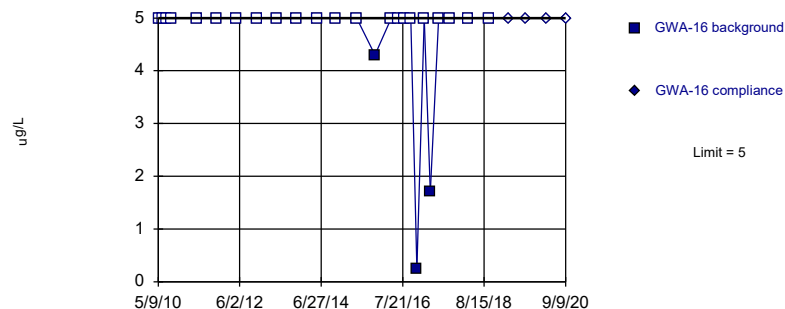
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



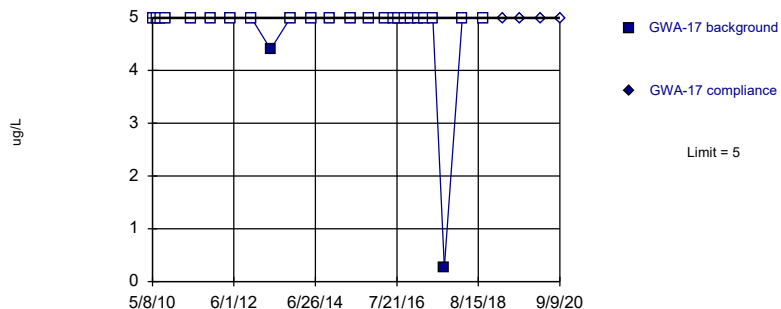
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:14 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



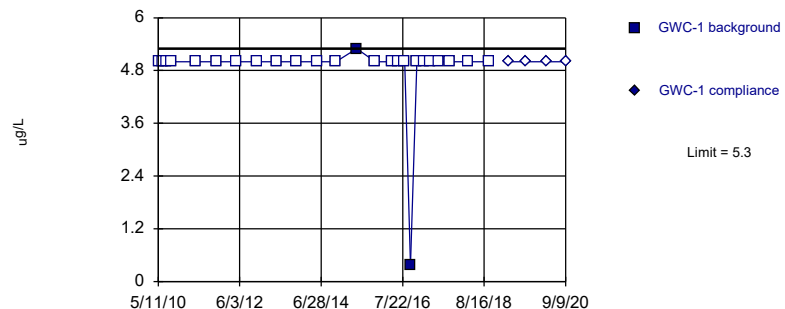
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



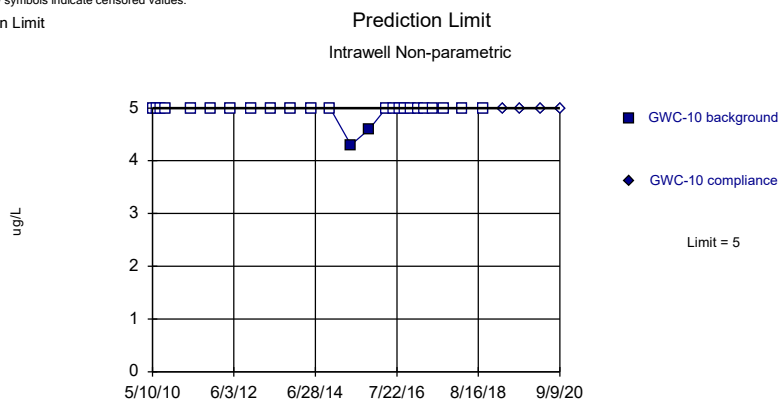
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

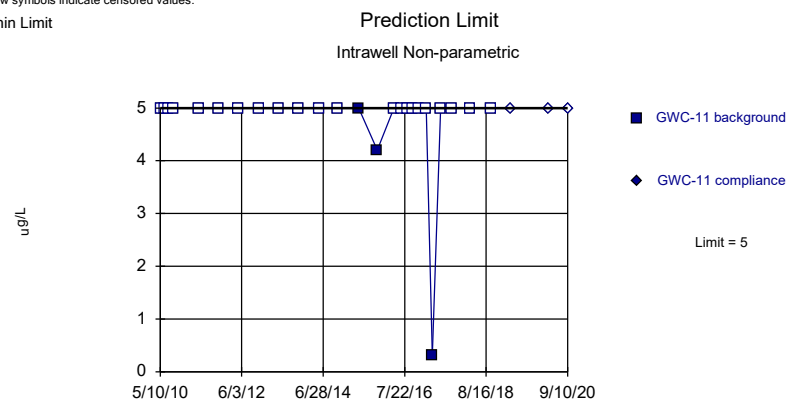


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

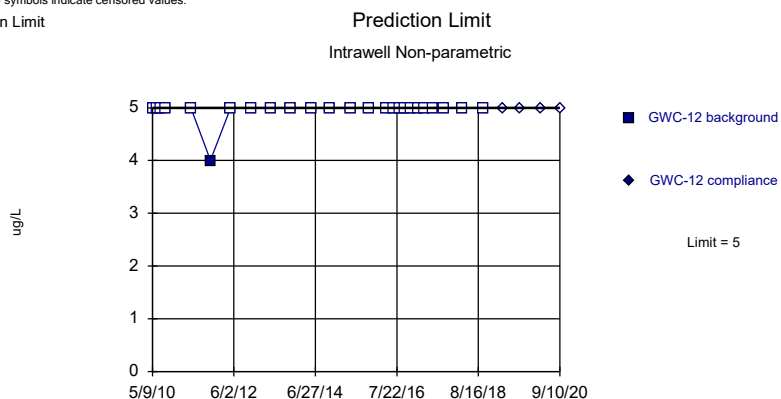


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

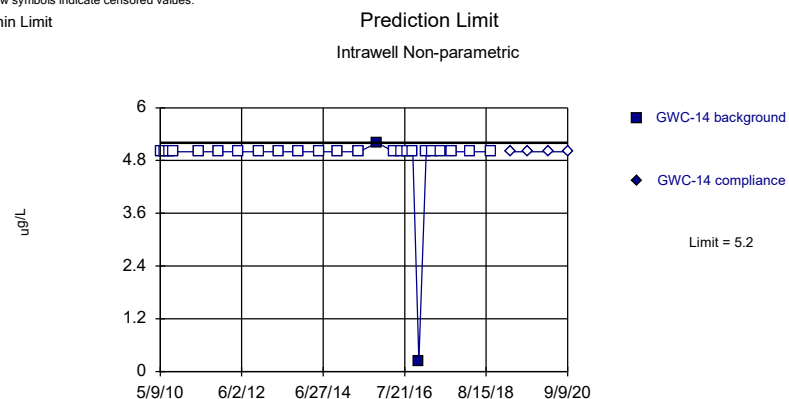


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



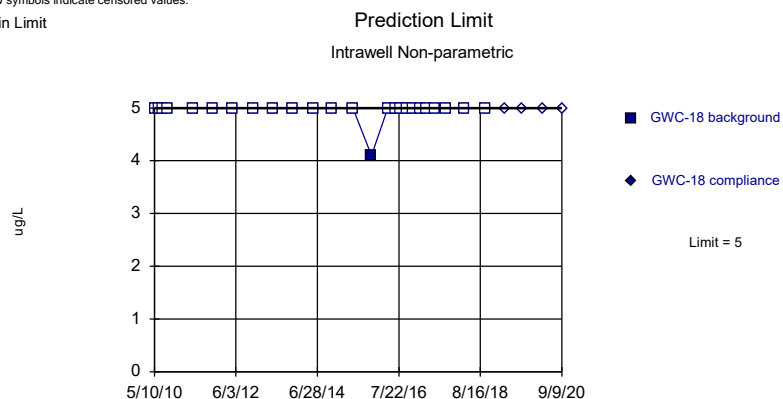
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

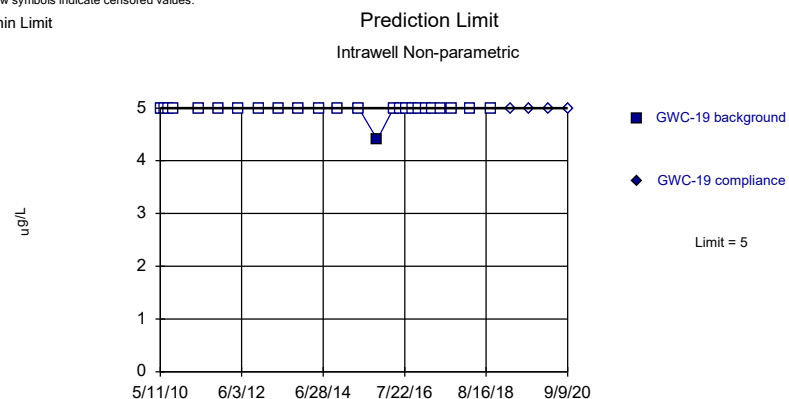


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

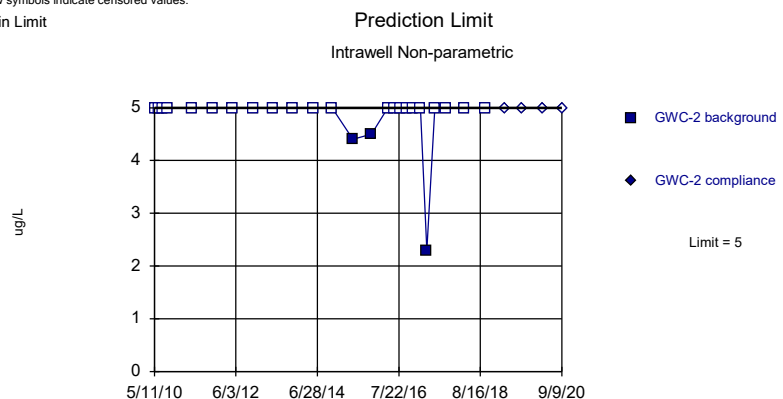


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

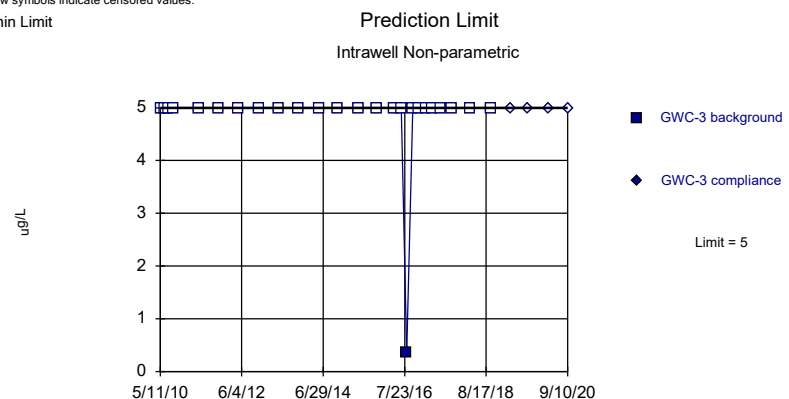


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



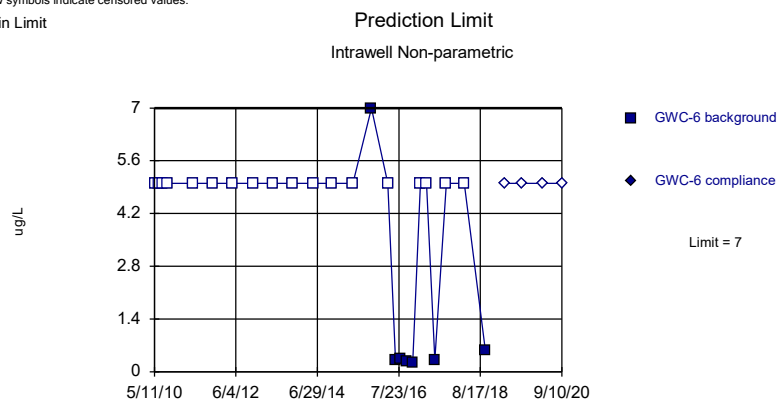
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

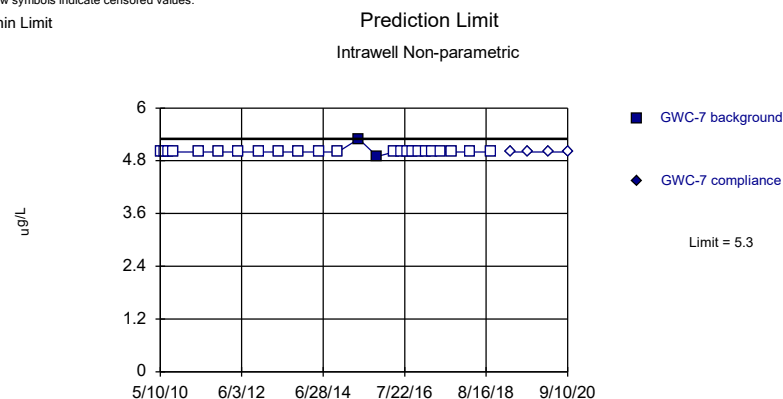


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

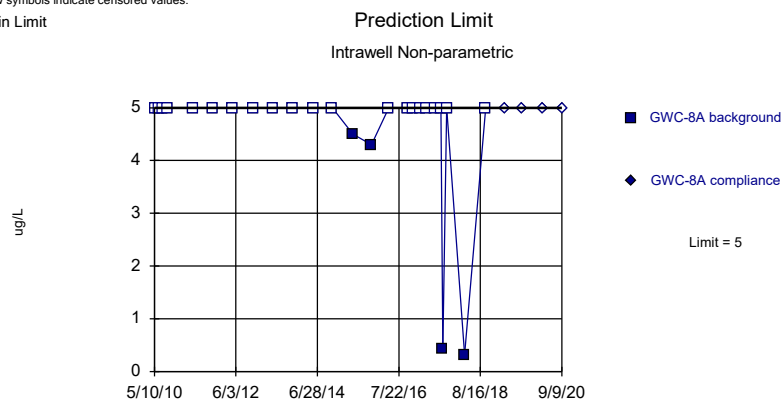


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

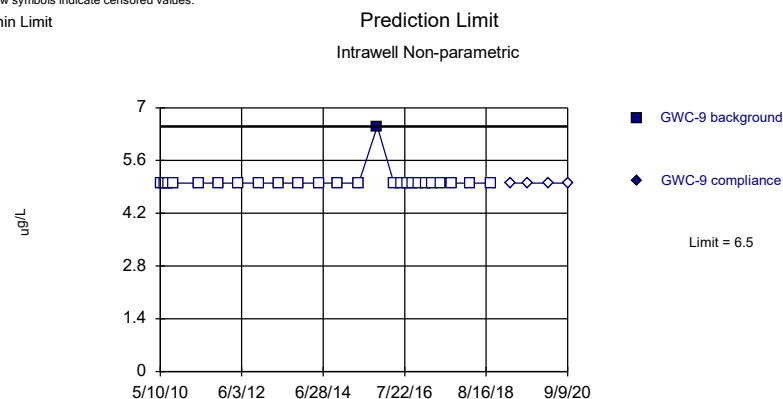


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



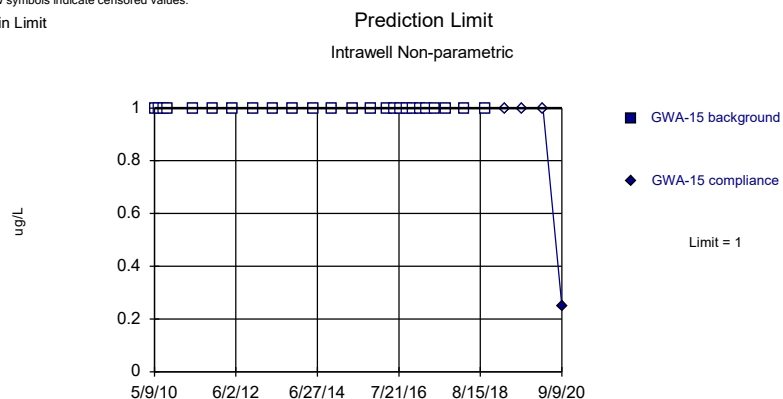
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

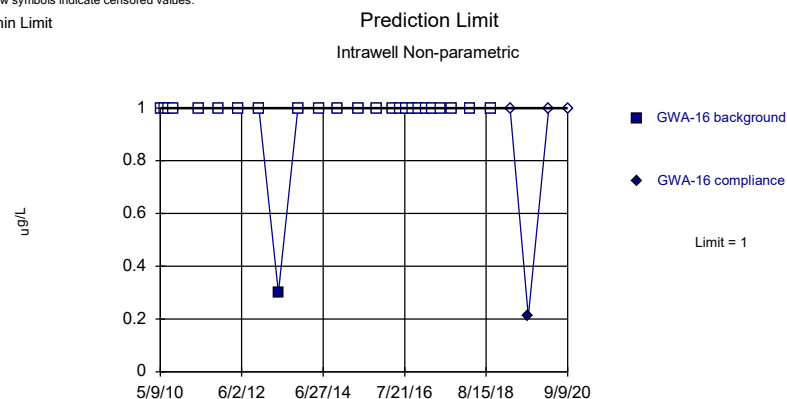


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

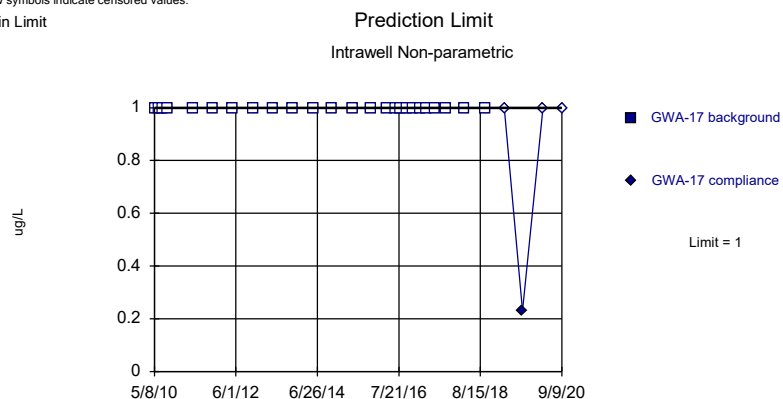


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

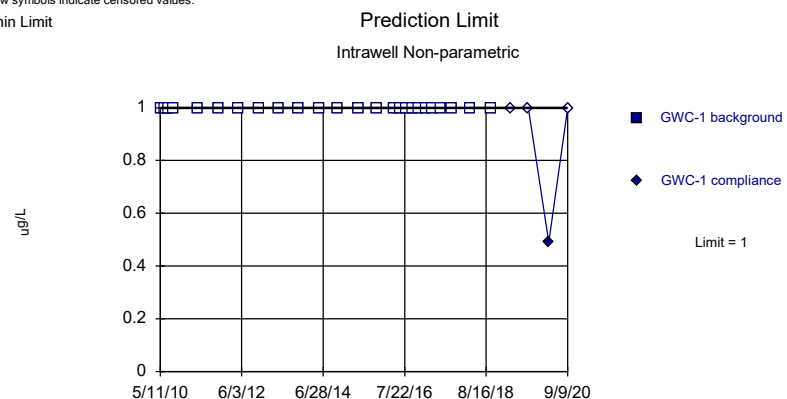


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

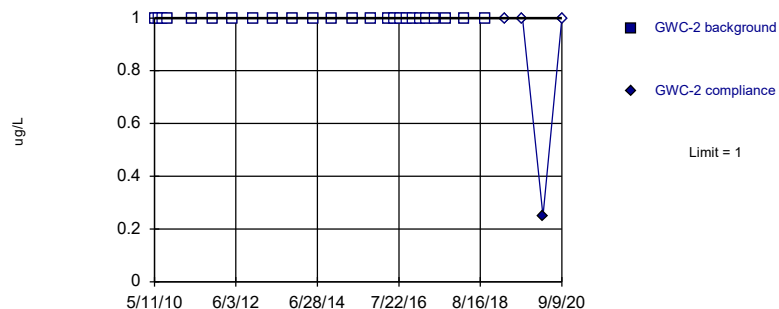
Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



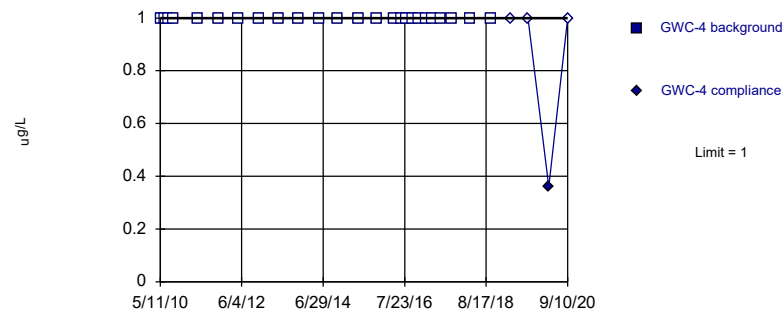
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



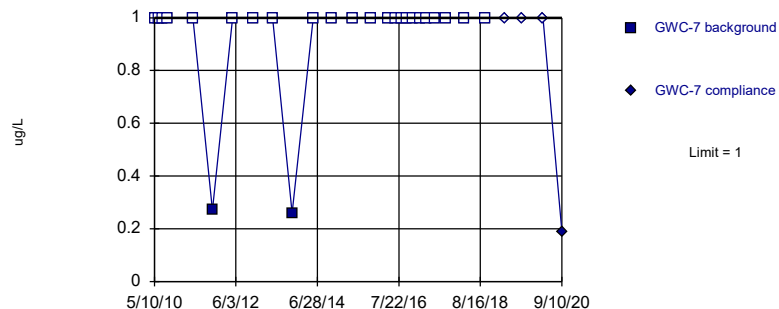
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



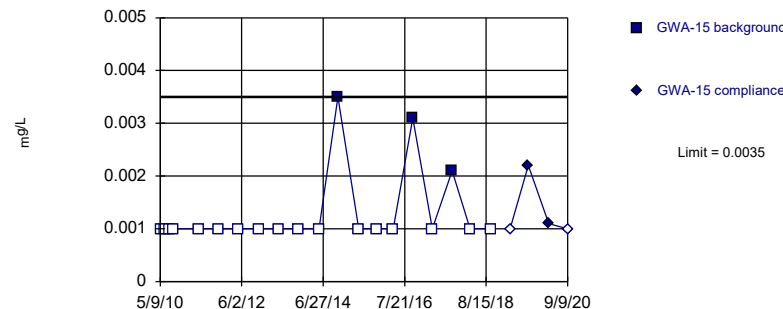
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

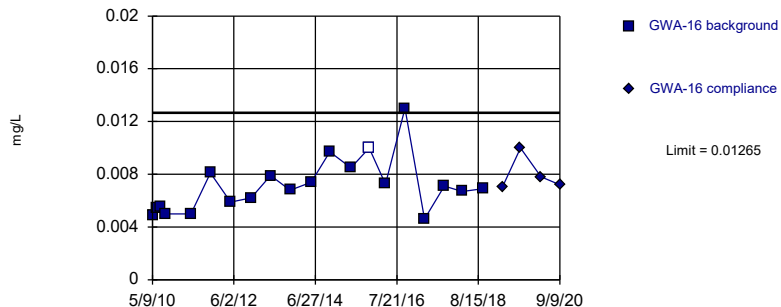
Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Parametric



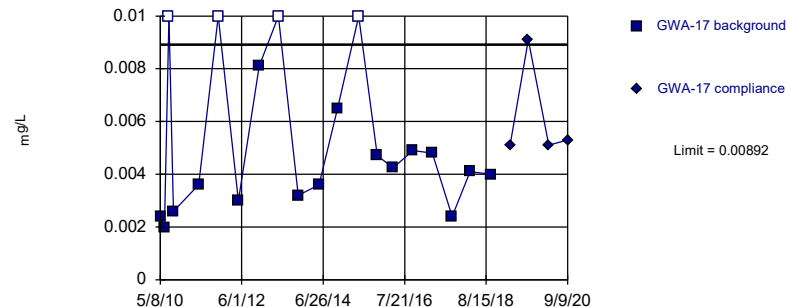
Background Data Summary: Mean=0.007093, Std. Dev.=0.002072, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9002, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Parametric



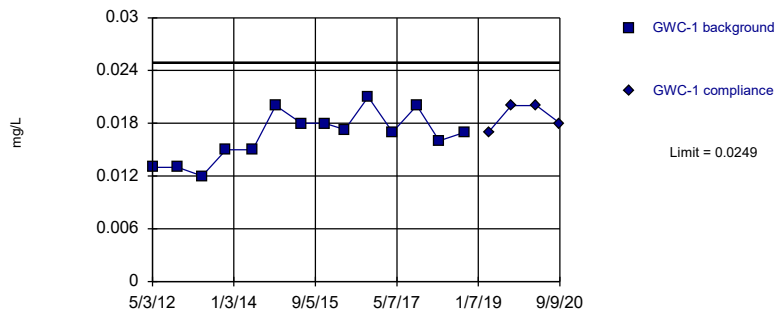
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06136, Std. Dev.=0.01234, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8809, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit  
 Intrawell Parametric



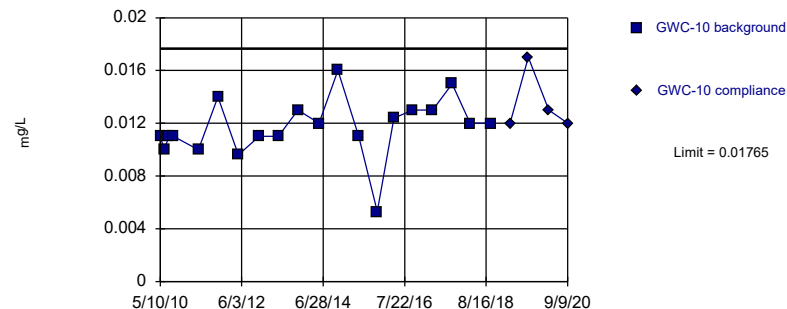
Background Data Summary: Mean=0.01659, Std. Dev.=0.00277, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.825. Kappa = 2.999 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=0.01167, Std. Dev.=0.002231, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9193, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

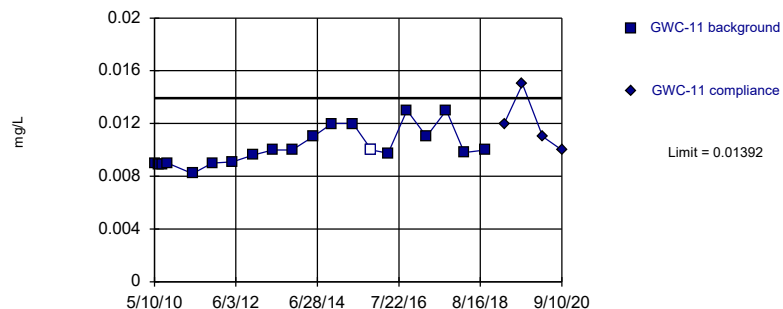
Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



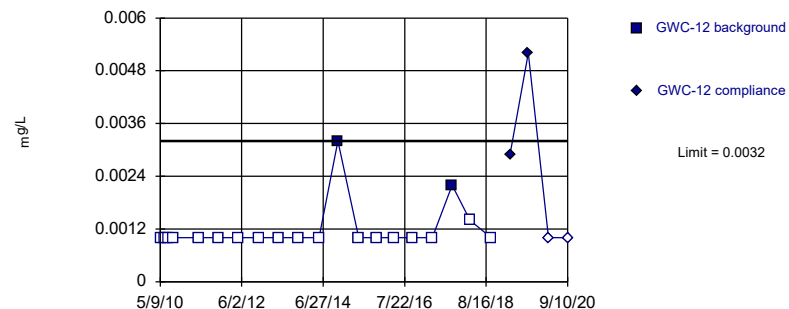
Background Data Summary: Mean=0.01016, Std. Dev.=0.001399, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8876, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



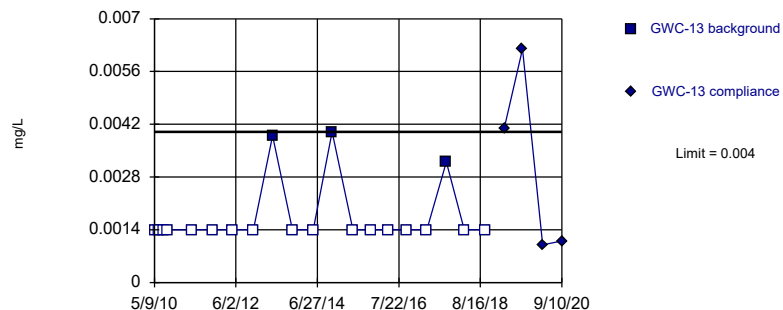
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



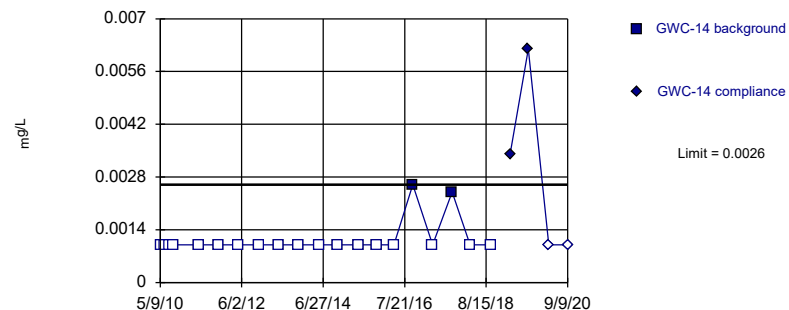
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

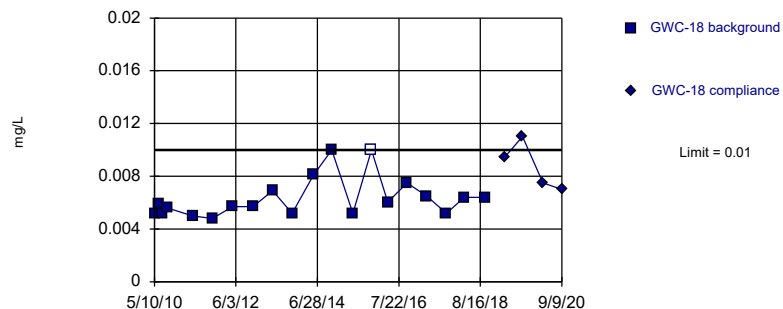


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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



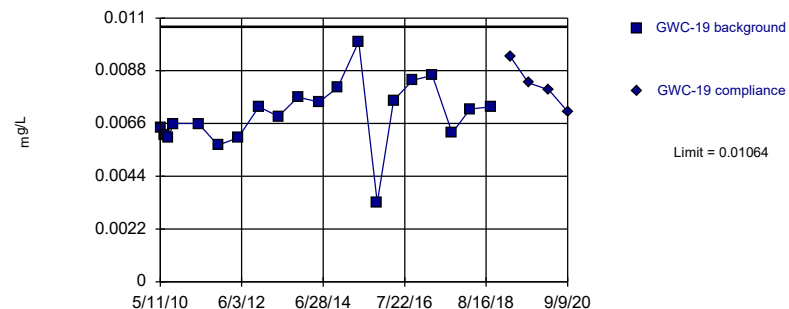
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



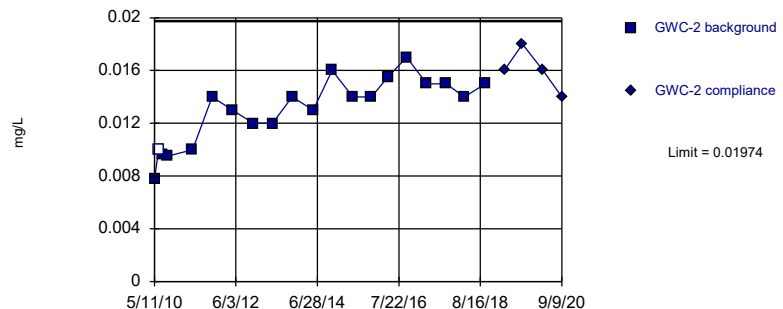
Background Data Summary: Mean=0.006973, Std. Dev.=0.001367, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9482, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



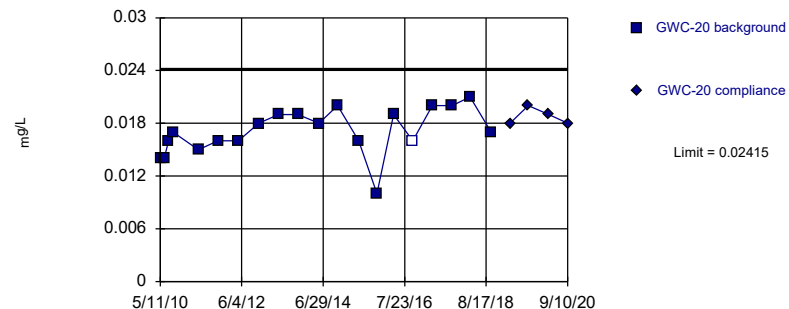
Background Data Summary: Mean=0.01302, Std. Dev.=0.002504, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9359, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=0.01705, Std. Dev.=0.002645, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

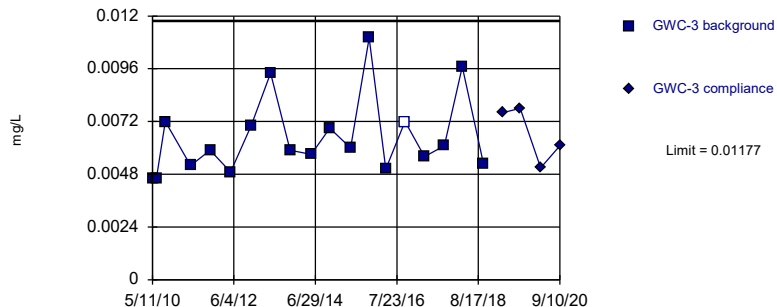
Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



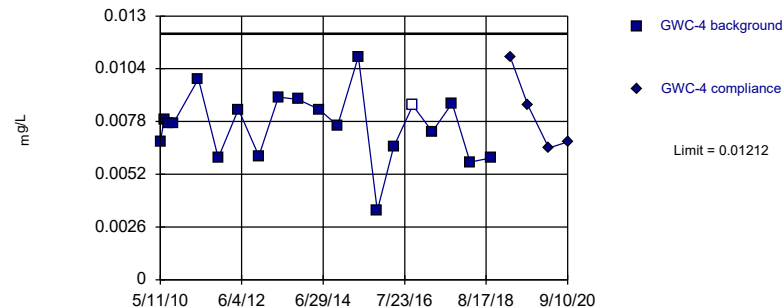
Background Data Summary (based on square root transformation): Mean=0.07988, Std. Dev.=0.01051, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8837, critical = 0.863. Kappa = 2.723 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



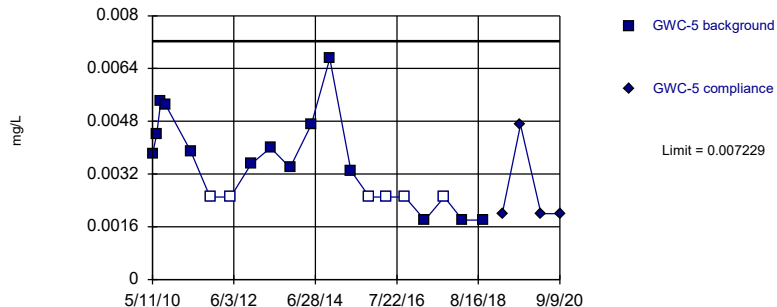
Background Data Summary: Mean=0.007587, Std. Dev.=0.001689, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

Prediction Limit  
Intrawell Parametric



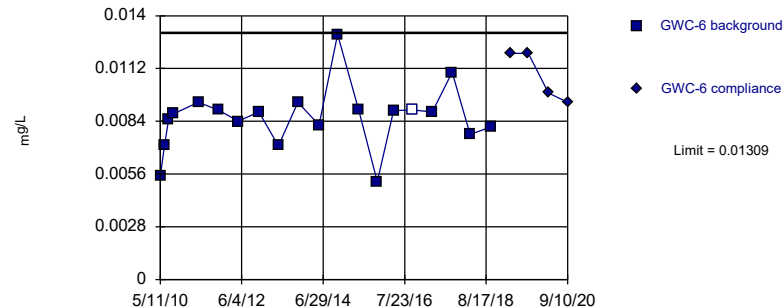
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00323, Std. Dev.=0.001491, n=20, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9192, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.008558, Std. Dev.=0.001688, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

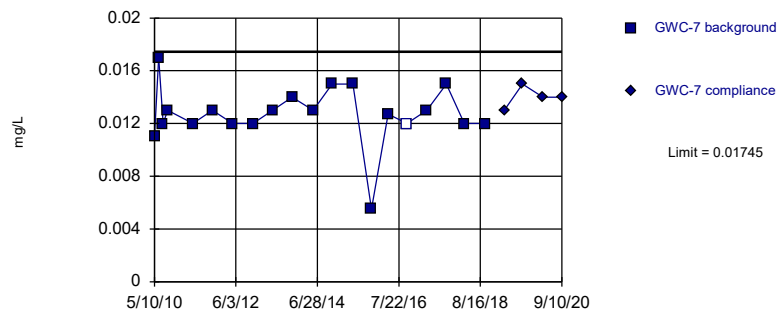
Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Parametric



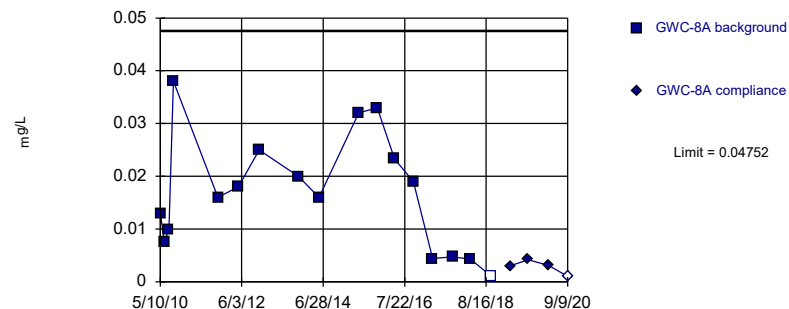
Background Data Summary (based on square transformation): Mean=0.0001663, Std. Dev.=0.00005149, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8848, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Parametric



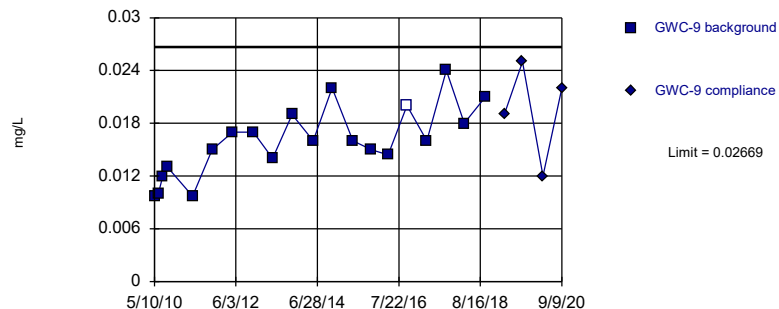
Background Data Summary: Mean=0.01678, Std. Dev.=0.01096, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9544, critical = 0.851. Kappa = 2.804 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Parametric



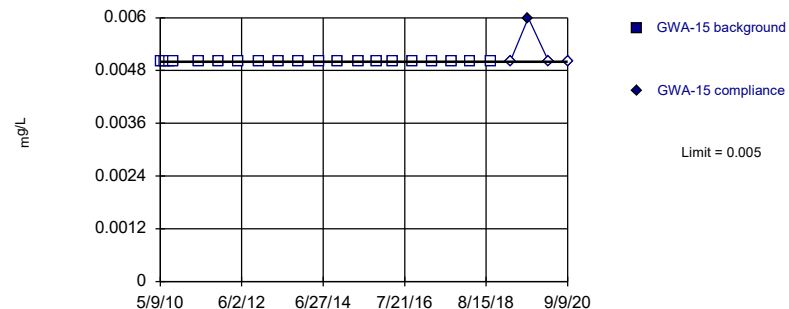
Background Data Summary: Mean=0.01594, Std. Dev.=0.004006, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9706, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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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 = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

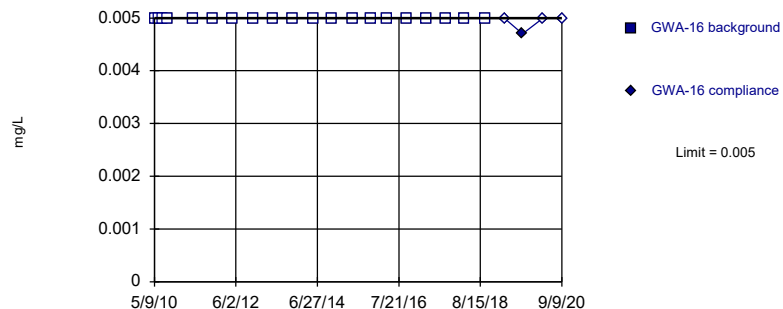
Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



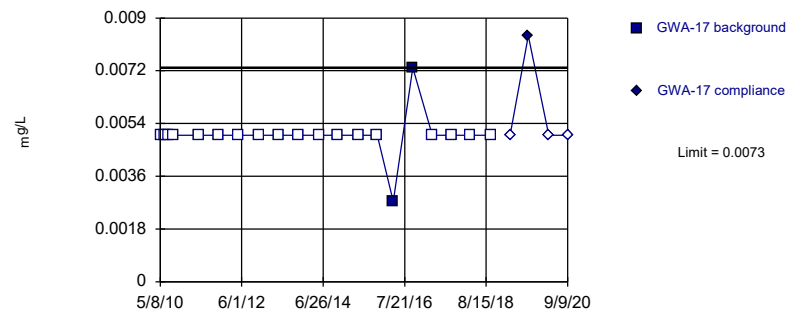
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



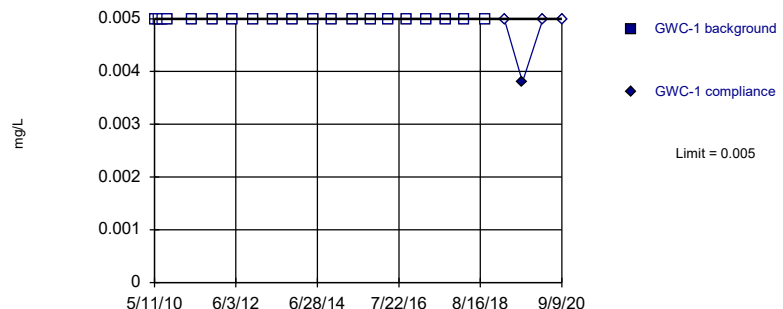
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



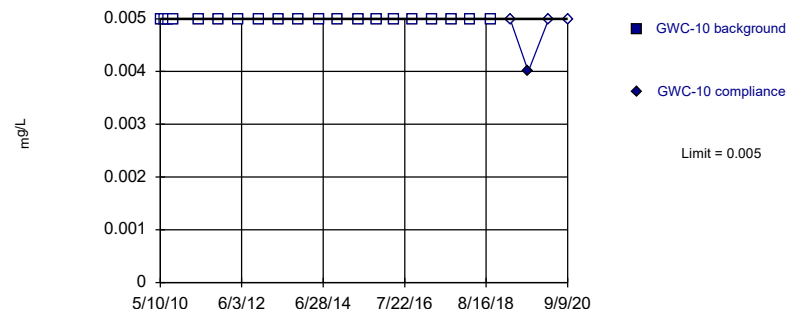
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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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 = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

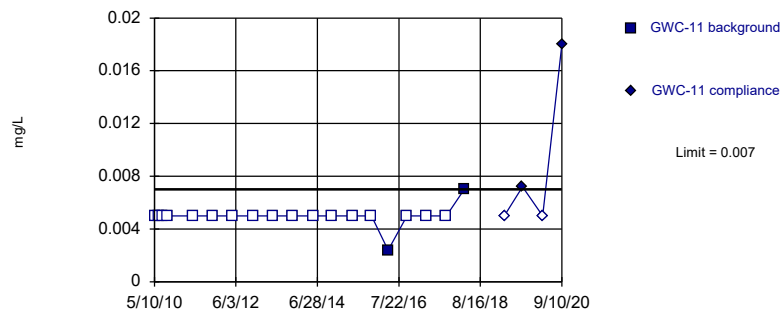
Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



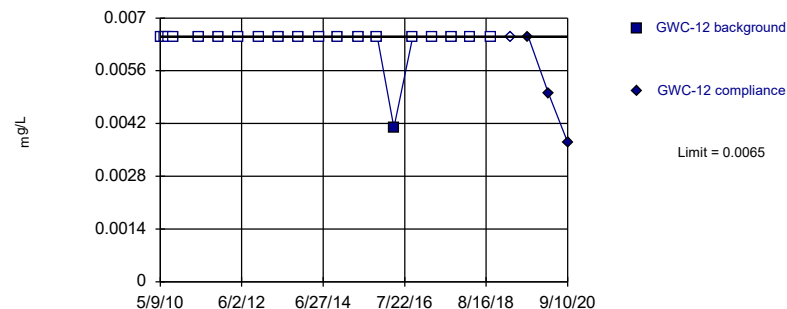
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



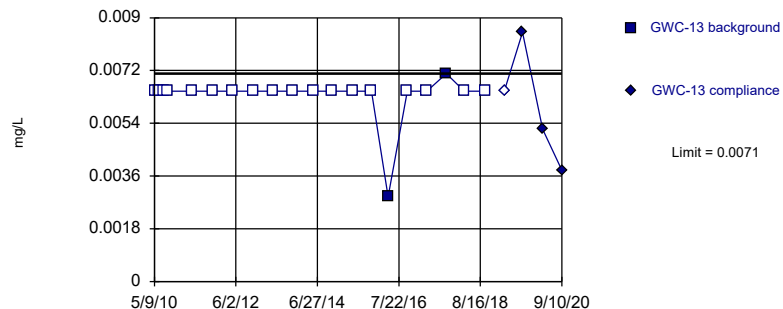
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



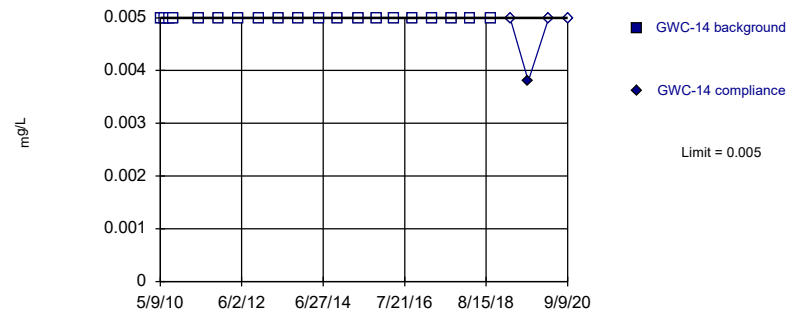
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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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 = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

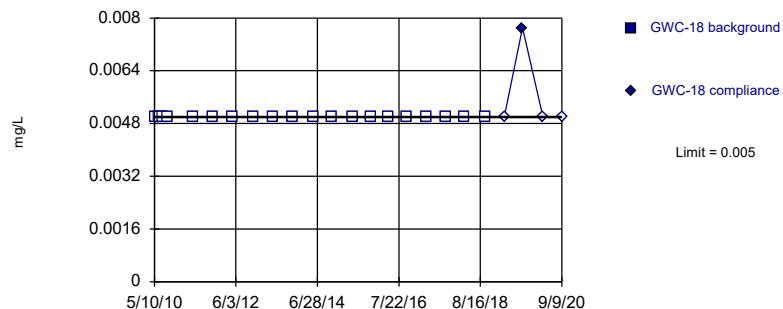
Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



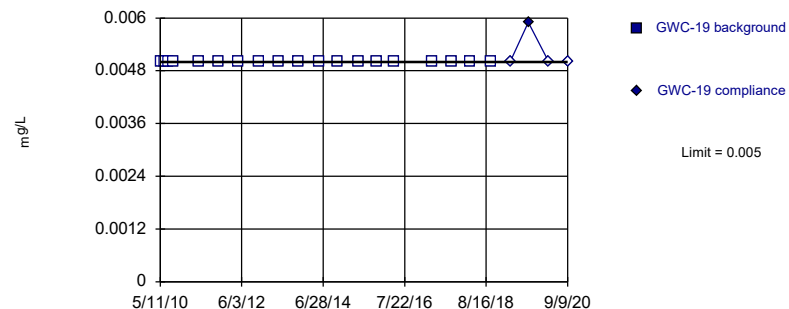
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



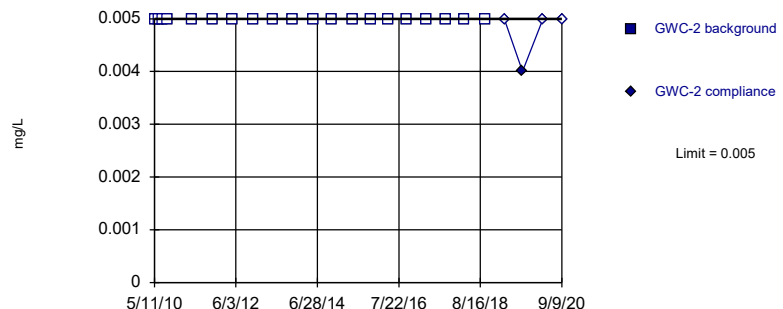
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



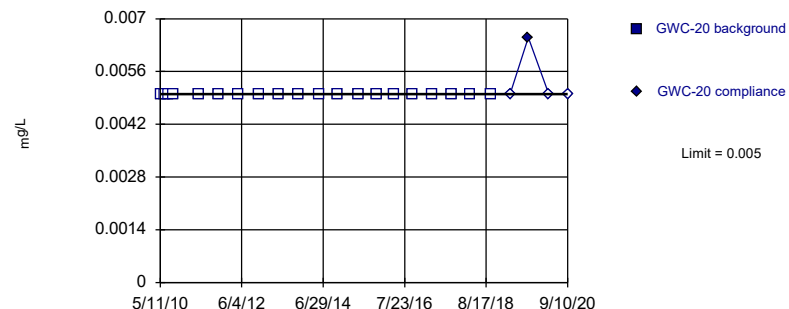
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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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 = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

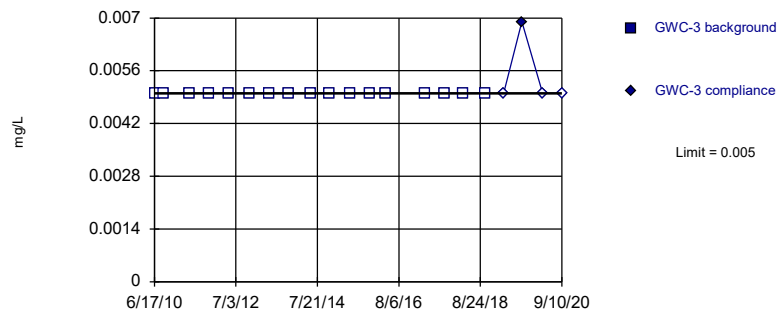
Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



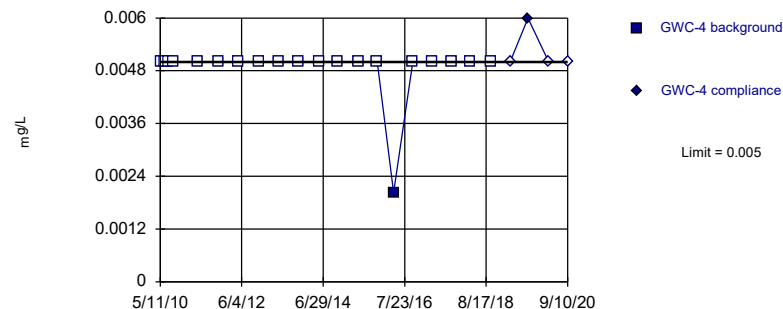
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



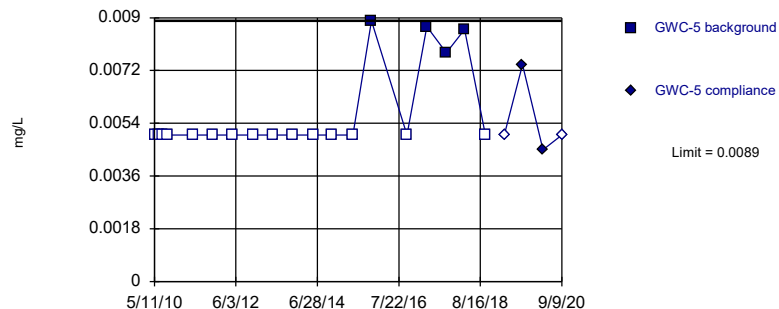
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



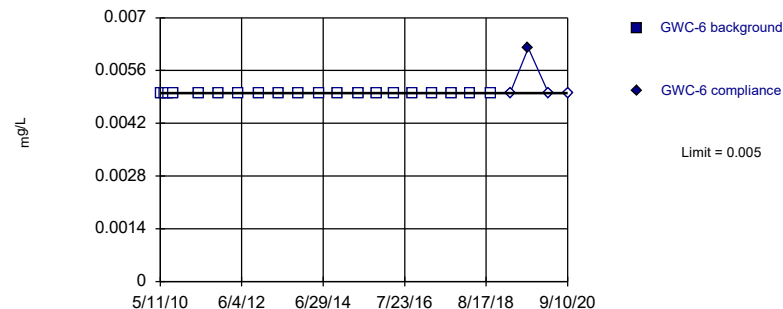
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



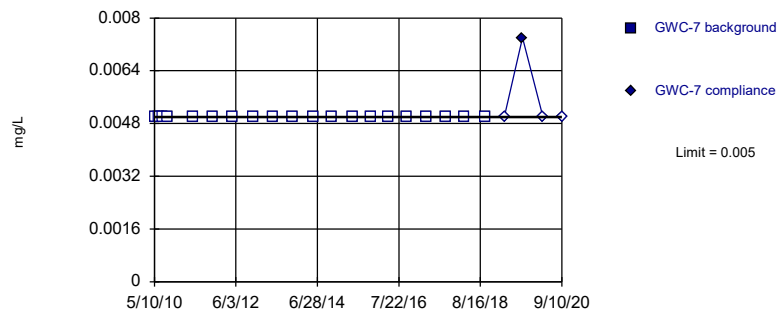
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit Prediction Limit  
Intrawell Non-parametric

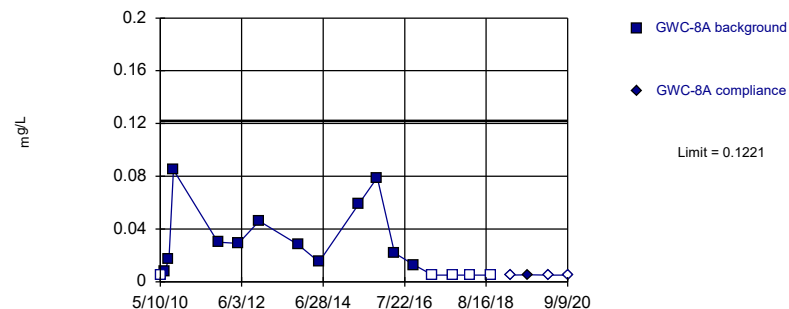


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric

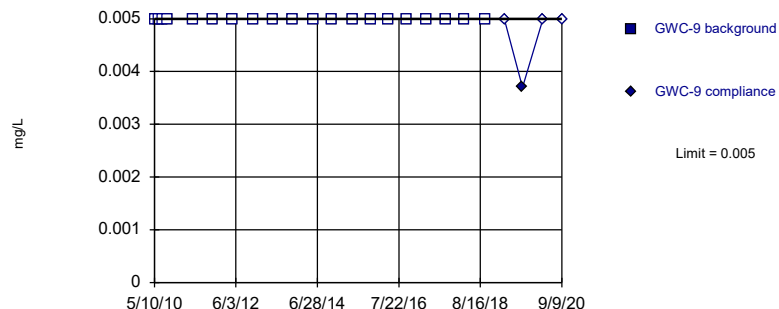


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.147, Std. Dev.=0.07218, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8862, critical = 0.851. Kappa = 2.804 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 11/21/2020 7:15 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<2	
6/16/2010	<2	
7/27/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/6/2013	<2	
5/20/2014	<2	
11/8/2014	<2	
5/22/2015	<2	
11/9/2015	<2	
4/6/2016	<2	
6/15/2016	<2	
8/10/2016	<2	
10/4/2016	<2	
11/29/2016	<2	
2/7/2017	1 (J)	
4/4/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		<2
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<2	
6/18/2010	<2	
7/27/2010	<2	
9/8/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/10/2012	<2	
5/9/2013	<2	
11/6/2013	<2	
5/20/2014	<2	
11/12/2014	<2	
5/23/2015	<2	
11/12/2015	<2	
4/13/2016	0.646 (JD)	
6/21/2016	<2	
8/15/2016	<2	
10/5/2016	<2	
12/1/2016	<2	
2/8/2017	<2	
4/5/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/21/2018	<2 (D)	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		<2
3/18/2020		<2
9/10/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<2	
6/16/2010	<2	
7/26/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/6/2013	<2	
5/23/2014	<2	
11/8/2014	<2	
5/22/2015	<2	
11/10/2015	<2	
4/11/2016	<2	
6/16/2016	0.18 (J)	
8/11/2016	<2	
10/5/2016	<2	
11/29/2016	<2	
2/8/2017	<2	
4/6/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		0.39 (J)
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<2	
6/16/2010	<2	
7/27/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/9/2013	<2	
11/6/2013	<2	
5/22/2014	<2	
11/8/2014	<2	
5/23/2015	<2	
11/10/2015	<2	
4/11/2016	<2	
6/16/2016	0.14 (J)	
8/11/2016	<2	
10/5/2016	<2	
11/29/2016	<2	
2/8/2017	<2	
4/5/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/12/2019		<2
3/19/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<2	
6/19/2010	<2	
7/27/2010	<2	
9/9/2010	<2	
4/28/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/9/2012	<2	
5/9/2013	<2	
11/5/2013	<2	
5/22/2014	<2	
11/13/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/12/2016	<2	
6/16/2016	<2	
8/11/2016	<2	
10/4/2016	<2	
11/30/2016	<2	
2/7/2017	<2	
4/6/2017	<2	
6/20/2017	<2	
10/4/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		0.42 (J)
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<2	
6/17/2010	<2	
7/28/2010	<2	
9/7/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/9/2012	<2	
5/10/2013	<2	
11/6/2013	<2	
5/22/2014	<2	
11/9/2014	<2	
5/22/2015	<2	
11/10/2015	<2	
4/12/2016	<2 (D)	
6/20/2016	0.2 (J)	
8/12/2016	<2	
10/5/2016	<2	
11/30/2016	<2	
2/8/2017	<2	
4/6/2017	<2	
6/21/2017	<2	
10/5/2017	<2	
3/21/2018	<2	
10/3/2018	<2	
3/26/2019		<2
9/10/2019		<2
3/18/2020		<2
9/10/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Antimony, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/29/2011	<2	
5/4/2012	<2	
11/10/2012	<2	
5/9/2013	<2	
11/7/2013	<2	
5/21/2014	<2	
11/12/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/13/2016	<2 (D)	
6/20/2016	0.2 (J)	
8/15/2016	<2	
10/6/2016	<2	
12/1/2016	<2	
2/9/2017	<2	
4/7/2017	<2	
6/22/2017	<2	
10/6/2017	<2	
3/22/2018	<2	
10/4/2018	<2	
3/27/2019		<2
9/11/2019		<2
3/19/2020		<2
9/10/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	10 (J)	
6/18/2010	10 (J)	
7/28/2010	11 (J)	
9/9/2010	11 (J)	
4/30/2011	9.1 (J)	
10/28/2011	9.6 (J)	
5/2/2012	12	
11/9/2012	12 (V)	
5/8/2013	10	
11/5/2013	9.8 (J)	
5/20/2014	8.1 (J)	
11/12/2014	9.8 (J)	
5/22/2015	8.8 (J)	
11/11/2015	11	
4/6/2016	9.59 (J)	
6/15/2016	9.1 (J)	
8/10/2016	9	
10/4/2016	<9.2	
11/30/2016	11	
2/7/2017	9.9	
4/4/2017	9.2	
6/20/2017	9.9	
10/4/2017	9.8	
3/20/2018	10	
10/2/2018	9.9	
3/26/2019		9.9
9/10/2019		11
3/18/2020		10
9/9/2020		10



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWA-16	GWA-16
5/9/2010	31 (J)	
6/16/2010	29 (J)	
7/27/2010	29 (J)	
9/7/2010	28 (J)	
4/29/2011	26 (J)	
10/28/2011	25	
5/2/2012	25	
11/9/2012	28 (V)	
5/8/2013	29	
11/6/2013	26	
5/20/2014	25	
11/8/2014	26	
5/22/2015	26	
11/9/2015	24	
4/6/2016	26	
6/15/2016	23	
8/10/2016	22	
10/4/2016	24	
11/29/2016	23	
2/7/2017	24	
4/4/2017	22	
6/20/2017	25	
10/5/2017	23	
3/20/2018	23	
10/2/2018	23	
3/26/2019		24
9/10/2019		39
3/18/2020		27
9/9/2020		24

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	48 (J)	
6/16/2010	44 (J)	
7/26/2010	42 (J)	
9/7/2010	40 (J)	
4/29/2011	38 (J)	
10/28/2011	34	
5/2/2012	30	
11/9/2012	39 (V)	
5/8/2013	34	
11/6/2013	32	
5/20/2014	30	
11/8/2014	31	
5/22/2015	33	
11/9/2015	34	
4/6/2016	34.7	
6/15/2016	29	
8/10/2016	27	
10/5/2016	<29	
11/29/2016	24	
2/7/2017	29	
4/4/2017	30	
6/20/2017	36	
10/5/2017	27	
3/20/2018	27	
10/2/2018	27	
3/26/2019		31
9/10/2019		51
3/18/2020		31
9/9/2020		33

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	54 (J)	
6/17/2010	54 (J)	
7/27/2010	54 (J)	
9/9/2010	46 (J)	
4/28/2011	57 (J)	
10/29/2011	46	
5/3/2012	49	
11/9/2012	45 (V)	
5/9/2013	53	
11/5/2013	45	
5/23/2014	43	
11/13/2014	46	
5/23/2015	46	
11/11/2015	47	
4/12/2016	47.4	
6/16/2016	44	
8/11/2016	40	
10/4/2016	48	
11/30/2016	43	
2/7/2017	42	
4/5/2017	41	
6/20/2017	46	
10/4/2017	44	
3/20/2018	42	
10/2/2018	43	
3/26/2019		44
9/10/2019		46
3/18/2020		49
9/9/2020		46

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	24 (J)	
6/16/2010	22 (J)	
7/28/2010	23 (J)	
9/8/2010	23 (J)	
4/29/2011	22 (J)	
10/27/2011	22	
5/4/2012	19	
11/11/2012	25 (V)	
5/9/2013	24	
11/5/2013	25	
5/21/2014	24	
11/12/2014	26	
5/23/2015	26	
11/12/2015	26	
4/13/2016	25.8 (D)	
6/21/2016	28.6	
8/15/2016	24	
10/5/2016	<28	
12/1/2016	28	
2/8/2017	27	
4/6/2017	27	
6/21/2017	31	
10/5/2017	29	
3/21/2018	<28 (X)	
10/2/2018	29	
3/27/2019		27
9/11/2019		33
3/18/2020		36
9/9/2020		36

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	18 (J)	
6/16/2010	18 (J)	
7/27/2010	18 (J)	
9/8/2010	17 (J)	
4/29/2011	16 (J)	
10/27/2011	15	
5/4/2012	14	
11/10/2012	16 (V)	
5/9/2013	16	
11/6/2013	16	
5/20/2014	16	
11/12/2014	17	
5/24/2015	17	
11/12/2015	16	
4/13/2016	15.9 (D)	
6/21/2016	18	
8/15/2016	15	
10/5/2016	<16	
12/1/2016	16	
2/8/2017	15	
4/6/2017	16	
6/20/2017	16	
10/5/2017	16	
3/21/2018	<16 (X)	
10/2/2018	16	
3/27/2019		15
9/11/2019		17
3/18/2020		19
9/10/2020		20

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	17 (J)	
6/18/2010	14 (J)	
7/27/2010	15 (J)	
9/8/2010	13 (J)	
4/29/2011	16 (J)	
10/28/2011	13	
5/3/2012	12	
11/10/2012	15 (V)	
5/9/2013	15	
11/6/2013	15	
5/20/2014	15	
11/12/2014	18	
5/23/2015	16	
11/12/2015	15	
4/13/2016	16.6 (D)	
6/21/2016	17.3	
8/15/2016	15	
10/5/2016	<17	
12/1/2016	16	
2/8/2017	16	
4/5/2017	16	
6/20/2017	17	
10/5/2017	17	
3/21/2018	<17 (X)	
10/2/2018	16	
3/26/2019		17
9/11/2019		17
3/18/2020		18
9/10/2020		19

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	29 (J)	
6/18/2010	28 (J)	
7/29/2010	29 (J)	
9/9/2010	28 (J)	
4/26/2011	38 (J)	
10/28/2011	26	
5/4/2012	24	
11/11/2012	27 (V)	
5/8/2013	45	
11/7/2013	26	
5/20/2014	24	
11/12/2014	29	
5/24/2015	27	
11/12/2015	29	
4/13/2016	29 (D)	
6/21/2016	30.6	
8/15/2016	26	
10/7/2016	31	
12/1/2016	31	
2/9/2017	32	
4/6/2017	29	
6/22/2017	34	
10/6/2017	31	
3/22/2018	34	
10/3/2018	30	
3/26/2019		35
9/11/2019		35
3/18/2020		58
9/10/2020		37

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	10 (J)	
6/18/2010	9.7 (J)	
7/28/2010	9.6 (J)	
9/9/2010	10 (J)	
4/30/2011	9.6 (J)	
10/28/2011	6.4 (O)	
5/3/2012	5.4 (O)	
11/10/2012	9.4 (J)	
5/8/2013	9.3 (J)	
11/5/2013	9 (J)	
5/20/2014	9 (J)	
11/12/2014	9.8 (J)	
5/24/2015	9.6 (J)	
11/11/2015	9.2 (J)	
4/13/2016	9.29 (JD)	
6/21/2016	10.6	
8/15/2016	7.7	
10/4/2016	<9.1	
12/1/2016	8.9	
2/7/2017	8.9	
4/6/2017	8.5	
6/20/2017	9.7	
10/5/2017	9.6	
3/20/2018	9.1	
10/2/2018	9.6	
3/26/2019		9.2
9/11/2019		11
3/18/2020		9.9 (J)
9/9/2020		10



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	39 (J)	
6/16/2010	41 (J)	
7/26/2010	40 (J)	
9/7/2010	38 (J)	
4/29/2011	34 (J)	
10/28/2011	35	
5/2/2012	38	
11/9/2012	35 (V)	
5/8/2013	37	
11/6/2013	36 (V)	
5/23/2014	36	
11/8/2014	38	
5/22/2015	35	
11/10/2015	32	
4/11/2016	35.2	
6/16/2016	33	
8/11/2016	35	
10/5/2016	<32	
11/29/2016	34	
2/8/2017	32	
4/6/2017	31	
6/21/2017	35	
10/5/2017	34	
3/20/2018	33	
10/2/2018	32	
3/26/2019		33
9/11/2019		35
3/18/2020		36
9/9/2020		36

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	18 (J)	
6/16/2010	17 (J)	
7/27/2010	16 (J)	
9/7/2010	17 (J)	
4/29/2011	18 (J)	
10/28/2011	16	
5/2/2012	18	
11/9/2012	17 (V)	
5/9/2013	17	
11/6/2013	18 (V)	
5/22/2014	16	
11/8/2014	18	
5/23/2015	18	
11/10/2015	17	
4/11/2016	19.1	
6/16/2016	17	
8/11/2016	15	
10/5/2016	<18	
11/29/2016	17	
2/8/2017	17	
4/5/2017	17	
6/21/2017	19	
10/5/2017	18	
3/20/2018	19	
10/2/2018	18	
3/26/2019		18
9/12/2019		26
3/19/2020		25
9/9/2020		26

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	48 (J)	
6/19/2010	33 (J)	
7/27/2010	47 (J)	
9/9/2010	45 (J)	
4/28/2011	48 (J)	
10/28/2011	44	
5/3/2012	47	
11/9/2012	55 (V)	
5/9/2013	49	
11/5/2013	45	
5/22/2014	40	
11/13/2014	45	
5/24/2015	45	
11/11/2015	45	
4/12/2016	51.9	
6/16/2016	45	
8/11/2016	40	
10/4/2016	44	
11/30/2016	44	
2/7/2017	44	
4/6/2017	41	
6/20/2017	45	
10/4/2017	47	
3/20/2018	45	
10/2/2018	44	
3/26/2019		45
9/10/2019		47
3/18/2020		48
9/9/2020		47

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	32 (J)	
6/17/2010	31 (J)	
7/27/2010	35 (J)	
9/7/2010	32 (J)	
4/29/2011	31 (J)	
10/28/2011	30	
5/3/2012	32	
11/10/2012	28 (V)	
5/9/2013	29	
11/6/2013	30 (V)	
5/22/2014	29	
11/9/2014	32	
5/24/2015	29	
11/10/2015	26	
4/12/2016	33	
6/16/2016	28	
8/11/2016	26	
10/5/2016	30	
11/30/2016	30	
2/8/2017	33	
4/6/2017	33	
6/21/2017	30	
10/5/2017	28	
3/21/2018	<30 (X)	
10/3/2018	28	
3/26/2019		30
9/12/2019		35
3/19/2020		32
9/10/2020		31

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	39	
6/17/2010	17	
7/28/2010	71 (O)	
9/7/2010	26	
4/29/2011	16	
10/28/2011	14	
5/3/2012	17	
11/9/2012	22 (V)	
5/10/2013	25	
11/6/2013	15	
5/22/2014	16	
11/9/2014	17	
5/22/2015	17	
11/10/2015	18	
4/12/2016	16.9 (D)	
6/20/2016	14	
8/12/2016	18	
10/5/2016	15	
11/30/2016	18	
2/8/2017	18	
4/6/2017	17	
6/21/2017	20	
10/5/2017	17	
3/21/2018	<18 (X)	
10/3/2018	16	
3/26/2019		15
9/10/2019		14
3/18/2020		13
9/10/2020		15

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWC-4	GWC-4
5/11/2010	31 (J)	
6/17/2010	33 (J)	
7/28/2010	33 (J)	
9/8/2010	33 (J)	
4/28/2011	39 (J)	
10/29/2011	29	
5/3/2012	36	
11/10/2012	32 (V)	
5/10/2013	35	
11/6/2013	37	
5/22/2014	31	
11/9/2014	34	
5/22/2015	39	
11/11/2015	42	
4/12/2016	38.6	
6/20/2016	31	
8/12/2016	33	
10/6/2016	42	
11/30/2016	40	
2/8/2017	42	
4/6/2017	41	
6/22/2017	47	
10/6/2017	45	
3/21/2018	45	
10/3/2018	42	
3/26/2019		53
9/10/2019		37
3/19/2020		45
9/10/2020		45

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	34 (J)	
6/18/2010	28 (J)	
7/27/2010	26 (J)	
9/9/2010	22 (J)	
4/29/2011	16 (J)	
10/28/2011	14	
5/4/2012	17	
11/10/2012	14 (V)	
5/9/2013	16	
11/6/2013	16	
5/22/2014	16	
11/9/2014	18	
5/24/2015	110	
11/11/2015	120	
4/19/2016	99	
6/22/2016	74	
8/16/2016	45	
10/6/2016	46	
12/1/2016	46	
2/9/2017	55	
4/6/2017	57	
6/21/2017	62	
10/5/2017	52	
3/22/2018	48	
10/3/2018	36	
3/27/2019		38
9/11/2019		39
3/18/2020		40
9/9/2020		33

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	53 (J)	
6/18/2010	55 (J)	
7/27/2010	53 (J)	
9/9/2010	50 (J)	
4/30/2011	50 (J)	
10/29/2011	45	
5/4/2012	51	
11/10/2012	48 (V)	
5/9/2013	48	
11/7/2013	49	
5/21/2014	48	
11/9/2014	53	
5/24/2015	61	
11/11/2015	63	
4/12/2016	62.6	
6/20/2016	57	
8/12/2016	53	
10/6/2016	53	
11/30/2016	60	
2/9/2017	54	
4/6/2017	55	
6/21/2017	63	
10/6/2017	54	
3/21/2018	56	
10/3/2018	51	
3/26/2019		52
9/11/2019		59
3/18/2020		50
9/10/2020		56



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWC-7	GWC-7
5/10/2010	29 (J)	
6/18/2010	44 (J)	
7/28/2010	28 (J)	
9/9/2010	29 (J)	
4/30/2011	25 (J)	
10/29/2011	26	
5/4/2012	32	
11/10/2012	28 (V)	
5/9/2013	30	
11/7/2013	31	
5/21/2014	29	
11/12/2014	31	
5/24/2015	39	
11/11/2015	32	
4/13/2016	32.8 (D)	
6/20/2016	30	
8/15/2016	33	
10/6/2016	32	
12/1/2016	34	
2/9/2017	32	
4/7/2017	31	
6/22/2017	35	
10/6/2017	34	
3/22/2018	35	
10/4/2018	31	
3/27/2019		33
9/11/2019		35
3/19/2020		36
9/10/2020		39

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	50 (J)	
6/19/2010	45 (J)	
7/28/2010	46 (J)	
9/8/2010	71 (J)	
4/30/2011	98 (J)	
10/27/2011	48	
5/4/2012	55	
11/11/2012	50 (V)	
5/10/2013	120	
11/7/2013	44	
5/21/2014	37	
11/13/2014	85	
5/23/2015	54	
11/11/2015	59	
4/19/2016	41.5	
10/10/2016	34	
12/1/2016	37	
2/9/2017	43	
4/7/2017	19	
6/21/2017	17	
8/15/2017	21	
9/1/2017	20	
10/9/2017	19	
3/22/2018	19	
10/4/2018	12	
3/27/2019		25
9/11/2019		22
3/18/2020		43
9/9/2020		53

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	26 (J)	
6/16/2010	26 (J)	
7/27/2010	29 (J)	
9/8/2010	27 (J)	
4/29/2011	20 (J)	
10/27/2011	20	
5/3/2012	21	
11/11/2012	28 (V)	
5/9/2013	26	
11/6/2013	26	
5/21/2014	23	
11/12/2014	38	
5/23/2015	21	
11/12/2015	20	
4/13/2016	16.4 (D)	
6/22/2016	23.8	
8/15/2016	20	
10/6/2016	21	
12/1/2016	25	
2/8/2017	17	
4/6/2017	19	
6/21/2017	26	
10/5/2017	22	
3/21/2018	<21 (X)	
10/2/2018	23	
3/27/2019		18
9/11/2019		28
3/18/2020		13
9/9/2020		25

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<2.5	
6/16/2010	<2.5	
7/26/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/8/2014	<2.5	
5/22/2015	<2.5	
11/9/2015	<2.5	
4/6/2016	<2.5	
6/15/2016	<2.5	
8/10/2016	<2.5	
10/5/2016	<2.5	
11/29/2016	<2.5	
2/7/2017	<2.5	
4/4/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.13 (J)
3/18/2020		<2.5
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/8/2010	<2.5	
4/29/2011	<2.5	
10/27/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/12/2014	<2.5	
5/24/2015	<2.5	
11/12/2015	<2.5	
4/13/2016	<2.5 (D)	
6/21/2016	<2.5	
8/15/2016	<2.5	
10/5/2016	<2.5	
12/1/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/21/2018	<2.5	
10/2/2018	<2.5	
3/27/2019		<2.5
9/11/2019		<2.5
3/18/2020		<2.5
9/10/2020		1 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cadmium, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<2.5	
6/19/2010	<2.5	
7/28/2010	<2.5	
9/8/2010	1	
4/30/2011	1.4	
10/27/2011	1.1	
5/4/2012	<2.5	
11/11/2012	<2.5	
5/10/2013	1.6	
11/7/2013	1	
5/21/2014	<2.5	
11/13/2014	<2.5	
5/23/2015	<2.5	
11/11/2015	<2.5	
4/19/2016	0.379 (J)	
10/10/2016	<2.5	
12/1/2016	<2.5	
2/9/2017	0.37 (J)	
4/7/2017	<2.5	
6/21/2017	<2.5	
8/15/2017	<2.5	
9/1/2017	<2.5	
10/9/2017	<2.5	
3/22/2018	<2.5	
10/4/2018	<2.5	
3/27/2019		<2.5
9/11/2019		<2.5
3/18/2020		<2.5
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/28/2011	<2	
5/2/2012	<2	
11/9/2012	<2	
5/8/2013	<2	
11/5/2013	3.6	
5/20/2014	<2	
11/12/2014	<2	
5/22/2015	<2	
11/11/2015	<2	
4/6/2016	<2	
6/15/2016	<2	
8/10/2016	<2	
10/4/2016	<2	
11/30/2016	<2	
2/7/2017	<2	
4/4/2017	<2	
6/20/2017	<2	
10/4/2017	<2	
3/20/2018	<2 (D)	
10/2/2018	<2	
3/26/2019		<2
9/10/2019		2.3 (J)
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:39 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	3 (J)	
6/16/2010	4.2 (J)	
7/27/2010	4.8 (J)	
9/7/2010	3.7 (J)	
4/29/2011	4.6 (J)	
10/28/2011	5	
5/2/2012	5.2	
11/9/2012	5.4	
5/8/2013	5.8	
11/6/2013	6.2 (J)	
5/20/2014	4.7 (J)	
11/8/2014	6.4 (J)	
5/22/2015	5.9 (J)	
11/9/2015	4.3 (J)	
4/6/2016	4.57 (J)	
6/15/2016	<10	
8/10/2016	4.2	
10/4/2016	5.2	
11/29/2016	4	
2/7/2017	4	
4/4/2017	2.1 (J)	
6/20/2017	4.6	
10/5/2017	5	
3/20/2018	4.4	
10/2/2018	4.3	
3/26/2019		4.6
9/10/2019		7.6
3/18/2020		4.4
9/9/2020		5



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	3.2 (J)	
6/16/2010	3.7 (J)	
7/26/2010	5.8	
9/7/2010	7.8	
4/29/2011	5	
10/28/2011	6.8	
5/2/2012	6.5	
11/9/2012	6	
5/8/2013	7.4	
11/6/2013	8.2 (J)	
5/20/2014	5.1 (J)	
11/8/2014	7.4 (J)	
5/22/2015	8.4 (J)	
11/9/2015	9 (J)	
4/6/2016	7.79 (J)	
6/15/2016	<10	
8/10/2016	6.8	
10/5/2016	7.6	
11/29/2016	4.5	
2/7/2017	6.7	
4/4/2017	7.9	
6/20/2017	8.4	
10/5/2017	6.1	
3/20/2018	6	
10/2/2018	6.1	
3/26/2019		6.5
9/10/2019		12
3/18/2020		8.3
9/9/2020		8.8

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	7.7	
6/17/2010	5.3	
7/27/2010	8.5	
9/9/2010	7.6	
4/28/2011	4.8 (J)	
10/29/2011	9.3	
5/3/2012	10	
11/9/2012	9	
5/9/2013	8.5	
11/5/2013	15	
5/23/2014	12	
11/13/2014	11	
5/23/2015	12	
11/11/2015	14	
4/12/2016	13.5	
6/16/2016	14	
8/11/2016	13	
10/4/2016	14	
11/30/2016	13	
2/7/2017	13	
4/5/2017	14	
6/20/2017	13	
10/4/2017	15	
3/20/2018	13	
10/2/2018	14	
3/26/2019		13
9/10/2019		18
3/18/2020		14
9/9/2020		14

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	11	
6/16/2010	9.5	
7/28/2010	10	
9/8/2010	11	
4/29/2011	9.6	
10/27/2011	11	
5/4/2012	10	
11/11/2012	10	
5/9/2013	11	
11/5/2013	15	
5/21/2014	13	
11/12/2014	12	
5/23/2015	14	
11/12/2015	16	
4/13/2016	15.2 (D)	
6/21/2016	16	
8/15/2016	15	
10/5/2016	16	
12/1/2016	15	
2/8/2017	17	
4/6/2017	18	
6/21/2017	17	
10/5/2017	18	
3/21/2018	17 (J+X)	
10/2/2018	18	
3/27/2019		17
9/11/2019		23
3/18/2020		20
9/9/2020		18

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	11	
6/16/2010	12	
7/27/2010	12	
9/8/2010	11	
4/29/2011	10	
10/27/2011	7.7	
5/4/2012	8.2	
11/10/2012	7	
5/9/2013	7.9	
11/6/2013	11	
5/20/2014	7.6 (J)	
11/12/2014	7.1 (J)	
5/24/2015	8.3 (J)	
11/12/2015	6.9 (J)	
4/13/2016	8.04 (JD)	
6/21/2016	8.6 (J)	
8/15/2016	7.3	
10/5/2016	7.7	
12/1/2016	7.5	
2/8/2017	7.8	
4/6/2017	7.9	
6/20/2017	7.8	
10/5/2017	8.1	
3/21/2018	<8.1 (X)	
10/2/2018	7.5	
3/27/2019		7
9/11/2019		11
3/18/2020		8.6
9/10/2020		9

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<2	
6/18/2010	<2	
7/27/2010	2 (J)	
9/8/2010	<2	
4/29/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/10/2012	<2	
5/9/2013	<2	
11/6/2013	3.1 (J)	
5/20/2014	2 (J)	
11/12/2014	<2	
5/23/2015	2.7 (J)	
11/12/2015	2.2 (J)	
4/13/2016	<2 (D)	
6/21/2016	1.2 (J)	
8/15/2016	2.1 (J)	
10/5/2016	1.3 (J)	
12/1/2016	1.5 (J)	
2/8/2017	1.6 (J)	
4/5/2017	1.4 (J)	
6/20/2017	1.5 (J)	
10/5/2017	1.5 (J)	
3/21/2018	<2 (XD)	
10/2/2018	1.2 (J)	
3/26/2019		1.3 (J)
9/11/2019		3.6
3/18/2020		1.6 (J)
9/10/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	5.1	
6/18/2010	4.3 (J)	
7/29/2010	5.8	
9/9/2010	5.2	
4/26/2011	2.5 (J)	
10/28/2011	3.5 (J)	
5/4/2012	7.3	
11/11/2012	4 (J)	
5/8/2013	6	
11/7/2013	6.8 (J)	
5/20/2014	3.9 (J)	
11/12/2014	3.9 (J)	
5/24/2015	4 (J)	
11/12/2015	7.7 (J)	
4/13/2016	3.8 (JD)	
6/21/2016	3.5 (J)	
8/15/2016	3.4	
10/7/2016	3.7	
12/1/2016	3.7	
2/9/2017	3.8	
4/6/2017	3.9	
6/22/2017	4.2	
10/6/2017	3.9	
3/22/2018	28 (O)	
10/3/2018	5.6	
3/26/2019		4.8
9/11/2019		7.5
3/18/2020		8
9/10/2020		5.4

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<2	
6/18/2010	<2	
7/28/2010	<2	
9/9/2010	<2	
4/30/2011	<2	
10/28/2011	<2	
5/3/2012	<2	
11/10/2012	<2	
5/8/2013	<2	
11/5/2013	3.6	
5/20/2014	<2	
11/12/2014	<2	
5/24/2015	<2	
11/11/2015	<2	
4/13/2016	<2 (D)	
6/21/2016	0.6 (J)	
8/15/2016	<2	
10/4/2016	<2	
12/1/2016	<2	
2/7/2017	<2	
4/6/2017	<2	
6/20/2017	<2	
10/5/2017	<2	
3/20/2018	<2	
10/2/2018	<2	
3/26/2019		<2
9/11/2019		3.8
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	12	
6/16/2010	14	
7/26/2010	13	
9/7/2010	15	
4/29/2011	14	
10/28/2011	14	
5/2/2012	17	
11/9/2012	14	
5/8/2013	17	
11/6/2013	17	
5/23/2014	13	
11/8/2014	18	
5/22/2015	20	
11/10/2015	13	
4/11/2016	13.9	
6/16/2016	14	
8/11/2016	16	
10/5/2016	14	
11/29/2016	13	
2/8/2017	13	
4/6/2017	14	
6/21/2017	13	
10/5/2017	14	
3/20/2018	14	
10/2/2018	14	
3/26/2019		14
9/11/2019		17
3/18/2020		14
9/9/2020		13



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	3.9 (J)	
6/16/2010	4.9 (J)	
7/27/2010	4.7 (J)	
9/7/2010	5.7	
4/29/2011	8.7	
10/28/2011	7.5	
5/2/2012	11	
11/9/2012	7.6	
5/9/2013	8.8	
11/6/2013	11	
5/22/2014	5.7 (J)	
11/8/2014	13	
5/23/2015	14	
11/10/2015	9.1 (J)	
4/11/2016	7.67 (J)	
6/16/2016	<10	
8/11/2016	8.5	
10/5/2016	10	
11/29/2016	8.7	
2/8/2017	9.3	
4/5/2017	9.8	
6/21/2017	9.4	
10/5/2017	9.6	
3/20/2018	9.7	
10/2/2018	9.7	
3/26/2019		9.1
9/12/2019		12
3/19/2020		12
9/9/2020		11

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	5.1	
6/19/2010	<11	
7/27/2010	10	
9/9/2010	7.2	
4/28/2011	7.7	
10/28/2011	11	
5/3/2012	11	
11/9/2012	8.9	
5/9/2013	8.9	
11/5/2013	11	
5/22/2014	10	
11/13/2014	8.4 (J)	
5/24/2015	9.5 (J)	
11/11/2015	11	
4/12/2016	12.2	
6/16/2016	<11	
8/11/2016	10	
10/4/2016	11	
11/30/2016	9.8	
2/7/2017	9.6	
4/6/2017	10	
6/20/2017	10	
10/4/2017	11	
3/20/2018	9.9	
10/2/2018	10	
3/26/2019		9.6
9/10/2019		14
3/18/2020		11
9/9/2020		10

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	6.3	
6/17/2010	5.3	
7/27/2010	6.4	
9/7/2010	7.8	
4/29/2011	6.5	
10/28/2011	9.2	
5/3/2012	11	
11/10/2012	7.3	
5/9/2013	9.8	
11/6/2013	11	
5/22/2014	9.7 (J)	
11/9/2014	12	
5/24/2015	16	
11/10/2015	8.8 (J)	
4/12/2016	9.65 (J)	
6/16/2016	<8.5	
8/11/2016	8.3	
10/5/2016	9.4	
11/30/2016	8.4	
2/8/2017	9.1	
4/6/2017	11	
6/21/2017	8.1	
10/5/2017	8.3	
3/21/2018	<8.5 (X)	
10/3/2018	9.1	
3/26/2019		9.2
9/12/2019		11
3/19/2020		9.4
9/10/2020		9

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	10	
6/17/2010	8.7	
7/28/2010	28 (O)	
9/7/2010	22	
4/29/2011	9.9	
10/28/2011	8.9	
5/3/2012	9.1	
11/9/2012	8	
5/10/2013	19	
11/6/2013	13	
5/22/2014	9.3 (J)	
11/9/2014	9.8 (J)	
5/22/2015	10	
11/10/2015	11	
4/12/2016	9.25 (JD)	
6/20/2016	7.6 (J)	
8/12/2016	7.9	
10/5/2016	8.5	
11/30/2016	8.6	
2/8/2017	11	
4/6/2017	9.8	
6/21/2017	11	
10/5/2017	10	
3/21/2018	<9.3 (X)	
10/3/2018	8.1	
3/26/2019		7.5
9/10/2019		9.2
3/18/2020		4.9
9/10/2020		6.1

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	4.6 (J)	
6/17/2010	7	
7/28/2010	8.4	
9/8/2010	7.1	
4/28/2011	8	
10/29/2011	5.4	
5/3/2012	6.5	
11/10/2012	5.9	
5/10/2013	8.3	
11/6/2013	9.9 (J)	
5/22/2014	4.9 (J)	
11/9/2014	6.8 (J)	
5/22/2015	8.7 (J)	
11/11/2015	8.4 (J)	
4/12/2016	4.19 (J)	
6/20/2016	4.3 (J)	
8/12/2016	3.7	
10/6/2016	6.2	
11/30/2016	4.3	
2/8/2017	5.2	
4/6/2017	5	
6/22/2017	5.2	
10/6/2017	4.9	
3/21/2018	<6.2 (X)	
10/3/2018	3.9	
3/26/2019		8.4
9/10/2019		6.7
3/19/2020		4.5
9/10/2020		5.5

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	4 (J)	
6/18/2010	5.6	
7/27/2010	5.1	
9/9/2010	3.7 (J)	
4/29/2011	3.6 (J)	
10/28/2011	2.6 (J)	
5/4/2012	3.1 (J)	
11/10/2012	<5	
5/9/2013	3.3 (J)	
11/6/2013	4.5 (J)	
5/22/2014	3.5 (J)	
11/9/2014	6.2 (J)	
5/24/2015	12	
11/11/2015	6.8 (J)	
4/19/2016	3.68 (J)	
6/22/2016	3.1 (J)	
8/16/2016	2.8	
10/6/2016	3	
12/1/2016	2.2 (J)	
2/9/2017	3.5	
4/6/2017	3.2	
6/21/2017	3.1	
10/5/2017	2.9	
3/22/2018	8.6 (J+X)	
10/3/2018	3	
3/27/2019		3.9
9/11/2019		7.9
3/18/2020		5.2
9/9/2020		4.8

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<12	
6/18/2010	6.3	
7/27/2010	4 (J)	
9/9/2010	5.3	
4/30/2011	3.5 (J)	
10/29/2011	4.8 (J)	
5/4/2012	6.4	
11/10/2012	8.4	
5/9/2013	4.1 (J)	
11/7/2013	7.7 (J)	
5/21/2014	4.4 (J)	
11/9/2014	7.1 (J)	
5/24/2015	10	
11/11/2015	5.3 (J)	
4/12/2016	4.93 (J)	
6/20/2016	4.3 (J)	
8/12/2016	3.7	
10/6/2016	4	
11/30/2016	3.5	
2/9/2017	4.1	
4/6/2017	3.8	
6/21/2017	4	
10/6/2017	3.8	
3/21/2018	<12 (X)	
10/3/2018	4.2	
3/26/2019		4.4
9/11/2019		7.8
3/18/2020		4.6
9/10/2020		4.9

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	7	
6/18/2010	11	
7/28/2010	9.2	
9/9/2010	10	
4/30/2011	12	
10/29/2011	12	
5/4/2012	13	
11/10/2012	9.7	
5/9/2013	13	
11/7/2013	13	
5/21/2014	9.1 (J)	
11/12/2014	9.7 (J)	
5/24/2015	18	
11/11/2015	8.6 (J)	
4/13/2016	9.24 (JD)	
6/20/2016	8.4 (J)	
8/15/2016	8.3	
10/6/2016	8.1	
12/1/2016	8.3	
2/9/2017	8.7	
4/7/2017	9	
6/22/2017	9.2	
10/6/2017	9.5	
3/22/2018	8.6 (J+X)	
10/4/2018	8.3	
3/27/2019		8.8
9/11/2019		13
3/19/2020		11
9/10/2020		9.8



PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<2	
6/19/2010	<2	
7/28/2010	3.4 (J)	
9/8/2010	14	
4/30/2011	22	
10/27/2011	6.4	
5/4/2012	5.9	
11/11/2012	11	
5/10/2013	38 (O)	
11/7/2013	12	
5/21/2014	4.8 (J)	
11/13/2014	23	
5/23/2015	15	
11/11/2015	16	
4/19/2016	8.6 (J)	
10/10/2016	5.2	
12/1/2016	6.2	
2/9/2017	9.1	
4/7/2017	<2	
6/21/2017	<2	
8/15/2017	<2	
9/1/2017	<2	
10/9/2017	<2	
3/22/2018	7.9 (J+X)	
10/4/2018	<2	
3/27/2019		<2
9/11/2019		5.2
3/18/2020		<2
9/9/2020		<2

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	9.7	
6/16/2010	7.4	
7/27/2010	6.8	
9/8/2010	7	
4/29/2011	6.2	
10/27/2011	8.4	
5/3/2012	9.9	
11/11/2012	7.3	
5/9/2013	8.5	
11/6/2013	13	
5/21/2014	9.7 (J)	
11/12/2014	7.2 (J)	
5/23/2015	9.5 (J)	
11/12/2015	4.6 (J)	
4/13/2016	6.27 (JD)	
6/22/2016	7.9 (J)	
8/15/2016	7.5	
10/6/2016	7.1	
12/1/2016	7	
2/8/2017	4.7	
4/6/2017	6	
6/21/2017	7.1	
10/5/2017	8	
3/21/2018	<4.6 (X)	
10/2/2018	8.1	
3/27/2019		6.4
9/11/2019		12
3/18/2020		6.6
9/9/2020		8.1

PRIVILEGED AND CONFIDENTIAL  
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Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<2.5	
6/18/2010	<2.5	
7/28/2010	<2.5	
9/9/2010	<2.5	
4/30/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/5/2013	<2.5	
5/20/2014	<2.5	
11/12/2014	<2.5	
5/22/2015	<2.5	
11/11/2015	<2.5	
4/6/2016	2.61 (O)	
6/15/2016	0.92 (J)	
8/10/2016	0.76 (J)	
10/4/2016	0.81 (J)	
11/30/2016	0.61 (J)	
2/7/2017	<2.5	
4/4/2017	0.84 (J)	
6/20/2017	1.2 (J)	
10/4/2017	0.87 (J)	
3/20/2018	1.8 (JD)	
10/2/2018	1.1 (J)	
3/26/2019		1.9 (J)
9/10/2019		1.2 (J)
3/18/2020		1.7 (J)
9/9/2020		1.6 (J)

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	3 (O)	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/8/2014	<2.5	
5/22/2015	<2.5	
11/9/2015	<2.5	
4/6/2016	<2.5	
6/15/2016	0.022 (J)	
8/10/2016	<2.5	
10/4/2016	<2.5	
11/29/2016	<2.5	
2/7/2017	<2.5	
4/4/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.31 (J)
3/18/2020		0.34 (J)
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<2.5	
6/16/2010	<2.5	
7/26/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/8/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/8/2014	<2.5	
5/22/2015	<2.5	
11/9/2015	<2.5	
4/6/2016	<2.5	
6/15/2016	0.084 (J)	
8/10/2016	<2.5	
10/5/2016	<2.5	
11/29/2016	<2.5	
2/7/2017	<2.5	
4/4/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.52 (J)
3/18/2020		<2.5
9/9/2020		0.19 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<2.5	
6/17/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/28/2011	<2.5	
10/29/2011	<2.5	
5/3/2012	<2.5	
11/9/2012	<2.5	
5/9/2013	<2.5	
11/5/2013	<2.5	
5/23/2014	<2.5	
11/13/2014	<2.5	
5/23/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/16/2016	<2.5	
8/11/2016	<2.5	
10/4/2016	<2.5	
11/30/2016	<2.5	
2/7/2017	<2.5	
4/5/2017	<2.5	
6/20/2017	<2.5	
10/4/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		<2.5
3/18/2020		0.17 (J)
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/8/2010	<2.5	
4/29/2011	<2.5	
10/27/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/20/2014	<2.5	
11/12/2014	<2.5	
5/24/2015	<2.5	
11/12/2015	<2.5	
4/13/2016	<2.5 (D)	
6/21/2016	<2.5	
8/15/2016	<2.5	
10/5/2016	<2.5	
12/1/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/20/2017	<2.5	
10/5/2017	<2.5	
3/21/2018	<2.5	
10/2/2018	<2.5	
3/27/2019		<2.5
9/11/2019		<2.5
3/18/2020		<2.5
9/10/2020		0.33 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.4	
6/18/2010	<0.4	
7/27/2010	<0.4	
9/8/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/6/2013	<0.4	
5/20/2014	<0.4	
11/12/2014	<0.4	
5/23/2015	<0.4	
11/12/2015	<0.4	
4/13/2016	<0.4 (D)	
6/21/2016	0.4 (J)	
8/15/2016	0.42 (J)	
10/5/2016	0.49 (J)	
12/1/2016	<0.4	
2/8/2017	<0.4	
4/5/2017	<0.4	
6/20/2017	0.4 (J)	
10/5/2017	0.41 (J)	
3/21/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/11/2019		0.42 (J)
3/18/2020		0.13 (J)
9/10/2020		0.57 (J)



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.4	
6/16/2010	<0.4	
7/26/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/2/2012	<0.4	
11/9/2012	<0.4	
5/8/2013	<0.4	
11/6/2013	<0.4	
5/23/2014	<0.4	
11/8/2014	<0.4	
5/22/2015	3.2 (O)	
11/10/2015	<0.4	
4/11/2016	<0.4	
6/16/2016	<0.4	
8/11/2016	<0.4	
10/5/2016	<0.4	
11/29/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	<0.4	
6/21/2017	<0.4	
10/5/2017	<0.4	
3/20/2018	<0.4	
10/2/2018	<0.4	
3/26/2019		<0.4
9/11/2019		0.23 (J)
3/18/2020		0.18 (J)
9/9/2020		0.14 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/7/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/2/2012	<2.5	
11/9/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/22/2014	<2.5	
11/8/2014	<2.5	
5/23/2015	<2.5	
11/10/2015	<2.5	
4/11/2016	<2.5	
6/16/2016	<2.5	
8/11/2016	<2.5	
10/5/2016	<2.5	
11/29/2016	<2.5	
2/8/2017	<2.5	
4/5/2017	<2.5	
6/21/2017	<2.5	
10/5/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/12/2019		0.21 (J)
3/19/2020		0.14 (J)
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<2.5	
6/19/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/28/2011	<2.5	
10/28/2011	<2.5	
5/3/2012	<2.5	
11/9/2012	<2.5	
5/9/2013	<2.5	
11/5/2013	<2.5	
5/22/2014	<2.5	
11/13/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/16/2016	<2.5	
8/11/2016	<2.5	
10/4/2016	<2.5	
11/30/2016	<2.5	
2/7/2017	<2.5	
4/6/2017	<2.5	
6/20/2017	<2.5	
10/4/2017	<2.5	
3/20/2018	<2.5	
10/2/2018	<2.5	
3/26/2019		<2.5
9/10/2019		0.15 (J)
3/18/2020		<2.5
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.4	
6/17/2010	<0.4	
7/27/2010	<0.4	
9/7/2010	<0.4	
4/29/2011	<0.4	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/6/2013	<0.4	
5/22/2014	<0.4	
11/9/2014	<0.4	
5/24/2015	<0.4	
11/10/2015	<0.4	
4/12/2016	<0.4	
6/16/2016	0.12 (J)	
8/11/2016	<0.4	
10/5/2016	<0.4	
11/30/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	0.5 (J)	
6/21/2017	<0.4	
10/5/2017	<0.4	
3/21/2018	<0.4	
10/3/2018	<0.4	
3/26/2019		<0.4
9/12/2019		0.21 (J)
3/19/2020		0.26 (J)
9/10/2020		0.18 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.4	
6/17/2010	<0.4	
7/28/2010	3.4 (O)	
9/7/2010	<0.4	
4/29/2011	3.7 (O)	
10/28/2011	<0.4	
5/3/2012	<0.4	
11/9/2012	<0.4	
5/10/2013	<0.4	
11/6/2013	<0.4	
5/22/2014	<0.4	
11/9/2014	<0.4	
5/22/2015	<0.4	
11/10/2015	<0.4	
4/12/2016	<0.4 (D)	
6/20/2016	0.1 (J)	
8/12/2016	0.42 (J)	
10/5/2016	<0.4	
11/30/2016	<0.4	
2/8/2017	<0.4	
4/6/2017	<0.4	
6/21/2017	0.42 (J)	
10/5/2017	<0.4	
3/21/2018	<0.4	
10/3/2018	<0.4	
3/26/2019		<0.4
9/10/2019		0.28 (J)
3/18/2020		0.14 (J)
9/10/2020		0.23 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<2.5	
6/17/2010	<2.5	
7/28/2010	<2.5	
9/8/2010	<2.5	
4/28/2011	<2.5	
10/29/2011	<2.5	
5/3/2012	<2.5	
11/10/2012	<2.5	
5/10/2013	<2.5	
11/6/2013	<2.5	
5/22/2014	<2.5	
11/9/2014	<2.5	
5/22/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/20/2016	0.16 (J)	
8/12/2016	<2.5	
10/6/2016	0.68 (J)	
11/30/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/22/2017	<2.5	
10/6/2017	<2.5	
3/21/2018	<2.5	
10/3/2018	<2.5	
3/26/2019		0.96 (J)
9/10/2019		<2.5
3/19/2020		0.21 (J)
9/10/2020		0.32 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<2.5	
6/18/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/29/2011	<2.5	
10/28/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/22/2014	<2.5	
11/9/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/19/2016	<2.5	
6/22/2016	<2.5	
8/16/2016	<2.5	
10/6/2016	<2.5	
12/1/2016	<2.5	
2/9/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/5/2017	<2.5	
3/22/2018	<2.5	
10/3/2018	<2.5	
3/27/2019		<2.5
9/11/2019		0.099 (J)
3/18/2020		<2.5
9/9/2020		<2.5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<2.5	
6/18/2010	<2.5	
7/27/2010	<2.5	
9/9/2010	<2.5	
4/30/2011	<2.5	
10/29/2011	<2.5	
5/4/2012	<2.5	
11/10/2012	<2.5	
5/9/2013	<2.5	
11/7/2013	<2.5	
5/21/2014	<2.5	
11/9/2014	<2.5	
5/24/2015	<2.5	
11/11/2015	<2.5	
4/12/2016	<2.5	
6/20/2016	0.03 (J)	
8/12/2016	<2.5	
10/6/2016	<2.5	
11/30/2016	<2.5	
2/9/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/6/2017	<2.5	
3/21/2018	<2.5	
10/3/2018	<2.5	
3/26/2019		<2.5
9/11/2019		0.087 (J)
3/18/2020		<2.5
9/10/2020		<2.5



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.4	
6/18/2010	<0.4	
7/28/2010	<0.4	
9/9/2010	<0.4	
4/30/2011	<0.4	
10/29/2011	<0.4	
5/4/2012	<0.4	
11/10/2012	<0.4	
5/9/2013	<0.4	
11/7/2013	<0.4	
5/21/2014	<0.4	
11/12/2014	<0.4	
5/24/2015	<0.4	
11/11/2015	<0.4	
4/13/2016	<0.4 (D)	
6/20/2016	0.086 (J)	
8/15/2016	<0.4	
10/6/2016	<0.4	
12/1/2016	<0.4	
2/9/2017	<0.4	
4/7/2017	<0.4	
6/22/2017	<0.4	
10/6/2017	<0.4	
3/22/2018	<0.4	
10/4/2018	<0.4	
3/27/2019		<0.4
9/11/2019		0.16 (J)
3/19/2020		0.13 (J)
9/10/2020		0.38 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/22/2020 8:57 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<2.5	
6/19/2010	<2.5	
7/28/2010	<2.5	
9/8/2010	<2.5	
4/30/2011	6.3 (O)	
10/27/2011	<2.5	
5/4/2012	<2.5	
11/11/2012	<2.5	
5/10/2013	6.8 (O)	
11/7/2013	<2.5	
5/21/2014	<2.5	
11/13/2014	4.6	
5/23/2015	<2.5	
11/11/2015	<2.5	
4/19/2016	<2.5	
10/10/2016	<2.5	
12/1/2016	0.68 (J)	
2/9/2017	0.9 (J)	
4/7/2017	1.1 (J)	
6/21/2017	0.64 (J)	
8/15/2017	1 (J)	
9/1/2017	0.89 (J)	
10/9/2017	0.85 (J)	
3/22/2018	<0.4 (o)	
10/4/2018	0.48 (J)	
3/27/2019		1.2 (J)
9/11/2019		0.85 (J)
3/18/2020		2.7
9/9/2020		4.3

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<2.5	
6/16/2010	<2.5	
7/27/2010	<2.5	
9/8/2010	<2.5	
4/29/2011	<2.5	
10/27/2011	<2.5	
5/3/2012	<2.5	
11/11/2012	<2.5	
5/9/2013	<2.5	
11/6/2013	<2.5	
5/21/2014	<2.5	
11/12/2014	<2.5	
5/23/2015	<2.5	
11/12/2015	<2.5	
4/13/2016	<2.5 (D)	
6/22/2016	<2.5	
8/15/2016	<2.5	
10/6/2016	<2.5	
12/1/2016	<2.5	
2/8/2017	<2.5	
4/6/2017	<2.5	
6/21/2017	<2.5	
10/5/2017	<2.5	
3/21/2018	<2.5	
10/2/2018	<2.5	
3/27/2019		<2.5
9/11/2019		0.16 (J)
3/18/2020		<2.5
9/9/2020		0.23 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	2.1 (J)	
6/16/2010	2.8 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	3.2 (J)	
10/28/2011	2.5 (J)	
5/2/2012	<1	
11/9/2012	2.4 (J)	
5/8/2013	5.1	
11/6/2013	3.3 (J)	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	3.6 (J)	
11/9/2015	3.9 (J)	
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		0.16 (J)
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<1	
6/16/2010	2.1 (J)	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	2.4 (J)	
10/28/2011	2 (J)	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	3.4 (J)	
11/6/2013	2.8 (J)	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	3.2 (J)	
11/9/2015	<1	
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		<1
9/10/2019		0.22 (J)
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<1	
6/17/2010	2.6 (J)	
7/27/2010	<1	
9/9/2010	<1	
4/28/2011	3.6 (J)	
10/29/2011	3.8 (J)	
5/3/2012	<1	
11/9/2012	2.4 (J)	
5/9/2013	8.5	
11/5/2013	4.2 (J)	
5/23/2014	<1	
11/13/2014	<1	
5/23/2015	4.4 (J)	
11/11/2015	4.2 (J)	
4/12/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	<1	
4/5/2017	<1	
6/20/2017	<1	
10/4/2017	0.67 (J)	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		<1
9/10/2019		<1
3/18/2020		0.23 (J)
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<1	
6/16/2010	2 (J)	
7/28/2010	<1	
9/8/2010	<1	
4/29/2011	3 (J)	
10/27/2011	2.7 (J)	
5/4/2012	<1	
11/11/2012	2.2 (J)	
5/9/2013	7	
11/5/2013	4.8 (J)	
5/21/2014	<1	
11/12/2014	2 (J)	
5/23/2015	3.5 (J)	
11/12/2015	3.2 (J)	
4/13/2016	<1 (D)	
6/21/2016	<1	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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	3.2 (J)	
10/27/2011	2.7 (J)	
5/4/2012	<0.001	
11/10/2012	2.5 (J)	
5/9/2013	5.1	
11/6/2013	3.7 (J)	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	3.7 (J)	
11/12/2015	3.8 (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		1.7
9/10/2020		0.14 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<1	
6/18/2010	2.1	
7/29/2010	<1	
9/9/2010	<1	
4/26/2011	<1	
10/28/2011	<1	
5/4/2012	<1	
11/11/2012	<1	
5/8/2013	3.6	
11/7/2013	<1	
5/20/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/12/2015	<1	
4/13/2016	<1 (D)	
6/21/2016	<1	
8/15/2016	<1	
10/7/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/22/2017	<1	
10/6/2017	0.61 (J)	
3/22/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/11/2019		<1
3/18/2020		<1
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<1	
6/18/2010	<1	
7/28/2010	<1	
9/9/2010	<1	
4/30/2011	<1	
10/28/2011	<1	
5/3/2012	<1	
11/10/2012	<1	
5/8/2013	2.4	
11/5/2013	2.8	
5/20/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/11/2015	<1	
4/13/2016	<1 (D)	
6/21/2016	<1	
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		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<1	
6/16/2010	2.3 (J)	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	3.3 (J)	
10/28/2011	2.3 (J)	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	5.2	
11/6/2013	3 (J)	
5/23/2014	<1	
11/8/2014	<1	
5/22/2015	2.3 (J)	
11/10/2015	2.5 (J)	
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		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<1	
6/16/2010	2.2 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	2.9 (J)	
10/28/2011	2.1 (J)	
5/2/2012	<1	
11/9/2012	2 (J)	
5/9/2013	5.6	
11/6/2013	3.5 (J)	
5/22/2014	<1	
11/8/2014	<1	
5/23/2015	4.7 (J)	
11/10/2015	4.4 (J)	
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	0.9 (J)	
6/21/2017	<1	
10/5/2017	1.5	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		<1
9/12/2019		<1
3/19/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<1	
6/19/2010	3 (J)	
7/27/2010	<1	
9/9/2010	<1	
4/28/2011	3.7 (J)	
10/28/2011	3 (J)	
5/3/2012	<1	
11/9/2012	3 (J)	
5/9/2013	6.3	
11/5/2013	4.3 (J)	
5/22/2014	<1	
11/13/2014	2.1 (J)	
5/24/2015	4.3 (J)	
11/11/2015	3.2 (J)	
4/12/2016	<1	
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		<1
9/10/2019		<1
3/18/2020		0.14 (J)
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	2.6 (J)	
6/17/2010	2.1 (J)	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	3.2 (J)	
10/28/2011	2.5 (J)	
5/3/2012	<1	
11/10/2012	<1	
5/9/2013	5.6	
11/6/2013	3.2 (J)	
5/22/2014	<1	
11/9/2014	<1	
5/24/2015	4.4 (J)	
11/10/2015	3.8 (J)	
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		<1
9/12/2019		<1
3/19/2020		<1
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	11	
6/17/2010	2.7 (J)	
7/28/2010	<1	
9/7/2010	<1	
4/29/2011	3.8 (J)	
10/28/2011	<1	
5/3/2012	<1	
11/9/2012	2.9 (J)	
5/10/2013	6.1	
11/6/2013	2.5 (J)	
5/22/2014	<1	
11/9/2014	<1	
5/22/2015	3.4 (J)	
11/10/2015	2.1 (J)	
4/12/2016	<1 (D)	
6/20/2016	<1	
8/12/2016	<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	0.37 (J)	
3/26/2019		<1
9/10/2019		<1
3/18/2020		<1
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<1	
6/17/2010	<1	
7/28/2010	<1	
9/8/2010	2 (J)	
4/28/2011	4.2 (J)	
10/29/2011	3.6 (J)	
5/3/2012	<1	
11/10/2012	2.3 (J)	
5/10/2013	6.2	
11/6/2013	4.3 (J)	
5/22/2014	<1	
11/9/2014	<1	
5/22/2015	4.6 (J)	
11/11/2015	2.8 (J)	
4/12/2016	<1	
6/20/2016	<1	
8/12/2016	<1	
10/6/2016	<1	
11/30/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/22/2017	<1	
10/6/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/10/2019		<1
3/19/2020		0.19 (J)
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<1	
6/18/2010	2.4	
7/27/2010	<1	
9/9/2010	<1	
4/29/2011	2.8	
10/28/2011	<1	
5/4/2012	<1	
11/10/2012	<1	
5/9/2013	6.1	
11/6/2013	3.4	
5/22/2014	<1	
11/9/2014	<1	
5/24/2015	9.3 (O)	
11/11/2015	7.1	
4/19/2016	<1	
6/22/2016	<1	
8/16/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/22/2018	<1	
10/3/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWC-6	GWC-6
5/11/2010	<1	
6/18/2010	<1	
7/27/2010	<1	
9/9/2010	<1	
4/30/2011	3.4 (J)	
10/29/2011	4.1 (J)	
5/4/2012	<1	
11/10/2012	2.3 (J)	
5/9/2013	6.7	
11/7/2013	4.8 (J)	
5/21/2014	<1	
11/9/2014	<1	
5/24/2015	4.5 (J)	
11/11/2015	4.8 (J)	
4/12/2016	<1	
6/20/2016	<1	
8/12/2016	<1	
10/6/2016	<1	
11/30/2016	<1	
2/9/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/6/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/11/2019		<1
3/18/2020		<1
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<1	
6/18/2010	2.7 (J)	
7/28/2010	<1	
9/9/2010	2 (J)	
4/30/2011	3.7 (J)	
10/29/2011	2.5 (J)	
5/4/2012	<1	
11/10/2012	3 (J)	
5/9/2013	6.4	
11/7/2013	3.7 (J)	
5/21/2014	<1	
11/12/2014	<1	
5/24/2015	5.3 (J)	
11/11/2015	2.2 (J)	
4/13/2016	<1 (D)	
6/20/2016	<1	
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		<1
9/11/2019		<1
3/19/2020		<1
9/10/2020		0.17 (J)



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<1	
6/19/2010	<1	
7/28/2010	<1	
9/8/2010	2.3 (J)	
4/30/2011	11 (O)	
10/27/2011	5.5	
5/4/2012	2.9 (J)	
11/11/2012	5.2	
5/10/2013	23 (O)	
11/7/2013	8.3	
5/21/2014	<1	
11/13/2014	8.5	
5/23/2015	7.7	
11/11/2015	8	
4/19/2016	<1	
10/10/2016	<1	
12/1/2016	0.47 (J)	
2/9/2017	1.2 (J)	
4/7/2017	<1	
6/21/2017	<1	
8/15/2017	<1	
9/1/2017	<1	
10/9/2017	<1	
3/22/2018	<1	
10/4/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<1	
6/16/2010	3 (J)	
7/27/2010	<1	
9/8/2010	<1	
4/29/2011	3.9 (J)	
10/27/2011	4.3 (J)	
5/3/2012	<1	
11/11/2012	2.5 (J)	
5/9/2013	6.7	
11/6/2013	6.9	
5/21/2014	<1	
11/12/2014	2 (J)	
5/23/2015	3 (J)	
11/12/2015	4.4 (J)	
4/13/2016	<1 (D)	
6/22/2016	<1	
8/15/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019		<1
9/11/2019		<1
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/5/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/22/2015	<5	
11/11/2015	<5	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/4/2016	<5	
11/30/2016	<5	
2/7/2017	<5	
4/4/2017	0.67 (J)	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (D)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/9/2015	4.3	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/4/2016	<5	
11/29/2016	0.24 (J)	
2/7/2017	<5	
4/4/2017	1.7	
6/20/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<5	
6/16/2010	<5	
7/26/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	4.4	
11/6/2013	<5	
5/20/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/9/2015	<5	
4/6/2016	<5	
6/15/2016	<5	
8/10/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/7/2017	<5	
4/4/2017	<5	
6/20/2017	<5	
10/5/2017	0.27 (J)	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<5	
6/17/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/28/2011	<5	
10/29/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/23/2014	<5	
11/13/2014	<5	
5/23/2015	5.3	
11/11/2015	<5	
4/12/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/4/2016	0.37 (J)	
11/30/2016	<5	
2/7/2017	<5	
4/5/2017	<5	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (X)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<5	
6/16/2010	<5	
7/28/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/11/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/23/2015	4.3	
11/12/2015	4.6	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/2/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/24/2015	5	
11/12/2015	4.2	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	0.31 (J)	
6/20/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/2/2018	<5	
3/27/2019		<5
3/18/2020		<5
9/10/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<5	
6/18/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/28/2011	4	
5/3/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/23/2015	<5	
11/12/2015	<5	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/5/2017	<5	
6/20/2017	<5	
10/5/2017	<5	
3/21/2018	<5 (D)	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5
9/10/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/10/2012	<5	
5/8/2013	<5	
11/5/2013	<5	
5/20/2014	<5	
11/12/2014	<5	
5/24/2015	<5	
11/11/2015	5.2	
4/13/2016	<5 (D)	
6/21/2016	<5	
8/15/2016	<5	
10/4/2016	<5	
12/1/2016	0.25 (J)	
2/7/2017	<5	
4/6/2017	<5	
6/20/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5
9/9/2020		<5



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<5	
6/16/2010	<5	
7/26/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/8/2013	<5	
11/6/2013	<5	
5/23/2014	<5	
11/8/2014	<5	
5/22/2015	<5	
11/10/2015	4.1	
4/11/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/2/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/22/2014	<5	
11/8/2014	<5	
5/23/2015	<5	
11/10/2015	4.4	
4/11/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/5/2016	<5	
11/29/2016	<5	
2/8/2017	<5	
4/5/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/20/2018	<5	
10/2/2018	<5	
3/26/2019		<5
9/12/2019		<5
3/19/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<5	
6/19/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/28/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/9/2013	<5	
11/5/2013	<5	
5/22/2014	<5	
11/13/2014	<5	
5/24/2015	4.4	
11/11/2015	4.5	
4/12/2016	<5	
6/16/2016	<5	
8/11/2016	<5	
10/4/2016	<5	
11/30/2016	<5	
2/7/2017	<5	
4/6/2017	2.3	
6/20/2017	<5	
10/4/2017	<5	
3/20/2018	<5 (X)	
10/2/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<5	
6/17/2010	<5	
7/28/2010	<5	
9/7/2010	<5	
4/29/2011	<5	
10/28/2011	<5	
5/3/2012	<5	
11/9/2012	<5	
5/10/2013	<5	
11/6/2013	<5	
5/22/2014	<5	
11/9/2014	<5	
5/22/2015	<5	
11/10/2015	<5	
4/12/2016	<5 (D)	
6/20/2016	<5	
8/12/2016	0.36 (J)	
10/5/2016	<5	
11/30/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5	
10/3/2018	<5	
3/26/2019		<5
9/10/2019		<5
3/18/2020		<5
9/10/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<5	
6/18/2010	<5	
7/27/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/29/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/9/2014	<5	
5/24/2015	<5	
11/11/2015	7	
4/12/2016	<5	
6/20/2016	0.32 (J)	
8/12/2016	0.35 (J)	
10/6/2016	0.29 (J)	
11/30/2016	0.26 (J)	
2/9/2017	<5	
4/6/2017	<5	
6/21/2017	0.31 (J)	
10/6/2017	<5	
3/21/2018	<5 (X)	
10/3/2018	0.56 (J)	
3/26/2019		<5
9/11/2019		<5
3/18/2020		<5
9/10/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<5	
6/18/2010	<5	
7/28/2010	<5	
9/9/2010	<5	
4/30/2011	<5	
10/29/2011	<5	
5/4/2012	<5	
11/10/2012	<5	
5/9/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/24/2015	5.3	
11/11/2015	4.9	
4/13/2016	<5 (D)	
6/20/2016	<5	
8/15/2016	<5	
10/6/2016	<5	
12/1/2016	<5	
2/9/2017	<5	
4/7/2017	<5	
6/22/2017	<5	
10/6/2017	<5	
3/22/2018	<5	
10/4/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/19/2020		<5
9/10/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<5	
6/19/2010	<5	
7/28/2010	<5	
9/8/2010	<5	
4/30/2011	<5	
10/27/2011	<5	
5/4/2012	<5	
11/11/2012	<5	
5/10/2013	<5	
11/7/2013	<5	
5/21/2014	<5	
11/13/2014	<5	
5/23/2015	4.5	
11/11/2015	4.3	
4/19/2016	<5	
10/10/2016	<5	
12/1/2016	<5	
2/9/2017	<5	
4/7/2017	<5	
6/21/2017	<5	
8/15/2017	<5	
9/1/2017	0.44 (J)	
10/9/2017	<5	
3/22/2018	0.32 (J)	
10/4/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5
9/9/2020		<5

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<5	
6/16/2010	<5	
7/27/2010	<5	
9/8/2010	<5	
4/29/2011	<5	
10/27/2011	<5	
5/3/2012	<5	
11/11/2012	<5	
5/9/2013	<5	
11/6/2013	<5	
5/21/2014	<5	
11/12/2014	<5	
5/23/2015	<5	
11/12/2015	6.5	
4/13/2016	<5 (D)	
6/22/2016	<5	
8/15/2016	<5	
10/6/2016	<5	
12/1/2016	<5	
2/8/2017	<5	
4/6/2017	<5	
6/21/2017	<5	
10/5/2017	<5	
3/21/2018	<5 (X)	
10/2/2018	<5	
3/27/2019		<5
9/11/2019		<5
3/18/2020		<5
9/9/2020		<5



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<1	
6/18/2010	<1	
7/28/2010	<1	
9/9/2010	<1	
4/30/2011	<1	
10/28/2011	<1	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	<1	
11/5/2013	<1	
5/20/2014	<1	
11/12/2014	<1	
5/22/2015	<1	
11/11/2015	<1	
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/4/2017	<1	
3/20/2018	<1 (D)	
10/2/2018	<1	
3/26/2019		<1
9/10/2019		<1
3/18/2020		<1
9/9/2020		0.25 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<1	
6/16/2010	<1	
7/27/2010	<1	
9/7/2010	<1	
4/29/2011	<1	
10/28/2011	<1	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	0.3	
11/6/2013	<1	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	<1	
11/9/2015	<1	
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		0.21 (J)
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<1	
6/16/2010	<1	
7/26/2010	<1	
9/7/2010	<1	
4/29/2011	<1	
10/28/2011	<1	
5/2/2012	<1	
11/9/2012	<1	
5/8/2013	<1	
11/6/2013	<1	
5/20/2014	<1	
11/8/2014	<1	
5/22/2015	<1	
11/9/2015	<1	
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		<1
9/10/2019		0.23 (J)
3/18/2020		<1
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<1	
6/17/2010	<1	
7/27/2010	<1	
9/9/2010	<1	
4/28/2011	<1	
10/29/2011	<1	
5/3/2012	<1	
11/9/2012	<1	
5/9/2013	<1	
11/5/2013	<1	
5/23/2014	<1	
11/13/2014	<1	
5/23/2015	<1	
11/11/2015	<1	
4/12/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	<1	
4/5/2017	<1	
6/20/2017	<1	
10/4/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		<1
9/10/2019		<1
3/18/2020		0.49 (J)
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<1	
6/19/2010	<1	
7/27/2010	<1	
9/9/2010	<1	
4/28/2011	<1	
10/28/2011	<1	
5/3/2012	<1	
11/9/2012	<1	
5/9/2013	<1	
11/5/2013	<1	
5/22/2014	<1	
11/13/2014	<1	
5/24/2015	<1	
11/11/2015	<1	
4/12/2016	<1	
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		<1
9/10/2019		<1
3/18/2020		0.25 (J)
9/9/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<1	
6/17/2010	<1	
7/28/2010	<1	
9/8/2010	<1	
4/28/2011	<1	
10/29/2011	<1	
5/3/2012	<1	
11/10/2012	<1	
5/10/2013	<1	
11/6/2013	<1	
5/22/2014	<1	
11/9/2014	<1	
5/22/2015	<1	
11/11/2015	<1	
4/12/2016	<1	
6/20/2016	<1	
8/12/2016	<1	
10/6/2016	<1	
11/30/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/22/2017	<1	
10/6/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019		<1
9/10/2019		<1
3/19/2020		0.36 (J)
9/10/2020		<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (ug/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<1	
6/18/2010	<1	
7/28/2010	<1	
9/9/2010	<1	
4/30/2011	<1	
10/29/2011	0.27	
5/4/2012	<1	
11/10/2012	<1	
5/9/2013	<1	
11/7/2013	0.26	
5/21/2014	<1	
11/12/2014	<1	
5/24/2015	<1	
11/11/2015	<1	
4/13/2016	<1 (D)	
6/20/2016	<1	
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		<1
9/11/2019		<1
3/19/2020		<1
9/10/2020		0.19 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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



PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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



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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

PRIVILEGED AND CONFIDENTIAL  
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	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

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	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



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	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

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/21/2020 7:40 PM View: PL's Intra State  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	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

# FIGURE E.



## State Interwell Prediction Limit Summary for Intrawell PL Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:06 AM

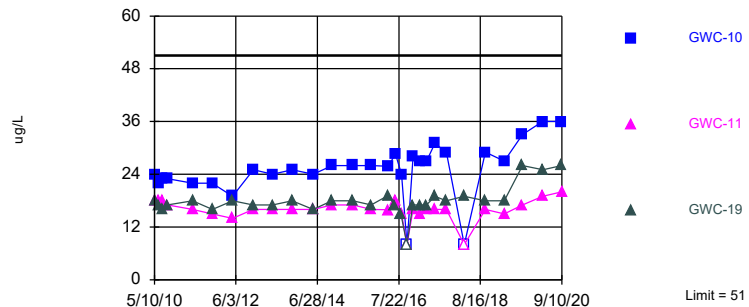
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-11	0.0084	n/a	9/10/2020	0.018	Yes	72	n/a	n/a	n/a	93.06	n/a	n/a	0.0003627	NP (NDs) 1 of 2

**PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit  
Interwell Non-parametric**



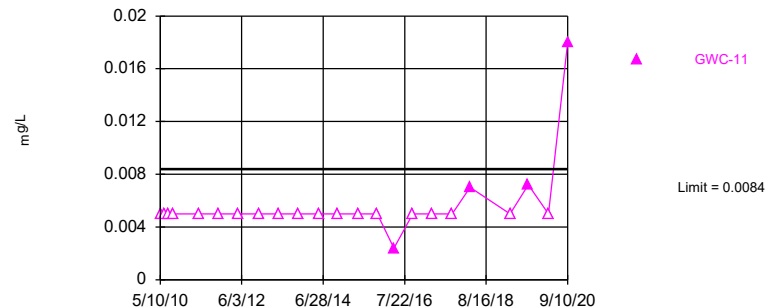
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 87 background values. 2.299% NDs. Annual per-constituent alpha = 0.008547. Individual comparison alpha = 0.0002524 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Barium, Total Analysis Run 11/22/2020 9:05 AM View: PL's Inter for Intra Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit: GWC-11

**Prediction Limit  
Interwell Non-parametric**



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 72 background values. 93.06% NDs. Annual per-constituent alpha = 0.01226. Individual comparison alpha = 0.0003627 (1 of 2). Assumes 16 future values.

Constituent: Zinc Analysis Run 11/22/2020 9:05 AM View: PL's Inter for Intra Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (ug/L) Analysis Run 11/22/2020 9:06 AM View: PL's Inter for Intra Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWA-15 (bg)	GWC-10	GWC-11	GWC-19
5/8/2010	48 (J)					
5/9/2010		31 (J)	10 (J)			
5/10/2010				24 (J)	18 (J)	
5/11/2010						18 (J)
6/16/2010	44 (J)	29 (J)		22 (J)	18 (J)	17 (J)
6/18/2010			10 (J)			
7/26/2010	42 (J)					
7/27/2010		29 (J)			18 (J)	16 (J)
7/28/2010			11 (J)	23 (J)		
9/7/2010	40 (J)	28 (J)				17 (J)
9/8/2010				23 (J)	17 (J)	
9/9/2010			11 (J)			
4/29/2011	38 (J)	26 (J)		22 (J)	16 (J)	18 (J)
4/30/2011			9.1 (J)			
10/27/2011				22	15	
10/28/2011	34	25	9.6 (J)			16
5/2/2012	30	25	12			18
5/4/2012				19	14	
11/9/2012	39 (V)	28 (V)	12 (V)			17 (V)
11/10/2012					16 (V)	
11/11/2012				25 (V)		
5/8/2013	34	29	10			
5/9/2013				24	16	17
11/5/2013			9.8 (J)	25		
11/6/2013	32	26			16	18 (V)
5/20/2014	30	25	8.1 (J)		16	
5/21/2014				24		
5/22/2014						16
11/8/2014	31	26				18
11/12/2014			9.8 (J)	26	17	
5/22/2015	33	26	8.8 (J)			
5/23/2015				26		18
5/24/2015					17	
11/9/2015	34	24				
11/10/2015						17
11/11/2015			11			
11/12/2015				26	16	
4/6/2016	34.7	26	9.59 (J)			
4/11/2016						19.1
4/13/2016				25.8 (D)	15.9 (D)	
6/15/2016	29	23	9.1 (J)			
6/16/2016						17
6/21/2016				28.6	18	
8/10/2016	27	22	9			
8/11/2016						15
8/15/2016				24	15	
10/4/2016		24	<16			
10/5/2016	<16			<16	<16	<16
11/29/2016	24	23				17
11/30/2016			11			
12/1/2016				28	16	
2/7/2017	29	24	9.9			

## Prediction Limit

Constituent: Barium, Total (ug/L) Analysis Run 11/22/2020 9:06 AM View: PL's Inter for Intra Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWA-15 (bg)	GWC-10	GWC-11	GWC-19
2/8/2017				27	15	17
4/4/2017	30	22	9.2			
4/5/2017						17
4/6/2017				27	16	
6/20/2017	36	25	9.9		16	
6/21/2017				31		19
10/4/2017			9.8			
10/5/2017	27	23		29	16	18
3/20/2018	27	23	10			19
3/21/2018				<16 (X)	<16 (X)	
10/2/2018	27	23	9.9	29	16	18
3/26/2019	31	24	9.9			18
3/27/2019				27	15	
9/10/2019	51	39	11			
9/11/2019				33	17	
9/12/2019						26
3/18/2020	31	27	10	36	19	
3/19/2020						25
9/9/2020	33	24	10	36		26
9/10/2020					20	

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**Prediction Limit**

Constituent: Zinc (mg/L) Analysis Run 11/22/2020 9:06 AM View: PL's Inter for Intra Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-11
5/8/2010	<0.005			
5/9/2010		<0.005	<0.005	
5/10/2010				<0.005
6/16/2010	<0.005		<0.005	<0.005
6/18/2010		<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	
9/8/2010				<0.005
9/9/2010		<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	
5/2/2012	<0.005	<0.005	<0.005	
5/4/2012				<0.005
11/9/2012	<0.005	<0.005	<0.005	
11/10/2012				<0.005
5/8/2013	<0.005	<0.005	<0.005	
5/9/2013				<0.005
11/5/2013		<0.005		
11/6/2013	<0.005		<0.005	<0.005
5/20/2014	<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005		<0.005	
11/12/2014		<0.005		<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		
11/12/2015				<0.005
4/6/2016	0.00274 (J)	<0.005	<0.005	
4/13/2016				0.00241 (JD)
10/4/2016		<0.005	<0.005	
10/5/2016	0.0073 (J)			<0.005
4/4/2017	<0.005	<0.005	<0.005	
4/6/2017				<0.005
10/4/2017		<0.005		
10/5/2017	<0.005		<0.005	<0.005
3/20/2018	<0.005	<0.005 (D)	<0.005	
3/21/2018				0.007 (J)
10/2/2018	<0.005	<0.005	<0.005	0.022 (O)
3/26/2019	<0.005	<0.005	<0.005	
3/27/2019				<0.005
9/10/2019	0.0084	0.006	0.0047 (J)	
9/11/2019				0.0072
3/18/2020	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	
9/10/2020				0.018

# FIGURE F.

## Interwell Prediction Limit Summary - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:22 PM

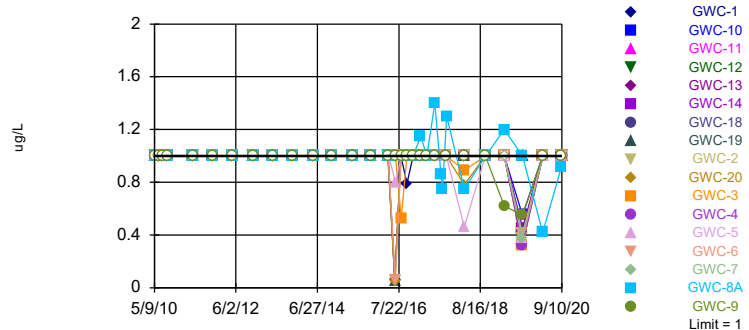
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (ug/L)	GWC-1	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-10	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-11	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-12	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-13	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-14	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-18	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-19	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-2	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-20	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-3	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-4	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-5	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-6	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-7	1	n/a	9/10/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-8A	1	n/a	9/9/2020	0.92J	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Arsenic, Total (ug/L)	GWC-9	1	n/a	9/9/2020	1ND	No	87	n/a	n/a	96.55	n/a	n/a	0.0002524	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	9/9/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	9/10/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	9/10/2020	0.001ND	No	72	n/a	n/a	100	n/a	n/a	0.0003627	NP Inter (NDs) 1 of 2

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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Interwell Non-parametric



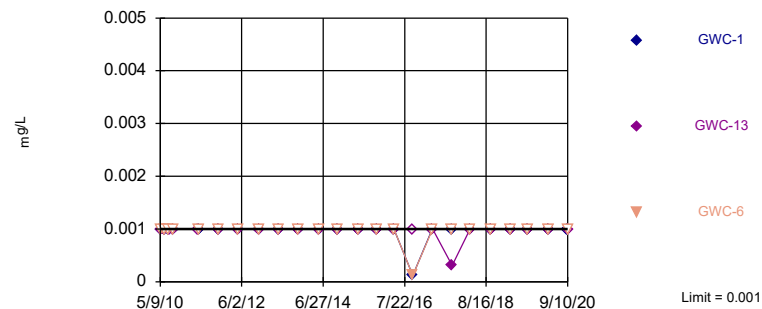
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 87 background values. 96.55% NDs. Annual per-constituent alpha = 0.008547. Individual comparison alpha = 0.0002524 (1 of 2). Comparing 17 points to limit.

Constituent: Arsenic, Total Analysis Run 11/19/2020 4:21 PM View: PL's Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
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%. All background values (n = 72) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.01226. Individual comparison alpha = 0.0003627 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Silver Analysis Run 11/19/2020 4:21 PM View: PL's Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR





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 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (ug/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-13	GWC-14	GWA-16 (bg)	GWC-12	GWC-11	GWC-7	GWC-10
4/13/2016			<1 (D)	<1 (D)		<1 (D)	<1 (D)	<1 (D)	<1 (D)
4/19/2016									
6/15/2016	<1	<1			<1				
6/16/2016									
6/20/2016								<1	
6/21/2016			<1	<1		<1	<1		<1
6/22/2016									
8/10/2016	<1	<1			<1				
8/11/2016									
8/12/2016									
8/15/2016			<1	<1		<1	<1	<1	<1
8/16/2016									
10/4/2016		<1		<1	<1				
10/5/2016	<1					<1	<1		<1
10/6/2016								<1	
10/7/2016			<1						
10/10/2016									
11/29/2016	<1				<1				
11/30/2016		<1							
12/1/2016			<1	<1		<1	<1	<1	<1
2/7/2017	<1	<1		<1	<1				
2/8/2017						<1	<1		<1
2/9/2017			<1					<1	
4/4/2017	<1	<1			<1				
4/5/2017						<1			
4/6/2017			<1	<1			<1		<1
4/7/2017								<1	
6/20/2017	<1	<1		<1	<1	<1	<1		
6/21/2017									<1
6/22/2017			<1					<1	
8/15/2017									
9/1/2017									
10/4/2017		<1							
10/5/2017	<1			<1	<1	<1	<1		<1
10/6/2017			<1					<1	
10/9/2017									
3/20/2018	<1	<1 (D)		<1	<1				
3/21/2018						<1 (D)	<1		<1
3/22/2018			<1					<1	
10/2/2018	<1	<1		<1	<1	<1	<1		<1
10/3/2018			<1						
10/4/2018								<1	
3/26/2019	<1	<1	<1	<1	<1	<1			
3/27/2019							<1	<1	<1
9/10/2019	0.69 (J)	0.32 (J)			0.49 (J)				
9/11/2019			0.42 (J)	0.45 (J)		0.38 (J)	0.45 (J)	0.38 (J)	0.55 (J)
9/12/2019									
3/18/2020	<1	<1	<1	<1	<1	<1	<1		<1
3/19/2020								<1	
9/9/2020	<1	<1		<1	<1				<1
9/10/2020			<1			<1	<1	<1	

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 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (ug/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9	GWC-18	GWC-6	GWC-2	GWC-19	GWC-5	GWC-4	GWC-20
5/8/2010									
5/9/2010									
5/10/2010	<1	<1	<1						
5/11/2010				<1	<1	<1	<1	<1	<1
6/16/2010		<1	<1			<1			
6/17/2010								<1	<1
6/18/2010				<1			<1		
6/19/2010	<1				<1				
7/26/2010			<1						
7/27/2010		<1		<1	<1	<1	<1		<1
7/28/2010	<1							<1	
7/29/2010									
9/7/2010			<1			<1			<1
9/8/2010	<1	<1						<1	
9/9/2010				<1	<1		<1		
4/26/2011									
4/28/2011					<1			<1	
4/29/2011		<1	<1			<1	<1		<1
4/30/2011	<1			<1					
10/27/2011	<1	<1							
10/28/2011			<1		<1	<1	<1		<1
10/29/2011				<1				<1	
5/2/2012			<1			<1			
5/3/2012		<1			<1			<1	<1
5/4/2012	<1			<1			<1		
11/9/2012			<1		<1	<1			
11/10/2012				<1			<1	<1	<1
11/11/2012	<1	<1							
5/8/2013			<1						
5/9/2013		<1		<1	<1	<1	<1		<1
5/10/2013	<1							<1	
11/5/2013					<1				
11/6/2013		<1	<1			<1	<1	<1	<1
11/7/2013	<1			<1					
5/20/2014									
5/21/2014	<1	<1		<1					
5/22/2014					<1	<1	<1	<1	<1
5/23/2014			<1						
11/8/2014			<1			<1			
11/9/2014				<1			<1	<1	<1
11/12/2014		<1							
11/13/2014	<1				<1				
5/22/2015			<1					<1	
5/23/2015	<1	<1				<1			
5/24/2015				<1	<1		<1		<1
11/9/2015									
11/10/2015			<1			<1			<1
11/11/2015	<1			<1	<1		<1	<1	
11/12/2015		<1							
4/6/2016									
4/11/2016			<1			<1			
4/12/2016				<1	<1			<1	<1

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (ug/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-9	GWC-18	GWC-6	GWC-2	GWC-19	GWC-5	GWC-4	GWC-20
4/13/2016		<1 (D)							
4/19/2016	<1						<1		
6/15/2016									
6/16/2016			<1		0.055 (J)	0.051 (J)			0.054 (J)
6/20/2016				0.063 (J)				<1	
6/21/2016									
6/22/2016		<1					0.8		
8/10/2016									
8/11/2016			<1		<1	<1			<1
8/12/2016				<1				<1	
8/15/2016		<1							
8/16/2016							<1		
10/4/2016					<1				
10/5/2016			<1			<1			<1
10/6/2016		<1		<1			<1	<1	
10/7/2016									
10/10/2016	<1								
11/29/2016			<1			<1			
11/30/2016				<1	<1			<1	<1
12/1/2016	<1	<1					<1		
2/7/2017					<1				
2/8/2017		<1	<1			<1		<1	<1
2/9/2017	1.15 (D)			<1			<1		
4/4/2017									
4/5/2017						<1			
4/6/2017		<1	<1	<1	<1		<1	<1	<1
4/7/2017	<1								
6/20/2017					<1				
6/21/2017	1.4	<1	<1	<1		<1	<1		<1
6/22/2017								<1	
8/15/2017	0.86								
9/1/2017	0.75								
10/4/2017					<1				
10/5/2017		<1	<1			<1	<1		<1
10/6/2017				<1				<1	
10/9/2017	1.3								
3/20/2018			<1		<1	<1			
3/21/2018		<1		<1				<1	0.78
3/22/2018	0.75						0.46 (J)		
10/2/2018		<1	<1		<1	<1			
10/3/2018				<1			<1	<1	<1
10/4/2018	<1								
3/26/2019			<1	<1	<1	<1		<1	<1
3/27/2019	1.2	0.62					<1		
9/10/2019					0.38 (J)			0.32 (J)	
9/11/2019	1 (J)	0.55 (J)	0.43 (J)	0.41 (J)			0.38 (J)		
9/12/2019						<1			<1
3/18/2020	0.42 (J)	<1	<1	<1	<1		<1		
3/19/2020						<1		<1	<1
9/9/2020	0.92 (J)	<1	<1		<1	<1	<1		
9/10/2020				<1				<1	<1

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**Prediction Limit**

Constituent: Arsenic, Total (ug/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-1
5/8/2010		
5/9/2010		
5/10/2010		
5/11/2010	<1	<1
6/16/2010		
6/17/2010	<1	<1
6/18/2010		
6/19/2010		
7/26/2010		
7/27/2010		<1
7/28/2010	<1	
7/29/2010		
9/7/2010	<1	
9/8/2010		
9/9/2010		<1
4/26/2011		
4/28/2011		<1
4/29/2011	<1	
4/30/2011		
10/27/2011		
10/28/2011	<1	
10/29/2011		<1
5/2/2012		
5/3/2012	<1	<1
5/4/2012		
11/9/2012	<1	<1
11/10/2012		
11/11/2012		
5/8/2013		
5/9/2013		<1
5/10/2013	<1	
11/5/2013		<1
11/6/2013	<1	
11/7/2013		
5/20/2014		
5/21/2014		
5/22/2014	<1	
5/23/2014		<1
11/8/2014		
11/9/2014	<1	
11/12/2014		
11/13/2014		<1
5/22/2015	<1	
5/23/2015		<1
5/24/2015		
11/9/2015		
11/10/2015	<1	
11/11/2015		<1
11/12/2015		
4/6/2016		
4/11/2016		
4/12/2016	<1 (D)	<1

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (ug/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-1
4/13/2016		
4/19/2016		
6/15/2016		
6/16/2016		0.06 (J)
6/20/2016	<1	
6/21/2016		
6/22/2016		
8/10/2016		
8/11/2016		<1
8/12/2016	0.53 (J)	
8/15/2016		
8/16/2016		
10/4/2016		0.79
10/5/2016	<1	
10/6/2016		
10/7/2016		
10/10/2016		
11/29/2016		
11/30/2016	<1	<1
12/1/2016		
2/7/2017		<1
2/8/2017	<1	
2/9/2017		
4/4/2017		
4/5/2017		<1
4/6/2017	<1	
4/7/2017		
6/20/2017		<1
6/21/2017	<1	
6/22/2017		
8/15/2017		
9/1/2017		
10/4/2017		<1
10/5/2017	<1	
10/6/2017		
10/9/2017		
3/20/2018		<1
3/21/2018	0.89	
3/22/2018		
10/2/2018		<1
10/3/2018	<1	
10/4/2018		
3/26/2019	<1	<1
3/27/2019		
9/10/2019	0.32 (J)	0.33 (J)
9/11/2019		
9/12/2019		
3/18/2020	<1	<1
3/19/2020		
9/9/2020		<1
9/10/2020	<1	

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Silver (mg/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-13	GWC-6	GWC-1
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	

Constituent: Silver (mg/L) Analysis Run 11/19/2020 4:22 PM View: PL's Interwell  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-13	GWC-6	GWC-1
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	



FIGURE G.

## State Trend Test Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:09 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>
Barium, Total (ug/L)	GWA-16 (bg)	-0.4975	-167	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWA-17 (bg)	-1.169	-155	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-10	0.9124	228	139	Yes	29	6.897	n/a	n/a	0.01	NP

## State Trend Test Summary - All Results

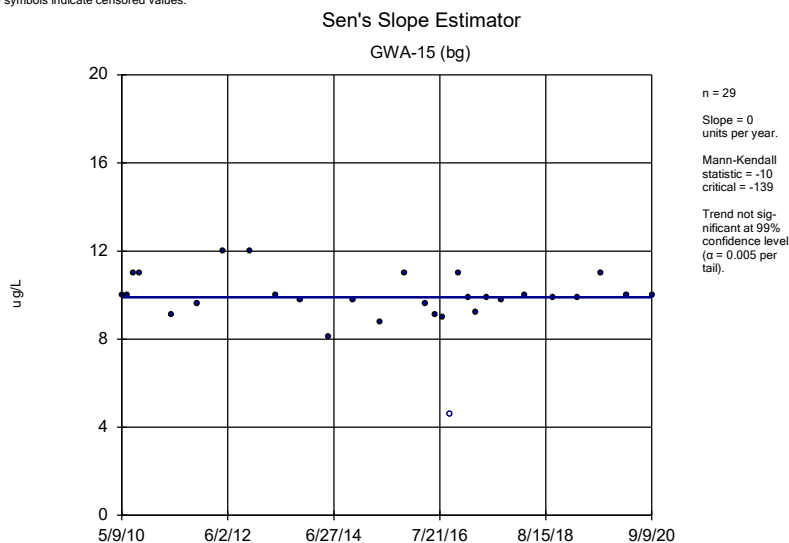
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 9:09 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (ug/L)	GWA-15 (bg)	0	-10	-139	No	29	3.448	n/a	n/a	0.01	NP
<b>Barium, Total (ug/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.4975</b>	<b>-167</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 (ug/L)</b>	<b>GWA-17 (bg)</b>	<b>-1.169</b>	<b>-155</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>
<b>Barium, Total (ug/L)</b>	<b>GWC-10</b>	<b>0.9124</b>	<b>228</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>
Barium, Total (ug/L)	GWC-11	0	-36	-139	No	29	6.897	n/a	n/a	0.01	NP
Barium, Total (ug/L)	GWC-19	0.2032	129	139	No	29	3.448	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	19	105	No	24	95.83	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-19	-105	No	24	95.83	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	20	105	No	24	87.5	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-11	0	48	98	No	23	82.61	n/a	n/a	0.01	NP

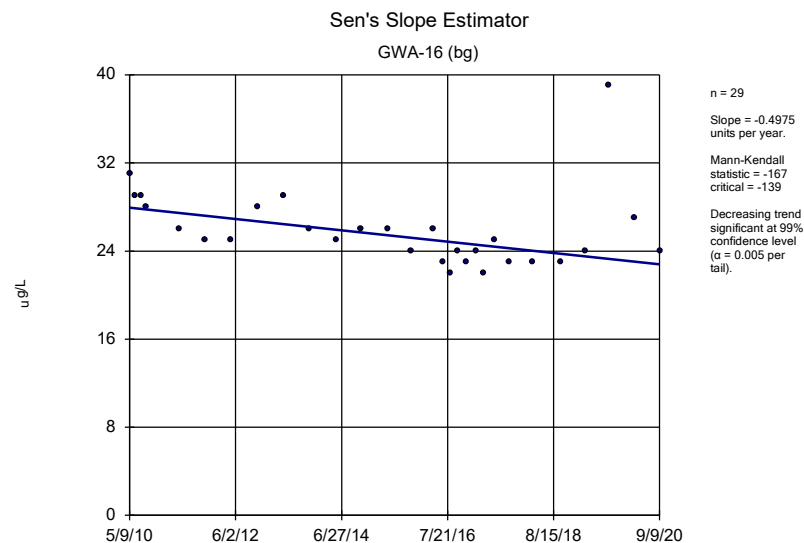
PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



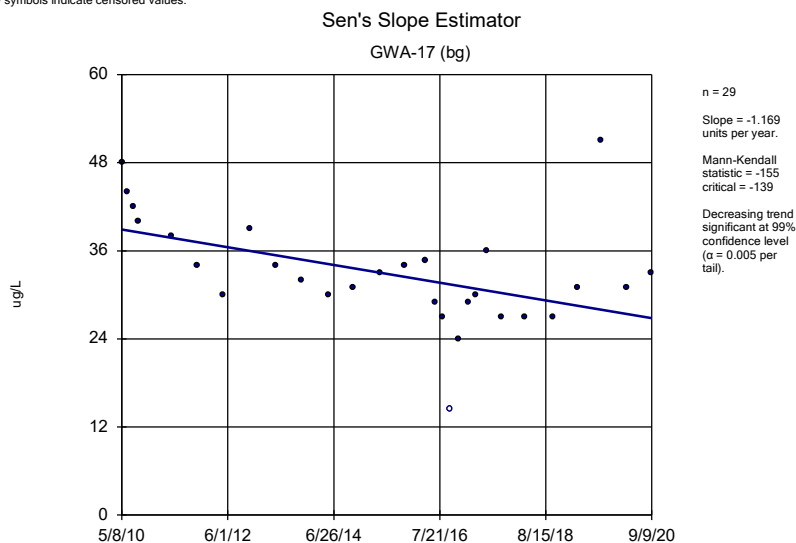
Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



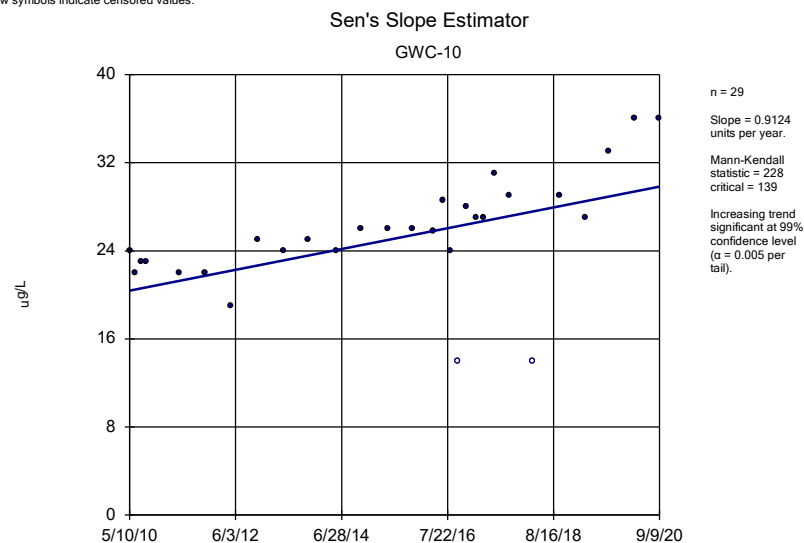
Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.



Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

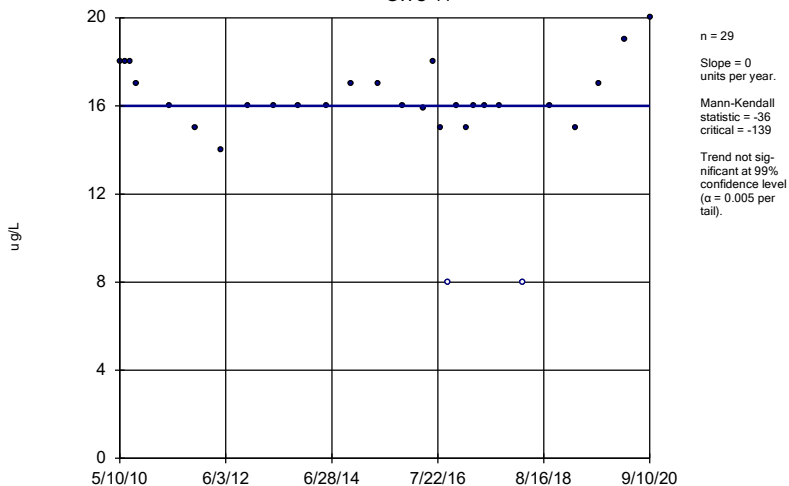


Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

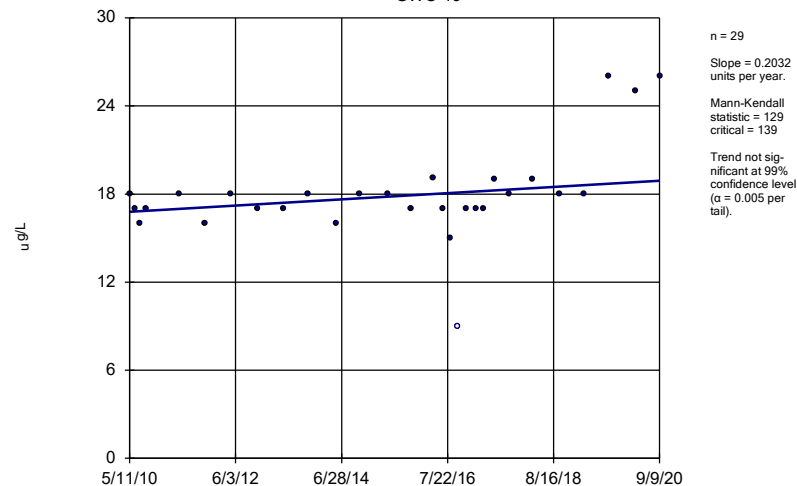
Sen's Slope Estimator  
GWC-11



Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

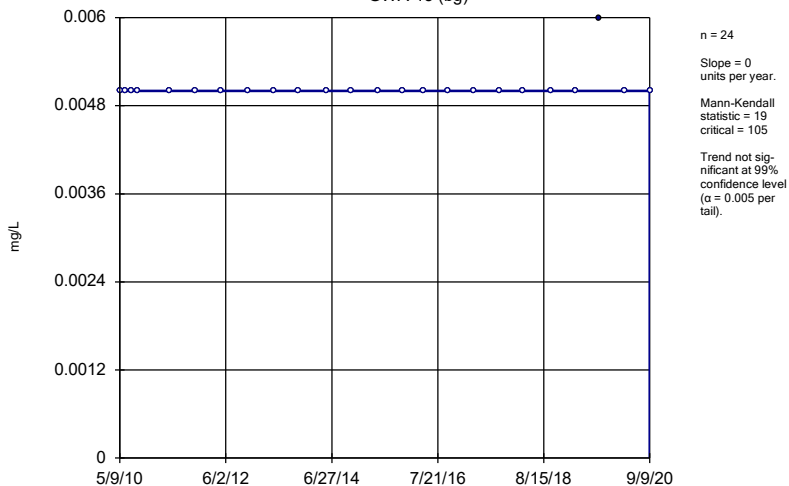
Sen's Slope Estimator  
GWC-19



Constituent: Barium, Total Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

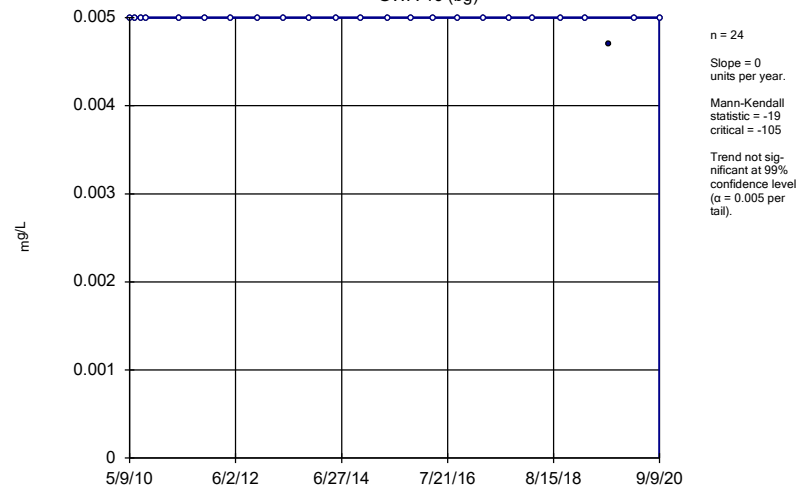
Sen's Slope Estimator  
GWA-15 (bg)



Constituent: Zinc Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Sen's Slope Estimator  
GWA-16 (bg)



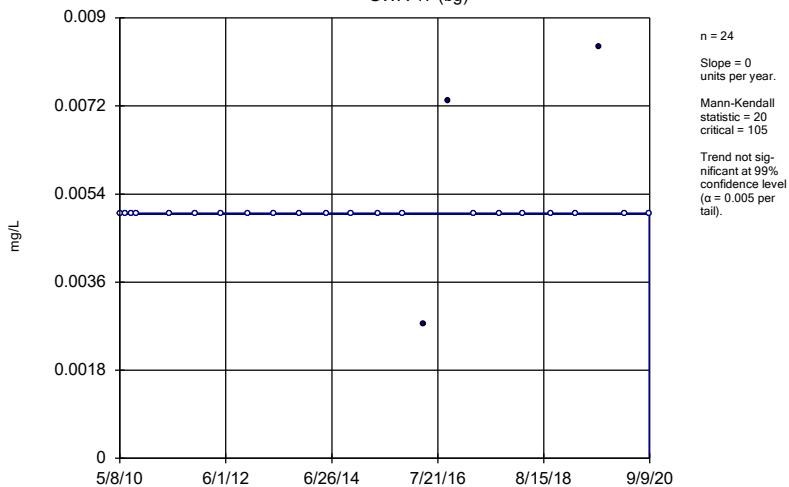
Constituent: Zinc Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-17 (bg)

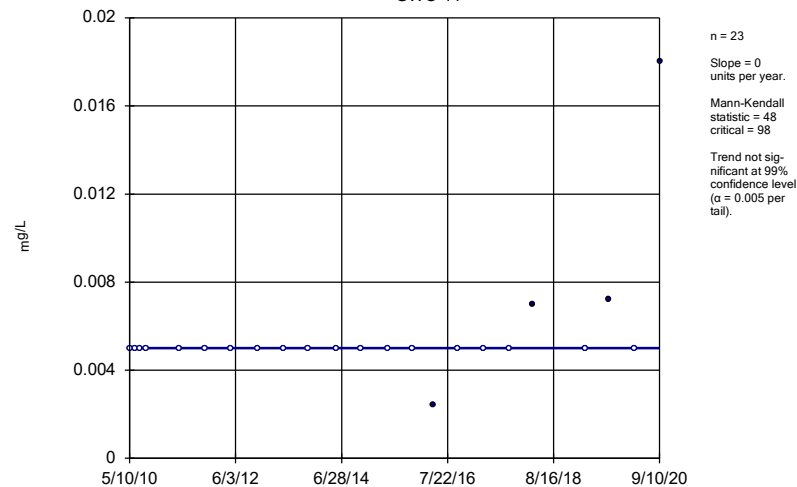


Constituent: Zinc Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-11



Constituent: Zinc Analysis Run 11/22/2020 9:08 AM View: State Trend Tests for PLs  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

## State Trend Test Summary - Selenium Well GWC-5

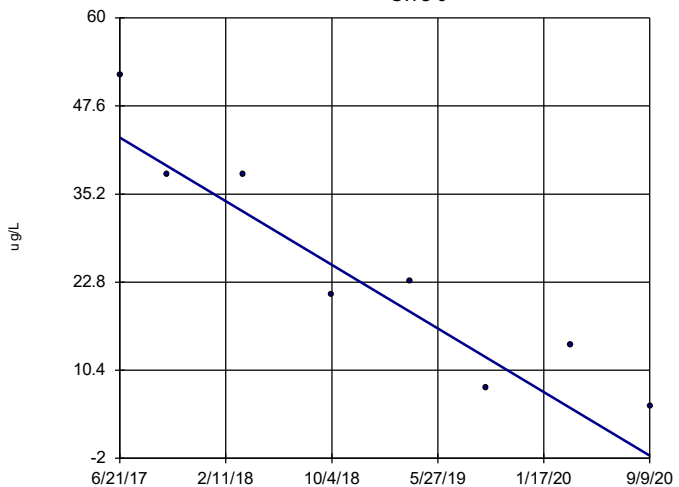
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 5:15 PM

<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>
Selenium, Total (ug/L)	GWC-5	-13.9	-23	-21	Yes	8	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

### Sen's Slope Estimator

GWC-5



n = 8  
Slope = -13.9  
units per year.  
Mann-Kendall  
statistic = -23  
critical = -21  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Selenium, Total Analysis Run 11/19/2020 5:13 PM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Sen's Slope Estimator**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:14 PM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWC-5
5/11/2010	<10
6/18/2010	<10
7/27/2010	<10
9/9/2010	<10
4/29/2011	<10
10/28/2011	<10
5/4/2012	<10
11/10/2012	<10
5/9/2013	<10
11/6/2013	<10
5/22/2014	<10
11/9/2014	<10
5/24/2015	13 (J)
11/11/2015	37
4/19/2016	58.7
6/22/2016	43.5
8/16/2016	29
10/6/2016	27
12/1/2016	29
2/9/2017	31
4/6/2017	43
6/21/2017	52
10/5/2017	38
3/22/2018	38
10/3/2018	21
3/27/2019	23
9/11/2019	7.9
3/18/2020	14
9/9/2020	5.4

## State Trend Test Summary - Selenium Well GWC-5 All Data

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/22/2020, 8:13 AM

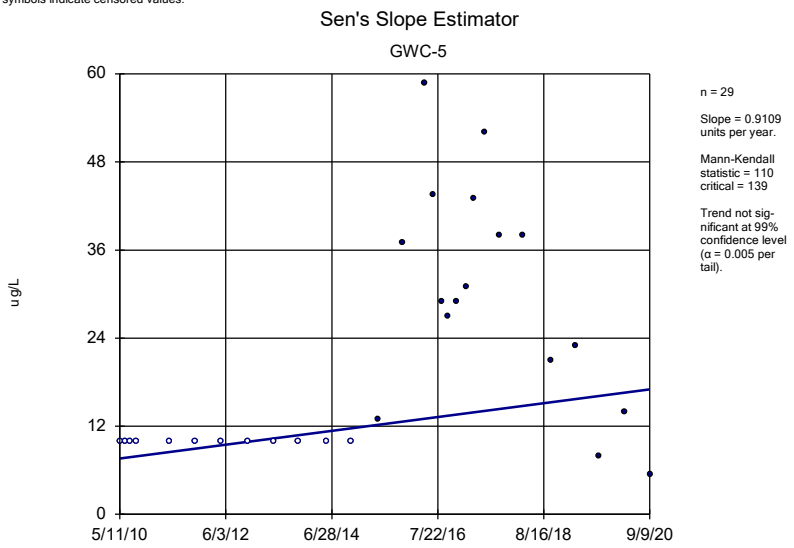
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Selenium, Total (ug/L)	GWC-5	0.9109	110	139	No	29	41.38	n/a	n/a	0.01	NP

## State Trend Test Summary - Selenium Well GWC-5

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 5:15 PM

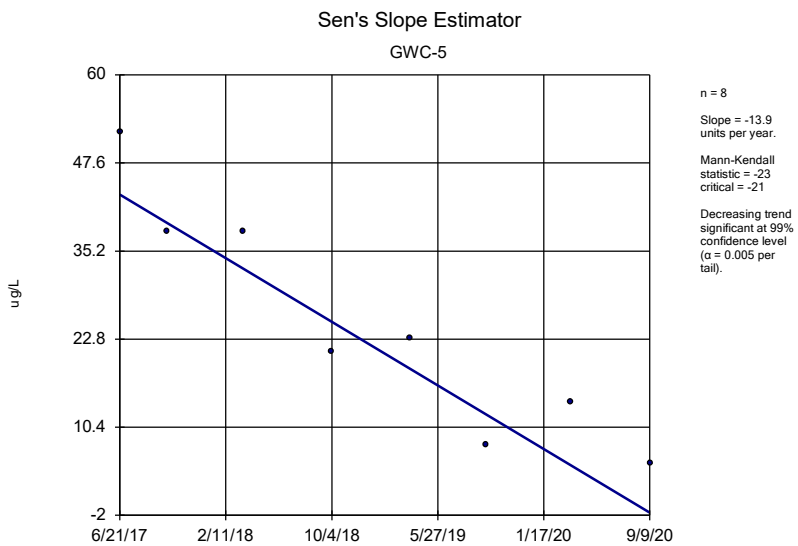
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Selenium, Total (ug/L)</b>	<b>GWC-5</b>	<b>-13.9</b>	<b>-23</b>	<b>-21</b>	<b>Yes</b>	<b>8</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.



Constituent: Selenium, Total Analysis Run 11/22/2020 8:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Constituent: Selenium, Total    Analysis Run 11/19/2020 5:13 PM  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

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PREPARED IN ANTICIPATION OF LITIGATION  
**Sen's Slope Estimator**

Constituent: Selenium, Total (ug/L) Analysis Run 11/19/2020 5:14 PM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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	GWC-5
5/11/2010	<10
6/18/2010	<10
7/27/2010	<10
9/9/2010	<10
4/29/2011	<10
10/28/2011	<10
5/4/2012	<10
11/10/2012	<10
5/9/2013	<10
11/6/2013	<10
5/22/2014	<10
11/9/2014	<10
5/24/2015	13 (J)
11/11/2015	37
4/19/2016	58.7
6/22/2016	43.5
8/16/2016	29
10/6/2016	27
12/1/2016	29
2/9/2017	31
4/6/2017	43
6/21/2017	52
10/5/2017	38
3/22/2018	38
10/3/2018	21
3/27/2019	23
9/11/2019	7.9
3/18/2020	14
9/9/2020	5.4

FIGURE H.

## Federal Intrawell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:41 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)	GWC-19	13.6	n/a	9/9/2020	15	Yes	11	10.72	0.9806	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	9/9/2020	64	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-10	2.684	n/a	9/9/2020	4.3	Yes	11	2.24	0.151	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-18	2.729	n/a	9/9/2020	2.8	Yes	11	2.448	0.09558	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.038	n/a	9/9/2020	2.4	Yes	11	1.731	0.1044	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2	n/a	9/10/2020	2.5	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	8.684	n/a	9/9/2020	11	Yes	10	7.2	0.4853	0	None	No	0.0004426	Param Intra 1 of 2
pH, Field (S.U.)	GWC-14	5.865	5.331	9/9/2020	5.88	Yes	14	5.598	0.09885	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-19	6.51	6.35	9/9/2020	6.27	Yes	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-3	6.117	5.731	9/10/2020	6.24	Yes	15	5.924	0.07327	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-6	6.343	6.035	9/10/2020	6.43	Yes	15	2.488	0.01171	0	None	sqrt(x)	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	1.2	n/a	9/9/2020	1.6	Yes	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.408	n/a	9/9/2020	2.6	Yes	11	0.7273	0.2315	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	0.7	n/a	9/10/2020	1.3	Yes	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1	n/a	9/9/2020	1.2	Yes	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	243.6	n/a	9/9/2020	360	Yes	9	184.3	18.14	0	None	No	0.0004426	Param Intra 1 of 2



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## Federal Intrawell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/19/2020, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-15	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-16	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-17	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-14	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-2	0.08	n/a	9/9/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-4	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6949	n/a	9/9/2020	0.24	No	11	0.3662	0.1118	9.091	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3698	n/a	9/9/2020	0.13	No	10	0.1925	0.05799	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.136	n/a	9/9/2020	0.088	No	11	0.09197	0.01496	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.715	n/a	9/9/2020	4	No	11	4.238	0.502	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	15.17	n/a	9/9/2020	11	No	11	11.63	1.205	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.816	n/a	9/9/2020	7.3	No	11	6.435	0.8099	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	21.22	n/a	9/9/2020	17	No	11	17.08	1.406	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	20.38	n/a	9/9/2020	20	No	11	16.18	1.427	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.38	n/a	9/10/2020	13	No	11	12.58	0.9527	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.461	n/a	9/10/2020	1.1	No	11	1.063	0.1355	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	7.811	n/a	9/10/2020	6.7	No	11	6.186	0.5526	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.734	n/a	9/9/2020	6.5	No	11	6.326	0.4788	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.43	n/a	9/9/2020	10	No	11	10.34	0.7117	0	None	No	0.0004426	Param Intra 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-19</b>	<b>13.6</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>15</b>	<b>Yes</b>	<b>11</b>	<b>10.72</b>	<b>0.9806</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-2	21.47	n/a	9/9/2020	17	No	11	17.25	1.436	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.51	n/a	9/10/2020	13	No	11	13.5	1.025	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.03	n/a	9/10/2020	6.3	No	11	8.484	0.867	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	17.38	n/a	9/10/2020	13	No	11	12.27	1.738	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	221.6	n/a	9/9/2020	35	No	11	126.5	32.34	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.43	n/a	9/10/2020	16	No	11	18.3	1.063	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.62	n/a	9/10/2020	15	No	11	13.98	0.8965	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>9/9/2020</b>	<b>64</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	20.4	n/a	9/9/2020	16	No	11	17.34	1.041	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.429	n/a	9/9/2020	6.1	No	11	1.684	0.06022	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-16	2.185	n/a	9/9/2020	1.6	No	11	1.681	0.1714	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.013	n/a	9/9/2020	1.3	No	11	1.599	0.1407	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.646	n/a	9/9/2020	3.9	No	11	3.911	0.25	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>2.684</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>4.3</b>	<b>Yes</b>	<b>11</b>	<b>2.24</b>	<b>0.151</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-11	2.095	n/a	9/10/2020	1.9	No	11	1.771	0.11	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.068	n/a	9/10/2020	1.8	No	11	1.709	0.1221	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	2.066	n/a	9/10/2020	1.7	No	11	1.529	0.1825	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-14	3.353	n/a	9/9/2020	2.9	No	11	2.901	0.1537	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-18</b>	<b>2.729</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.8</b>	<b>Yes</b>	<b>11</b>	<b>2.448</b>	<b>0.09558</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>

## Federal Intrawell Prediction Limit Summary - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Chloride, Total (mg/L)</b>	<b>GWC-19</b>	<b>2.038</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.4</b>	<b>Yes</b>	<b>11</b>	<b>1.731</b>	<b>0.1044</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-2	2.621	n/a	9/9/2020	2	No	11	2.167	0.1542	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.468	n/a	9/10/2020	2.1	No	11	7.164	2.677	9.091	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	3.838	n/a	9/10/2020	2.7	No	11	3.331	0.1724	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	17.66	n/a	9/10/2020	9.7	No	11	6.897	3.661	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	139	n/a	9/9/2020	8.7	No	11	79.36	20.28	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	8.922	n/a	9/10/2020	6.3	No	10	6.26	0.8708	0	None	No	0.0004426	Param Intra 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-7</b>	<b>2</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>2.5</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (normality) 1 of 2</b>
<b>Chloride, Total (mg/L)</b>	<b>GWC-8A</b>	<b>8.684</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>11</b>	<b>Yes</b>	<b>10</b>	<b>7.2</b>	<b>0.4853</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-9	4.55	n/a	9/9/2020	3.2	No	11	3.622	0.3157	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-15	0.1	n/a	9/9/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	9/9/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	9/9/2020	0.036J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1038	n/a	9/9/2020	0.069J	No	11	0.00003886	0.0002632	45.45	Kaplan-Meier	x^4	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-10	0.082	n/a	9/9/2020	0.055J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	9/10/2020	0.052J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	9/10/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	9/10/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.1	n/a	9/9/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	9/9/2020	0.045J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	9/9/2020	0.034J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	9/9/2020	0.033J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	9/10/2020	0.051J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.082	n/a	9/10/2020	0.063J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1735	n/a	9/10/2020	0.1	No	11	0.1013	0.02454	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	9/9/2020	0.033J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	9/10/2020	0.052J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	9/10/2020	0.053J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2372	n/a	9/9/2020	0.038J	No	10	0.126	0.03637	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-9	0.084	n/a	9/9/2020	0.067J	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.747	5.249	9/9/2020	5.71	No	15	5.498	0.0942	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-16	6.583	6.182	9/9/2020	6.33	No	15	6.383	0.07611	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-17	6.36	5.573	9/9/2020	6.05	No	15	5.966	0.149	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-1	6.772	6.262	9/9/2020	6.57	No	15	6.517	0.09662	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	6.663	5.991	9/9/2020	6.4	No	15	6.327	0.1274	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.38	5.957	9/10/2020	6.16	No	14	6.169	0.07843	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	5.46	4.819	9/10/2020	5.1	No	15	5.139	0.1214	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	6.07	5.637	9/10/2020	5.83	No	16	41061	3479	0	None	x^6	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-14</b>	<b>5.865</b>	<b>5.331</b>	<b>9/9/2020</b>	<b>5.88</b>	<b>Yes</b>	<b>14</b>	<b>5.598</b>	<b>0.09885</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-18	6.472	6.144	9/9/2020	6.3	No	15	6.308	0.06213	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-19</b>	<b>6.51</b>	<b>6.35</b>	<b>9/9/2020</b>	<b>6.27</b>	<b>Yes</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01722</b>	<b>NP Intra (normality) 1 of 2</b>
pH, Field (S.U.)	GWC-2	7	6.35	9/9/2020	6.44	No	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-20	6.689	6.321	9/10/2020	6.49	No	15	6.505	0.06978	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-3</b>	<b>6.117</b>	<b>5.731</b>	<b>9/10/2020</b>	<b>6.24</b>	<b>Yes</b>	<b>15</b>	<b>5.924</b>	<b>0.07327</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-4	6.607	5.933	9/10/2020	6.46	No	15	6.27	0.1276	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-5	6.124	5.327	9/9/2020	6.08	No	15	5.725	0.1511	0	None	No	0.0002213	Param Intra 1 of 2
<b>pH, Field (S.U.)</b>	<b>GWC-6</b>	<b>6.343</b>	<b>6.035</b>	<b>9/10/2020</b>	<b>6.43</b>	<b>Yes</b>	<b>15</b>	<b>2.488</b>	<b>0.01171</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002213</b>	<b>Param Intra 1 of 2</b>
pH, Field (S.U.)	GWC-7	6.42	5.96	9/10/2020	6.32	No	14	n/a	n/a	0	n/a	n/a	0.01722	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.523	5.769	9/9/2020	6.3	No	18	6.646	0.3493	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-9	6.916	6.262	9/9/2020	6.8	No	15	6.589	0.1239	0	None	No	0.0002213	Param Intra 1 of 2

## Federal Intrawell Prediction Limit Summary - All Results

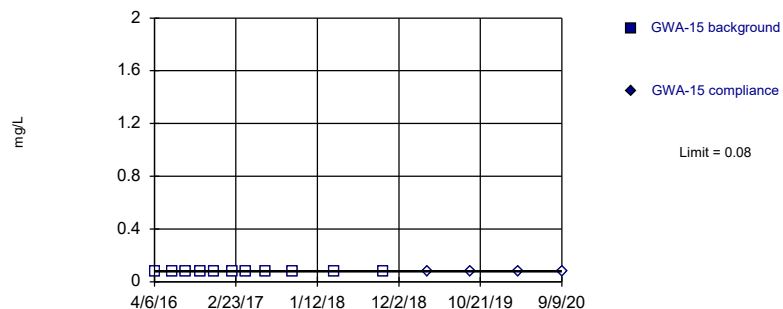
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/19/2020, 4:41 PM

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>GWA-15</b>	<b>1.2</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>1.6</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>72.73</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	9/9/2020	0.77J	No	11	n/a	n/a	54.55	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>1.408</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>2.6</b>	<b>Yes</b>	<b>11</b>	<b>0.7273</b>	<b>0.2315</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	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.7</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>1.3</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>81.82</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	9/9/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-19</b>	<b>1</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>1.2</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate as SO4 (mg/L)	GWC-2	0.7	n/a	9/9/2020	0.59J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	9/10/2020	1ND	No	11	n/a	n/a	72.73	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.762	n/a	9/10/2020	1.6	No	11	2.996	1.28	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	652.6	n/a	9/9/2020	110	No	11	392.3	88.53	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	18.05	n/a	9/10/2020	9.4	No	11	10.87	2.441	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	47.6	n/a	9/9/2020	11	No	10	35.37	3.999	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	18.57	n/a	9/9/2020	8.4	No	11	10.56	2.725	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	80.98	n/a	9/9/2020	5ND	No	11	35.55	15.45	9.091	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	168.3	n/a	9/9/2020	66	No	11	97.36	24.13	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	150.4	n/a	9/9/2020	64	No	11	66	28.72	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	169.9	n/a	9/9/2020	120	No	11	130.6	13.36	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.9	n/a	9/9/2020	160	No	10	123.7	18.7	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	326.5	n/a	9/10/2020	95	No	11	4.684	0.3756	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	124.8	n/a	9/10/2020	13	No	11	4.14	2.39	36.36	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	122.5	n/a	9/10/2020	60	No	10	56.2	21.69	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	113.8	n/a	9/9/2020	54	No	11	57.09	19.29	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	129.5	n/a	9/9/2020	77	No	11	84.09	15.44	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	175.6	n/a	9/9/2020	120	No	11	86.82	30.2	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	204.2	n/a	9/9/2020	110	No	11	111.2	31.62	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	152.7	n/a	9/10/2020	110	No	11	101.7	17.32	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	117	n/a	9/10/2020	59	No	11	82.18	11.85	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	173.3	n/a	9/10/2020	130	No	11	115.5	19.65	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1520	n/a	9/9/2020	270	No	11	978.2	184.3	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	190.4	n/a	9/10/2020	140	No	11	149.3	13.98	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	164.3	n/a	9/10/2020	120	No	11	118.9	15.45	0	None	No	0.0004426	Param Intra 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>243.6</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>360</b>	<b>Yes</b>	<b>9</b>	<b>184.3</b>	<b>18.14</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0004426</b>	<b>Param Intra 1 of 2</b>
Total Dissolved Solids [TDS] (mg/L)	GWC-9	261.2	n/a	9/9/2020	150	No	11	139.8	41.28	0	None	No	0.0004426	Param Intra 1 of 2

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Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

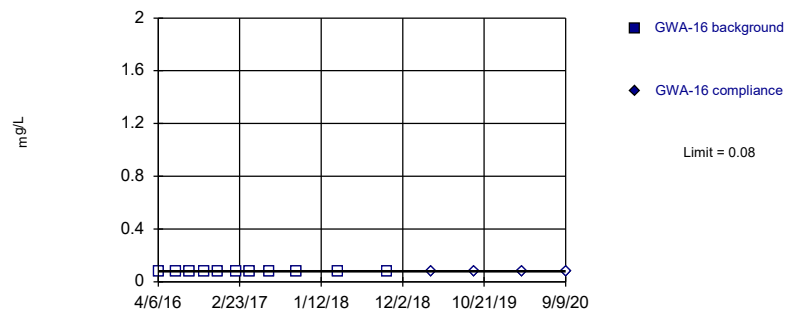


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Intrawell Non-parametric

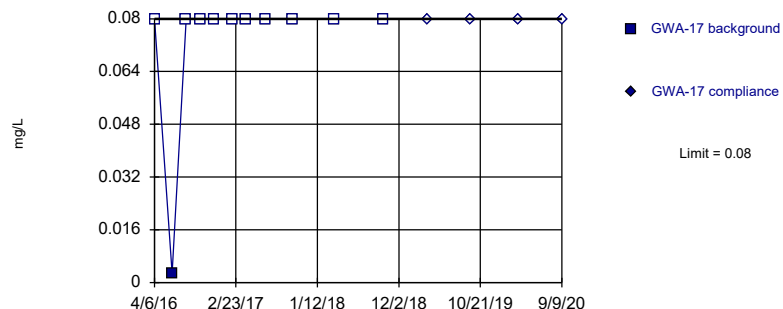


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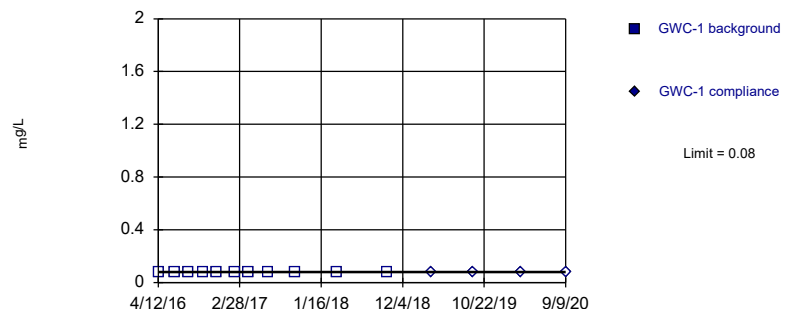


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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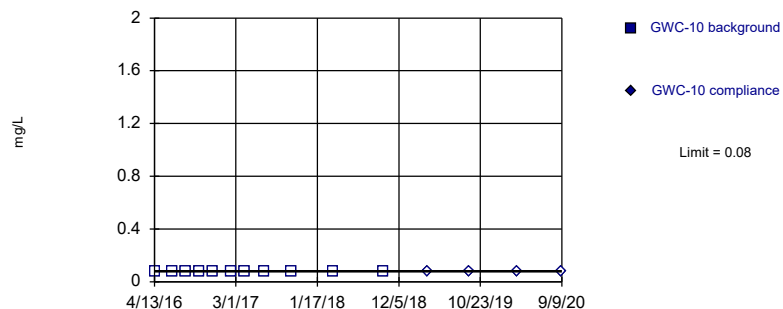
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Intrawell Non-parametric

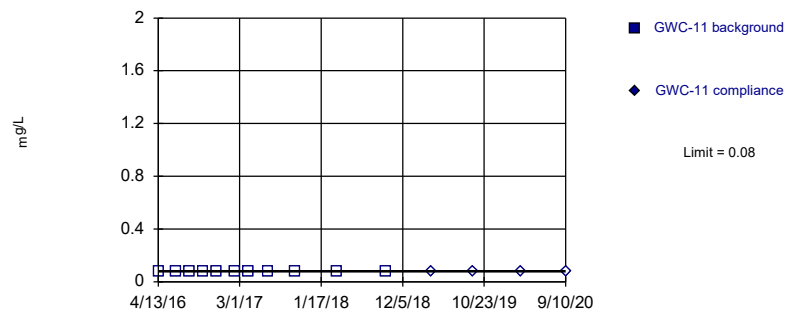


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Intrawell Non-parametric

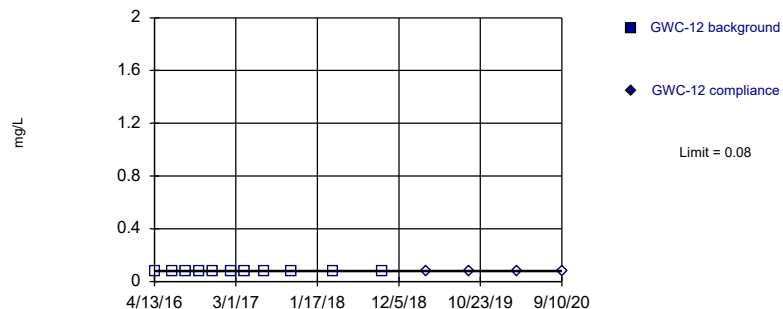


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Intrawell Non-parametric

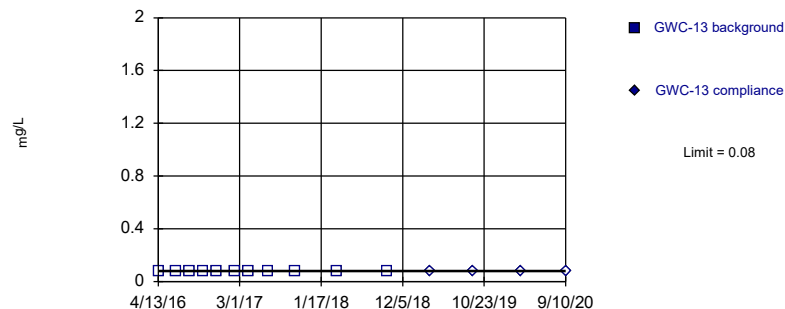


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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Intrawell Non-parametric



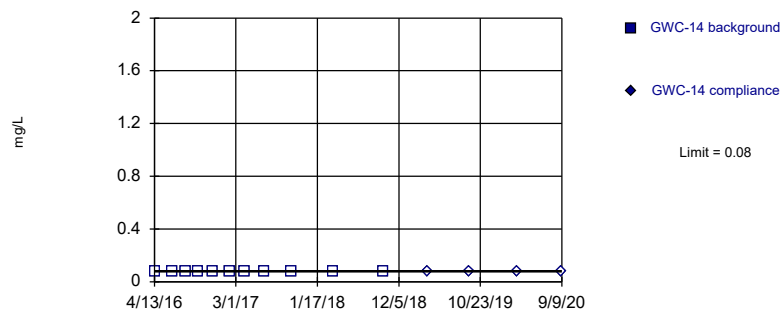
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Intrawell Non-parametric

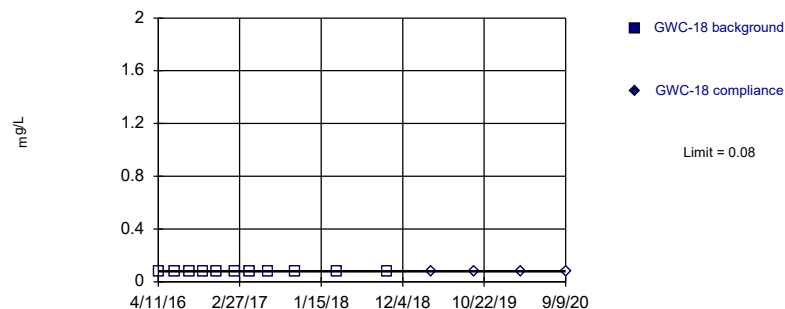


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Intrawell Non-parametric

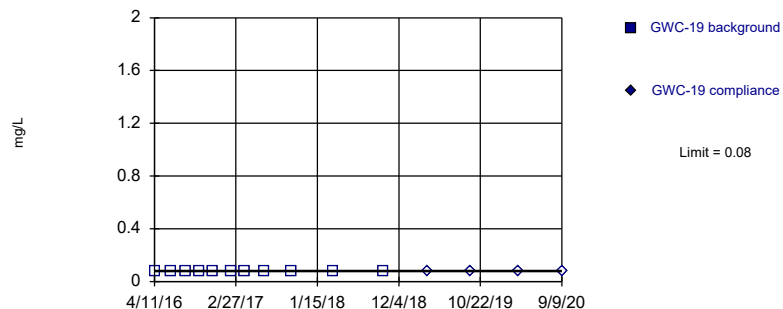


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

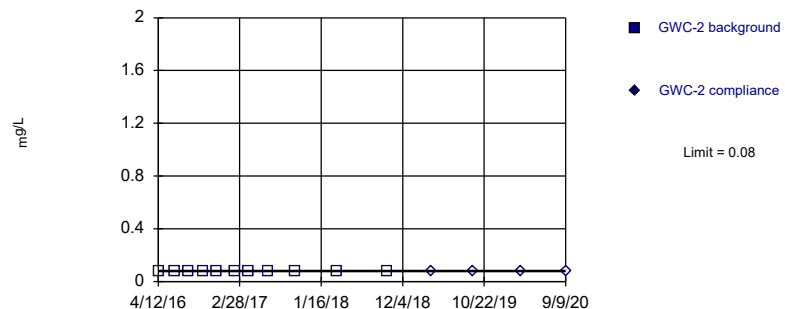


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric



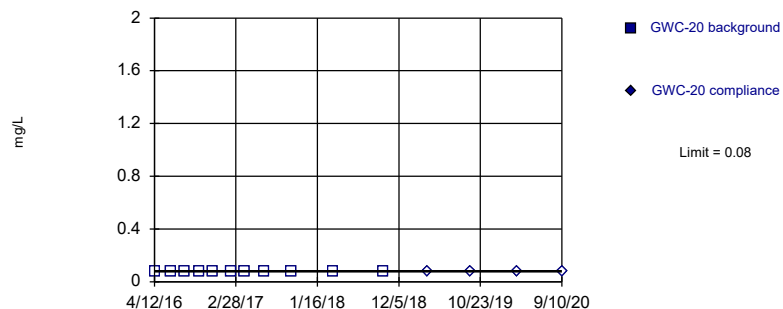
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

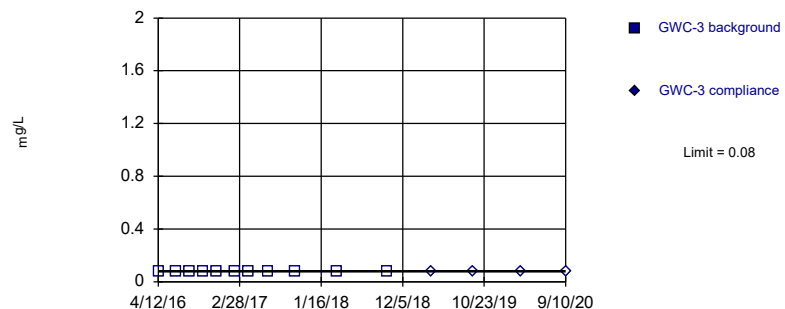


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

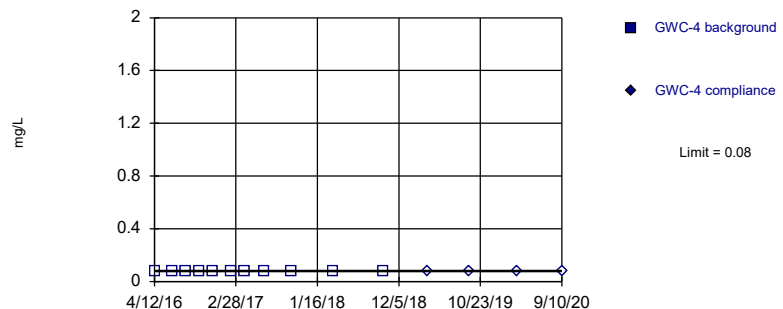


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

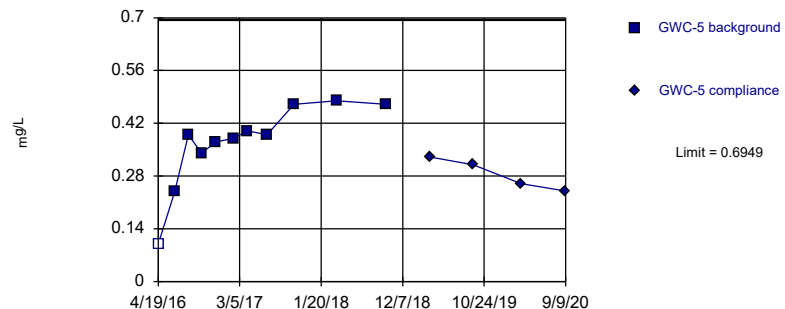


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Parametric



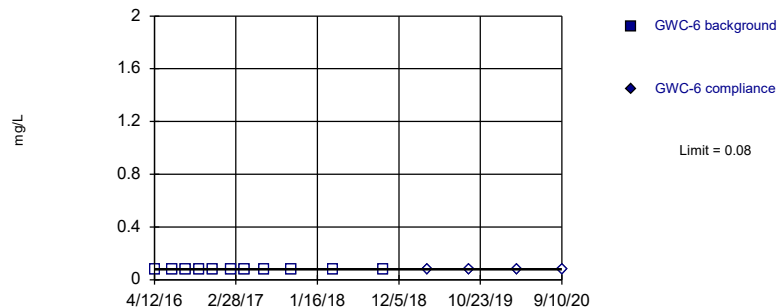
Background Data Summary: Mean=0.3662, Std. Dev.=0.1118, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

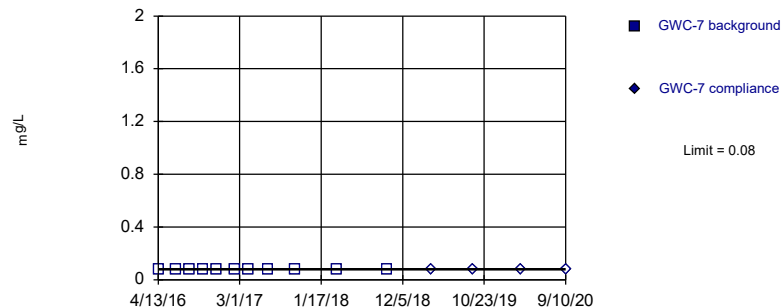


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

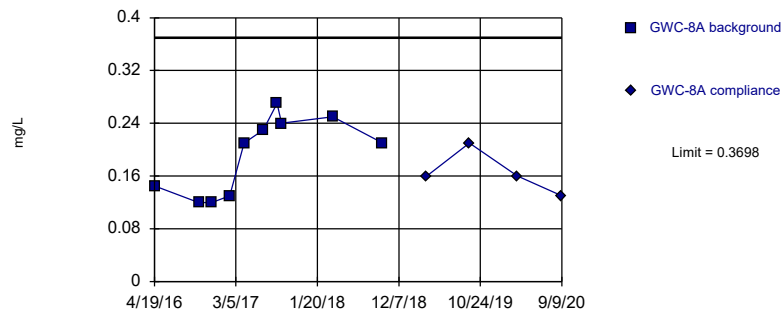


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric

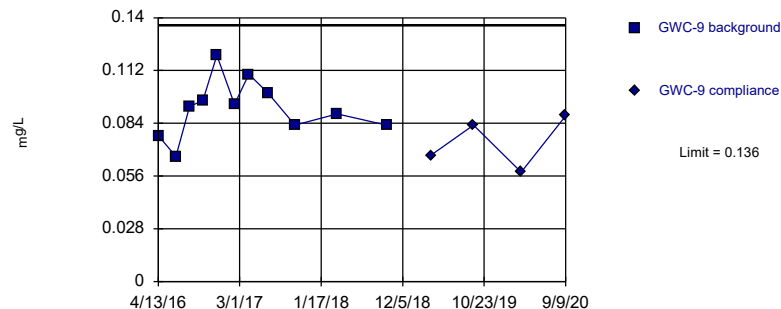


Background Data Summary: Mean=0.1925, Std. Dev.=0.05799, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.09197, Std. Dev.=0.01496, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9843, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

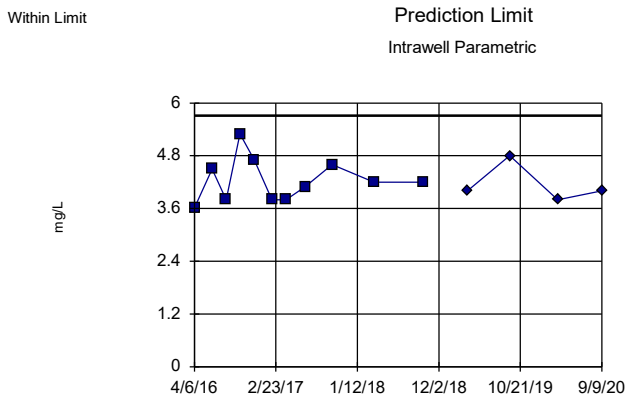
Constituent: Boron, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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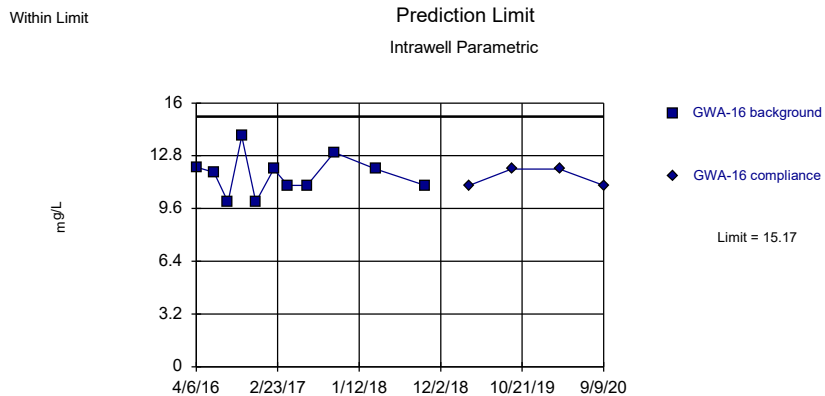
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Background Data Summary: Mean=4.238, Std. Dev.=0.502, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9253, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

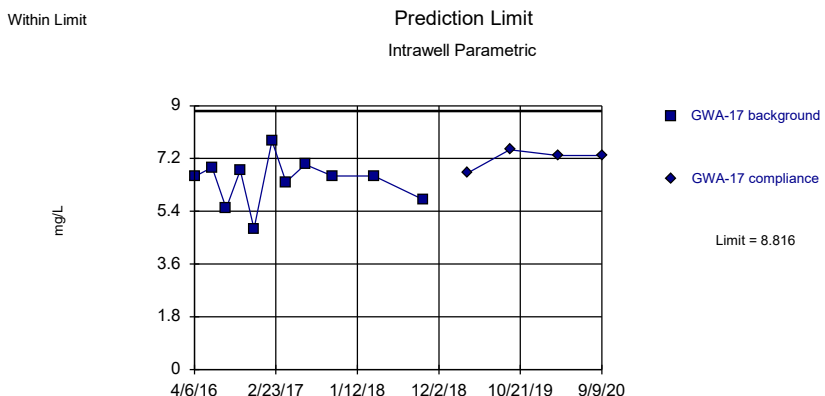


Background Data Summary: Mean=11.63, Std. Dev.=1.205, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

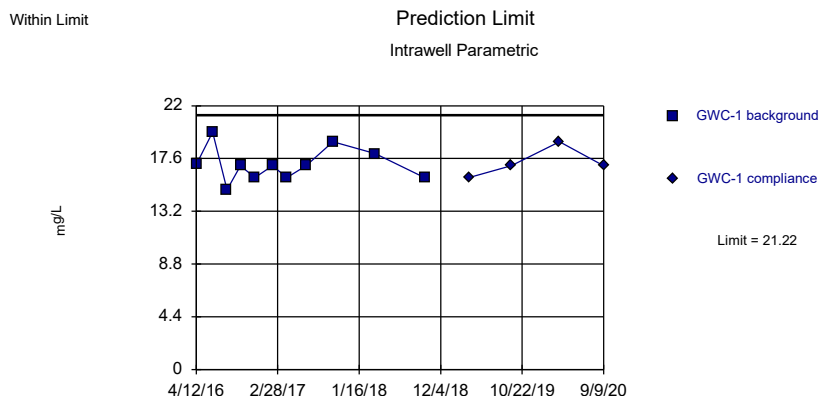
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Background Data Summary: Mean=6.435, Std. Dev.=0.8099, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



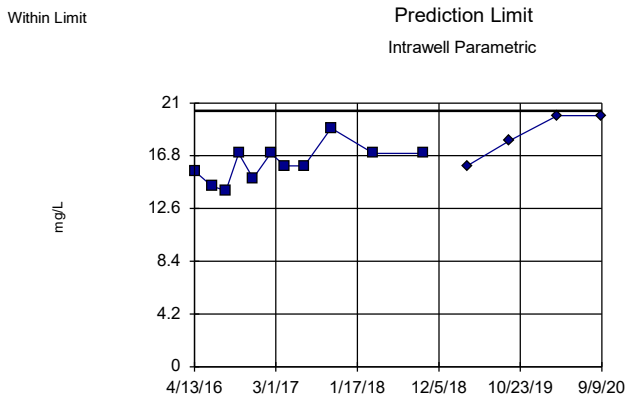
Background Data Summary: Mean=17.08, Std. Dev.=1.406, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9316, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

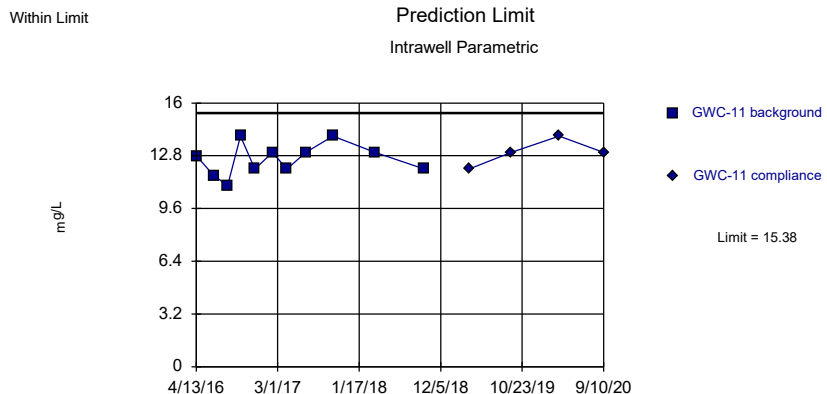
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Background Data Summary: Mean=16.18, Std. Dev.=1.427, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9441, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.



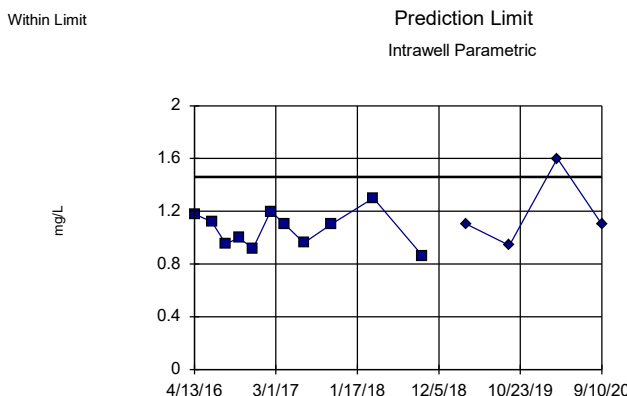
Background Data Summary: Mean=12.58, Std. Dev.=0.9527, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

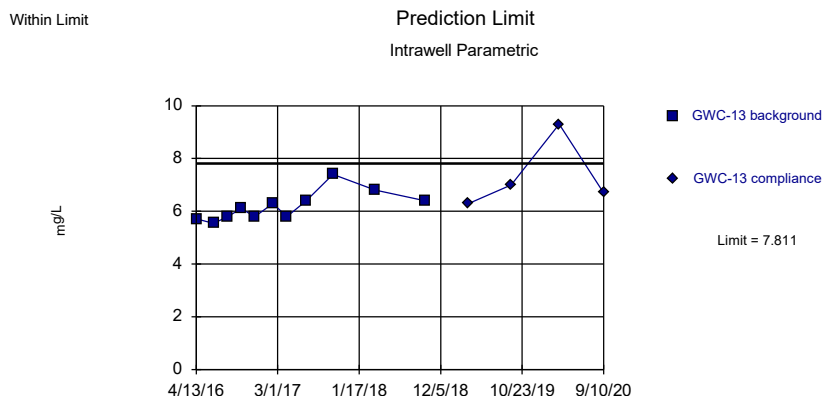
Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Background Data Summary: Mean=1.063, Std. Dev.=0.1355, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.



Background Data Summary: Mean=6.186, Std. Dev.=0.5526, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9015, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

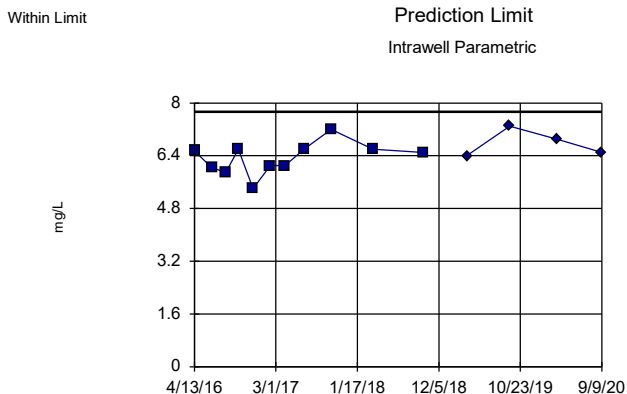
Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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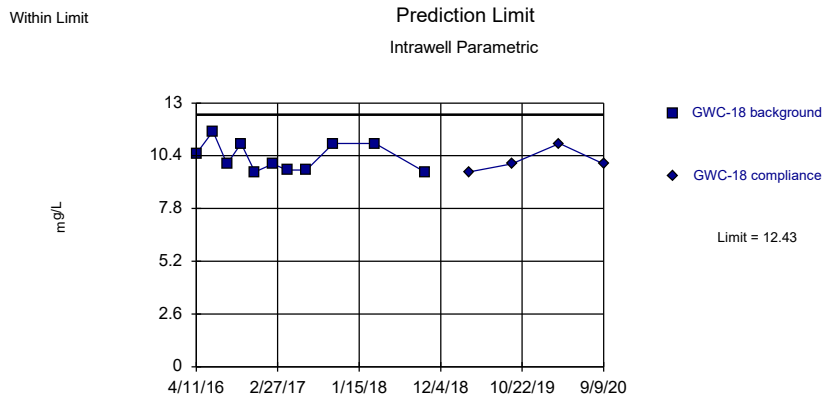
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Background Data Summary: Mean=6.326, Std. Dev.=0.4788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

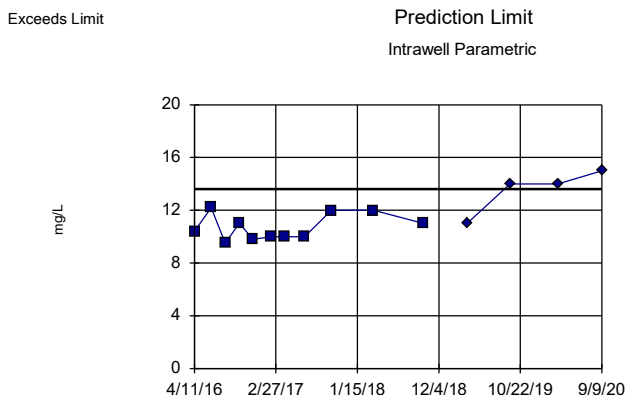


Background Data Summary: Mean=10.34, Std. Dev.=0.7117, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8695, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

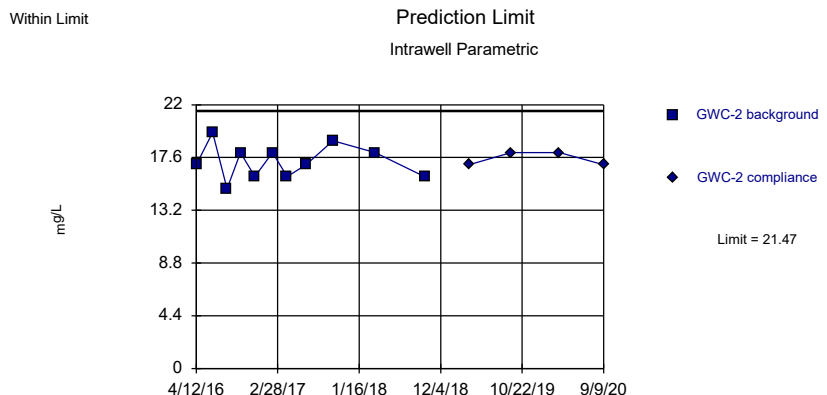
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Background Data Summary: Mean=10.72, Std. Dev.=0.9806, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8782, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Background Data Summary: Mean=17.25, Std. Dev.=1.436, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

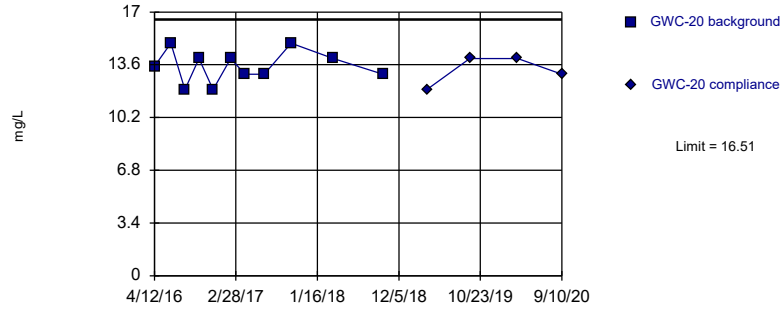
Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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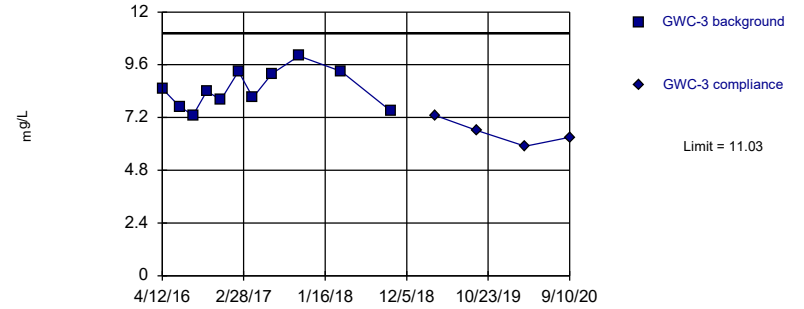
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=13.5, Std. Dev.=1.025, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.923, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit Prediction Limit  
Intrawell Parametric

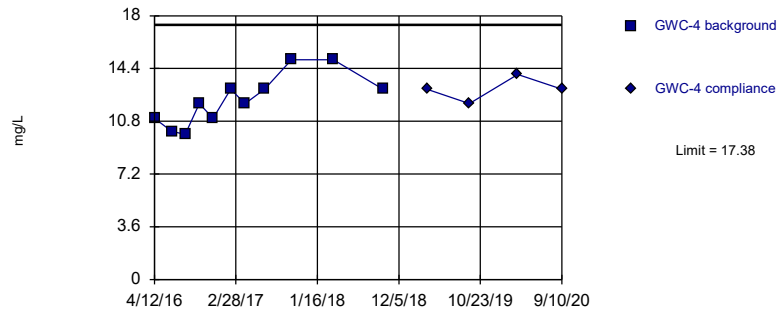


Background Data Summary: Mean=8.484, Std. Dev.=0.867, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric

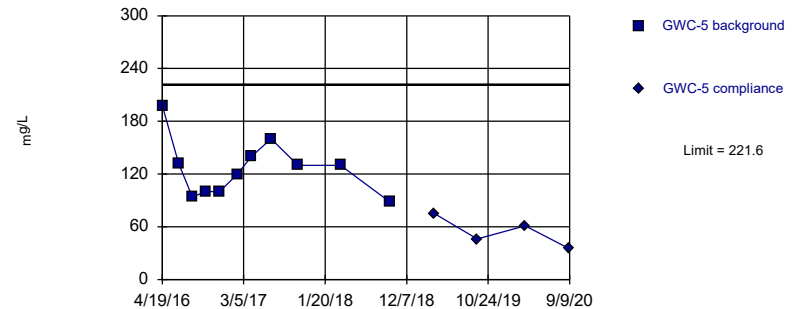


Background Data Summary: Mean=12.27, Std. Dev.=1.738, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9259, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric



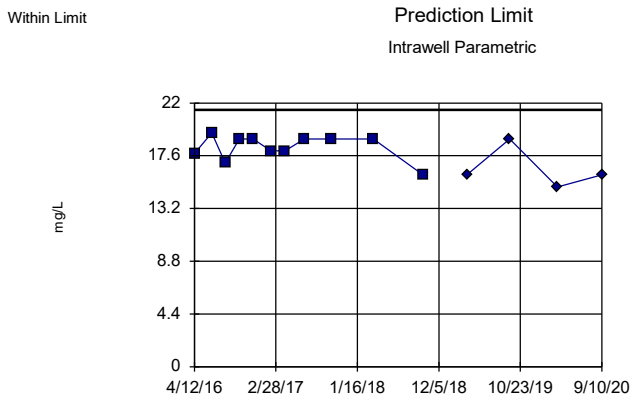
Background Data Summary: Mean=126.5, Std. Dev.=32.34, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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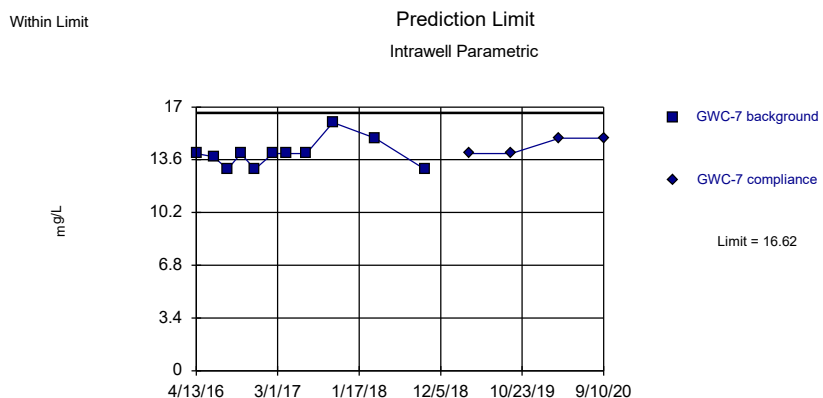
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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=18.3, Std. Dev.=1.063, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8543, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

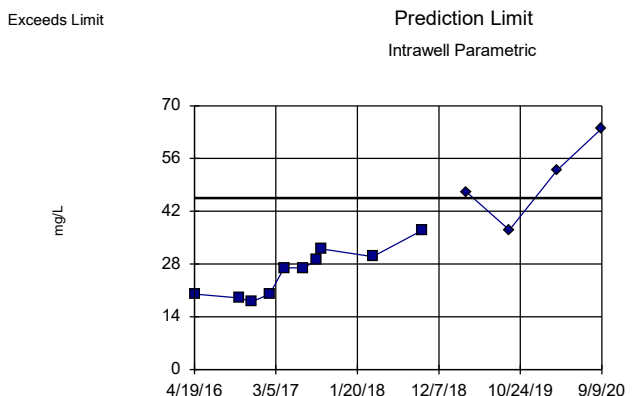


Background Data Summary: Mean=13.98, Std. Dev.=0.8965, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8398, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

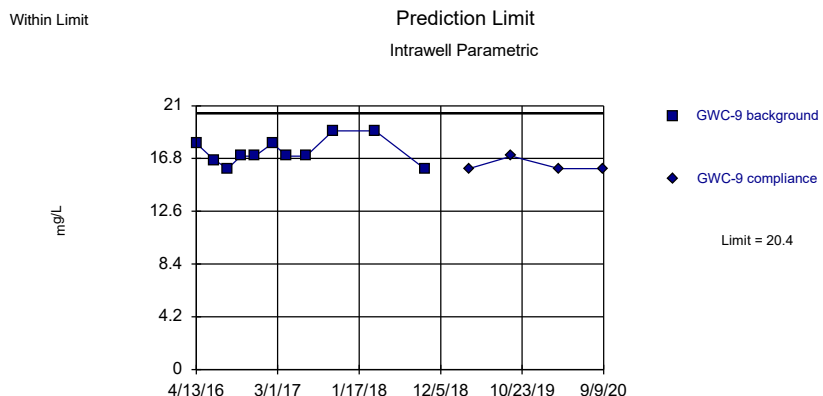
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



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, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



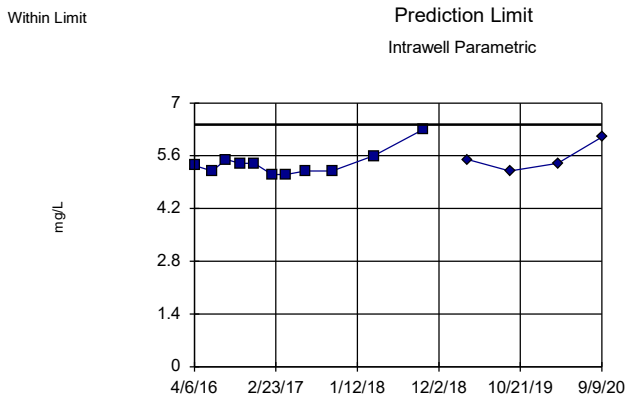
Background Data Summary: Mean=17.34, Std. Dev.=1.041, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8927, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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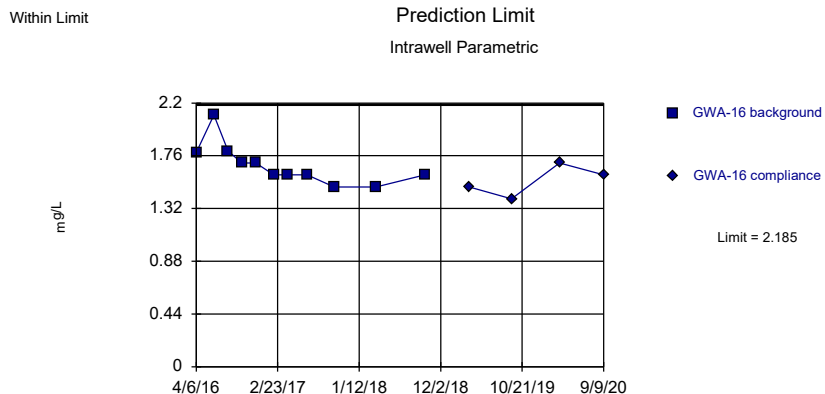
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Background Data Summary (based on natural log transformation): Mean=1.684, Std. Dev.=0.06022, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7973, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

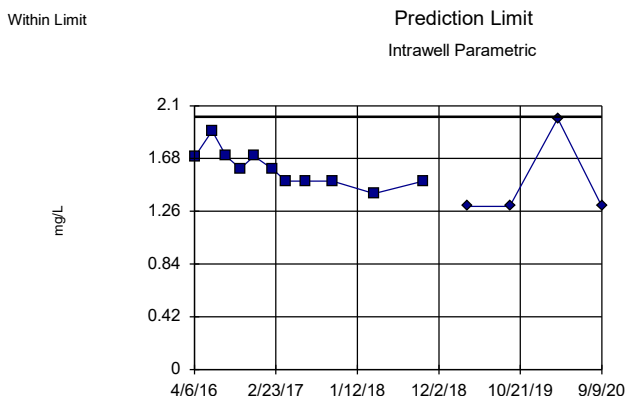


Background Data Summary: Mean=1.681, Std. Dev.=0.1714, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8489, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

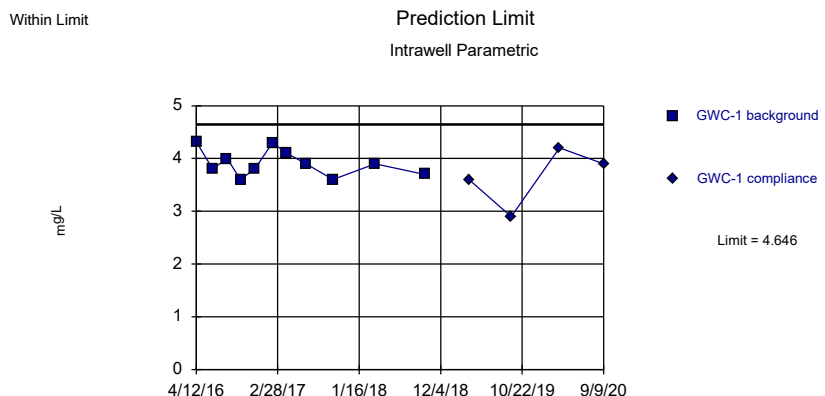
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=1.599, Std. Dev.=0.1407, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Background Data Summary: Mean=3.911, Std. Dev.=0.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

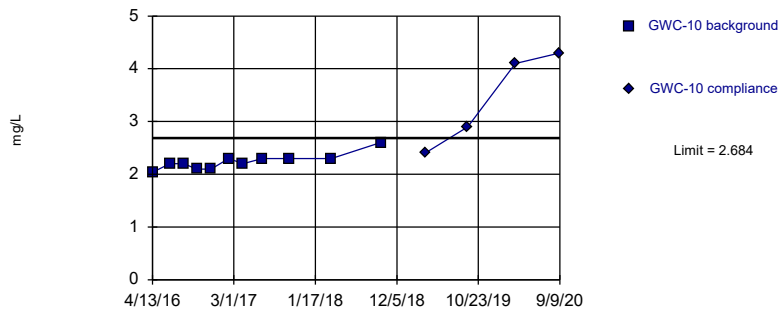
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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Exceeds Limit

Prediction Limit  
 Intrawell Parametric

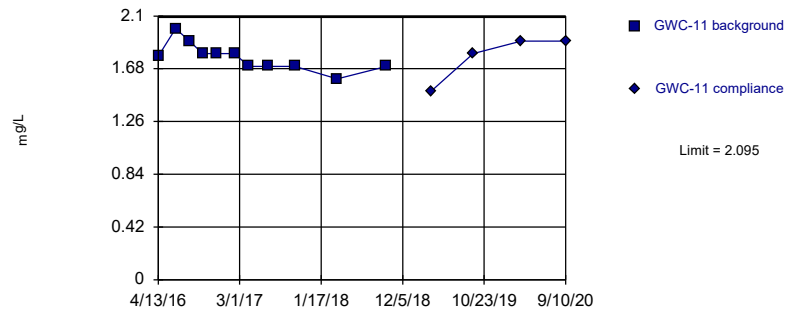


Background Data Summary: Mean=2.24, Std. Dev.=0.151, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
 Intrawell Parametric



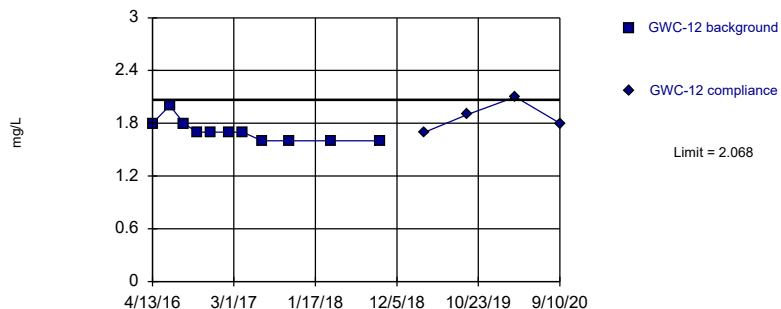
Background Data Summary: Mean=1.771, Std. Dev.=0.11, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

Prediction Limit  
 Intrawell Parametric



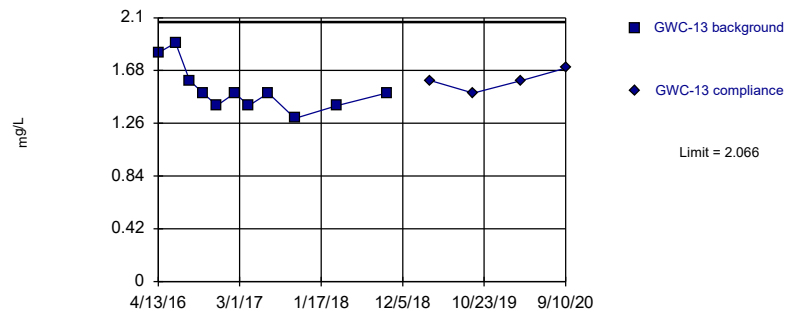
Background Data Summary: Mean=1.709, Std. Dev.=0.1221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8208, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limit

Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=1.529, Std. Dev.=0.1825, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8586, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

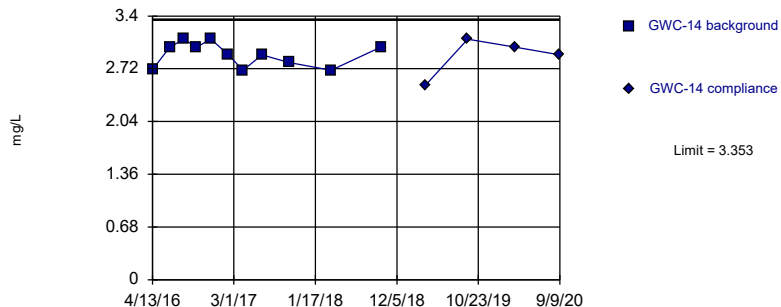
Constituent: Chloride, Total Analysis Run 11/19/2020 4:34 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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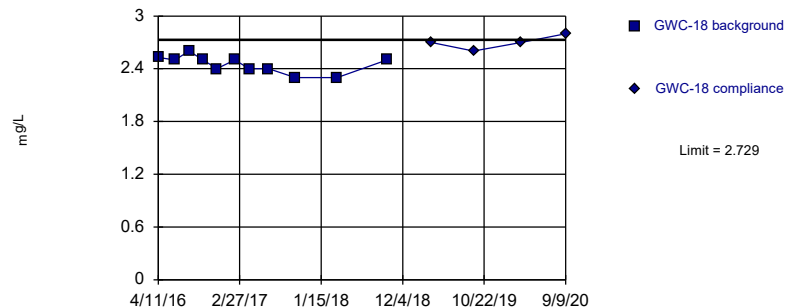
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit                          Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.901, Std. Dev.=0.1537, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Exceeds Limit                          Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.448, Std. Dev.=0.09558, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9086, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

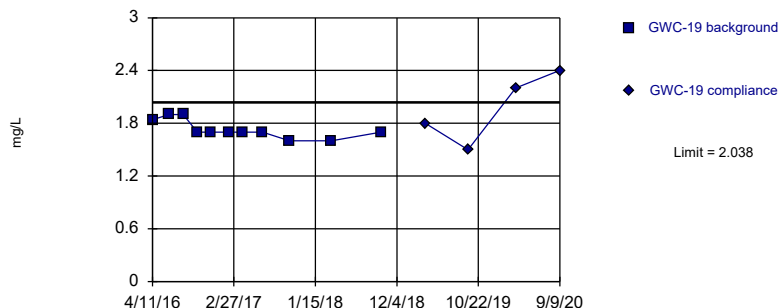
Constituent: Chloride, Total    Analysis Run 11/19/2020 4:34 PM    View: PL's Fed Intra  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

Constituent: Chloride, Total    Analysis Run 11/19/2020 4:34 PM    View: PL's Fed Intra  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

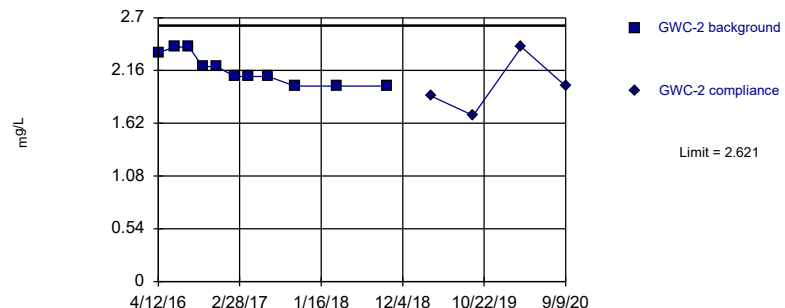
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Exceeds Limit                          Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.731, Std. Dev.=0.1044, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Within Limit                          Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.167, Std. Dev.=0.1542, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8694, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

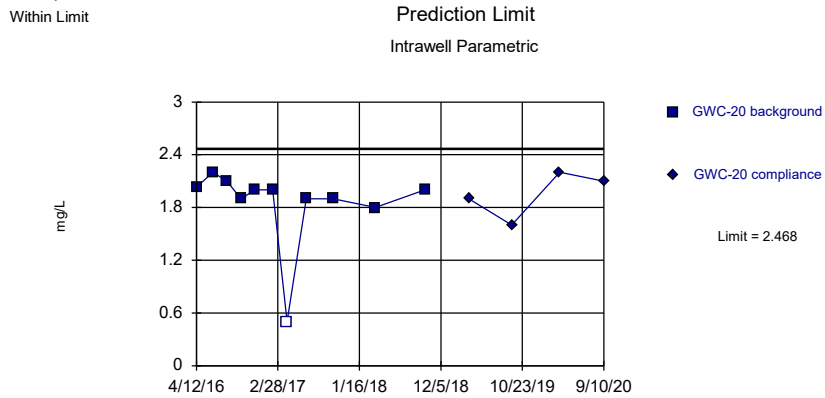
Constituent: Chloride, Total    Analysis Run 11/19/2020 4:34 PM    View: PL's Fed Intra  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

Constituent: Chloride, Total    Analysis Run 11/19/2020 4:34 PM    View: PL's Fed Intra  
Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

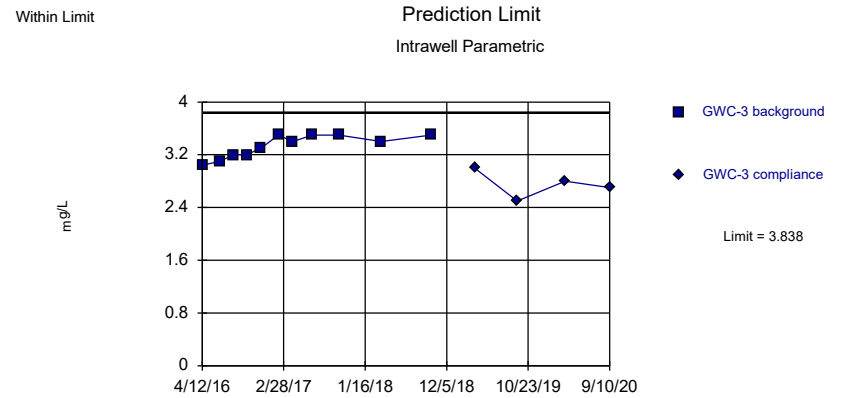


Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary (based on cube transformation): Mean=7.164, Std. Dev.=2.677, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8087, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.



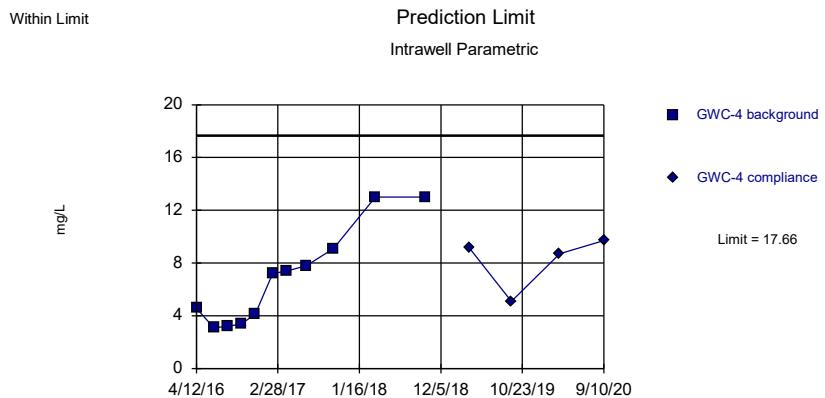
Background Data Summary: Mean=3.331, Std. Dev.=0.1724, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8682, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

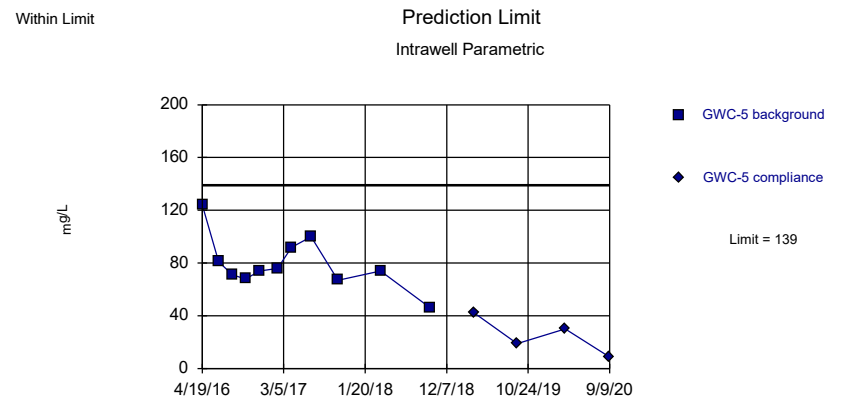
Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Background Data Summary: Mean=6.897, Std. Dev.=3.661, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.



Background Data Summary: Mean=79.36, Std. Dev.=20.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9228, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

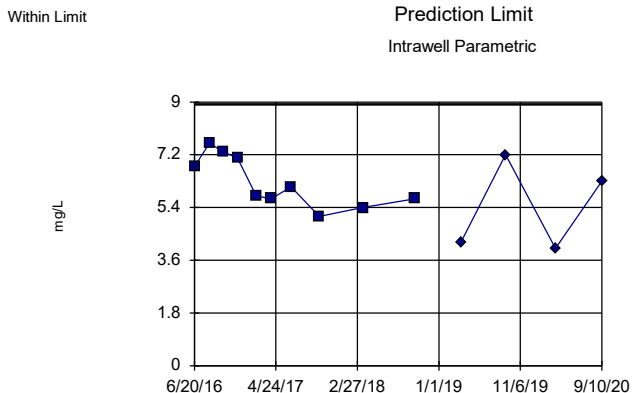
Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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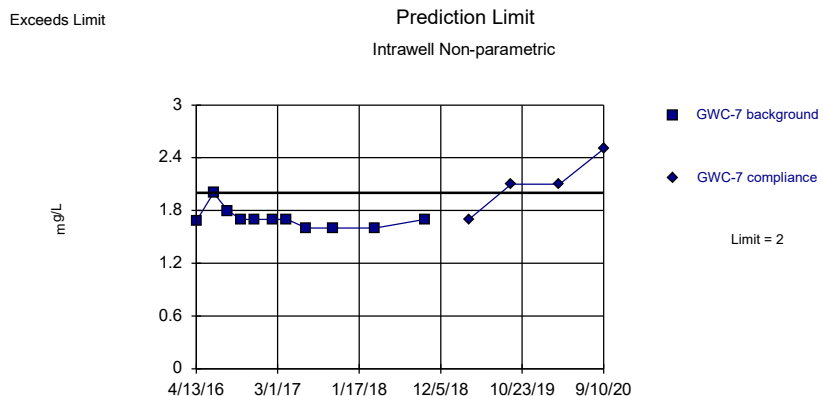
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Background Data Summary: Mean=6.26, Std. Dev.=0.8708, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9206, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

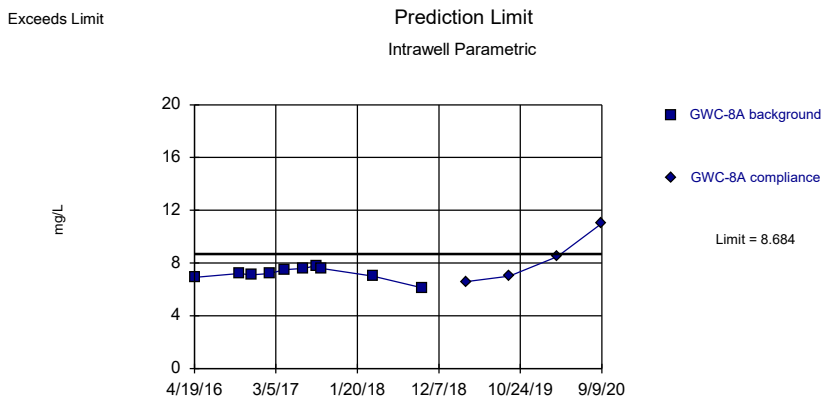


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

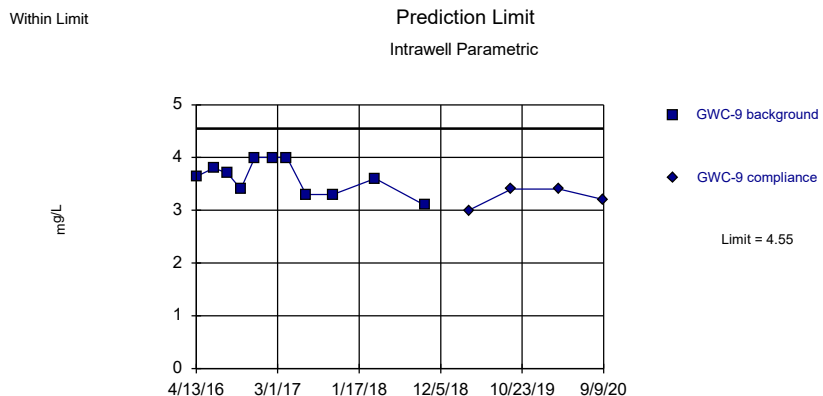
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Background Data Summary: Mean=7.2, Std. Dev.=0.4853, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9028, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Background Data Summary: Mean=3.622, Std. Dev.=0.3157, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.922, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

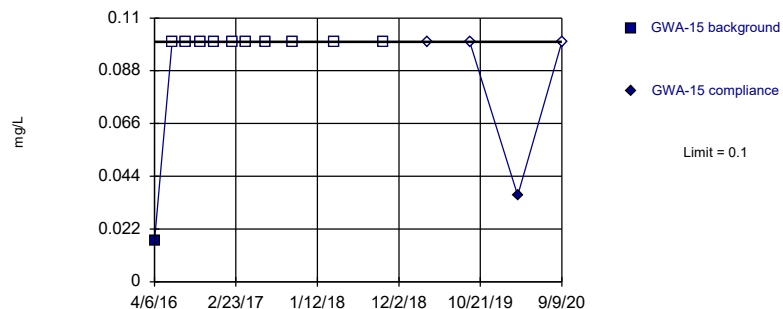
Constituent: Chloride, Total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



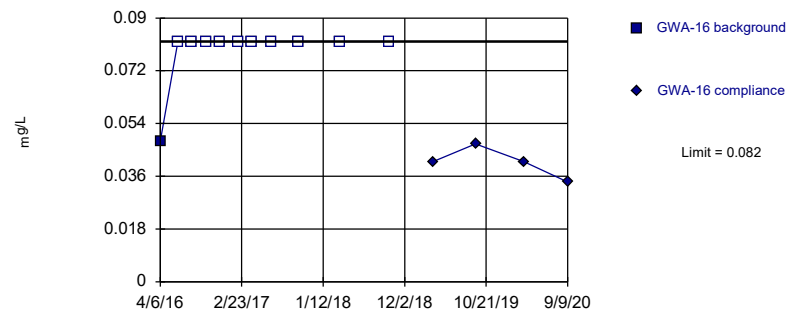
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



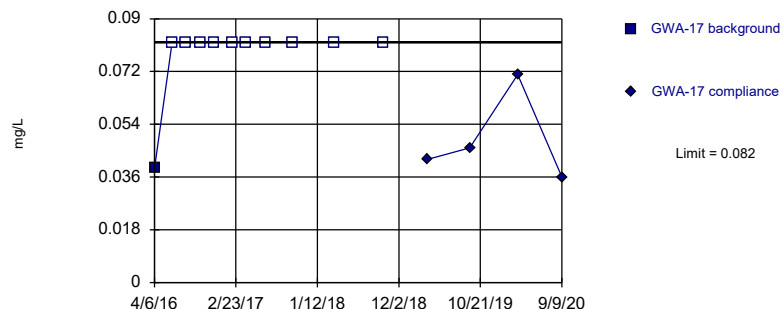
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



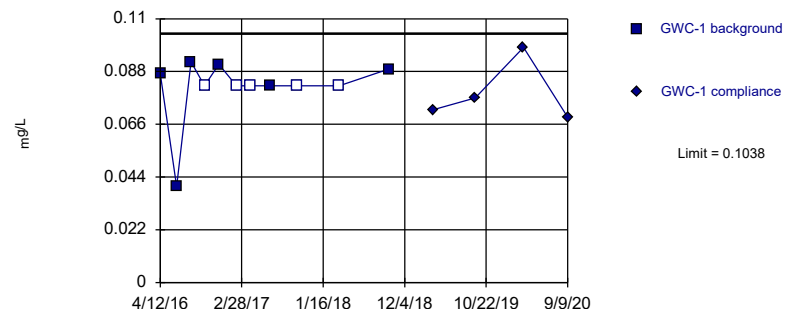
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary (based on x<sup>4</sup> transformation) (after Kaplan-Meier Adjustment): Mean=0.00003886, Std. Dev.=0.00002632, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8005, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

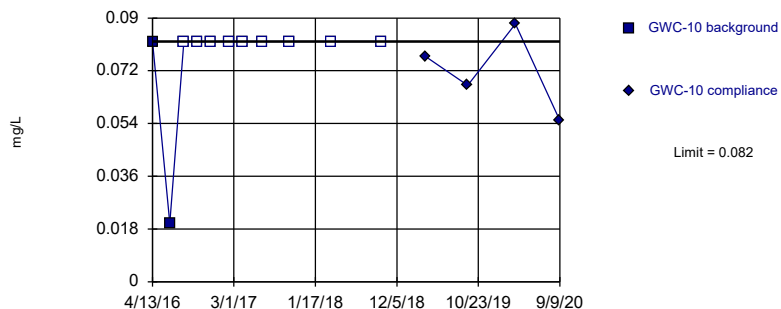
Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



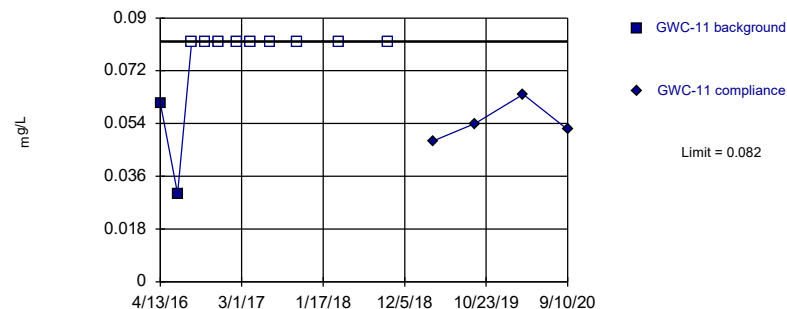
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



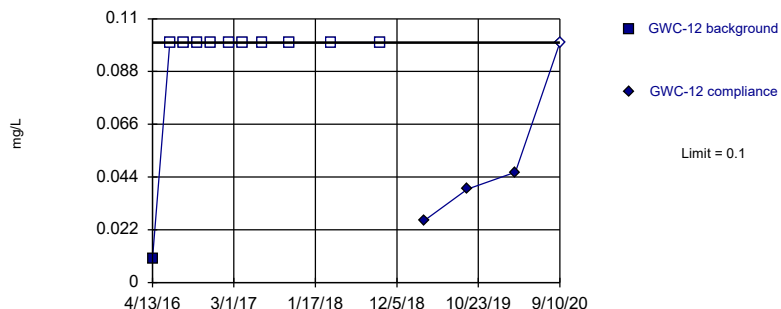
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



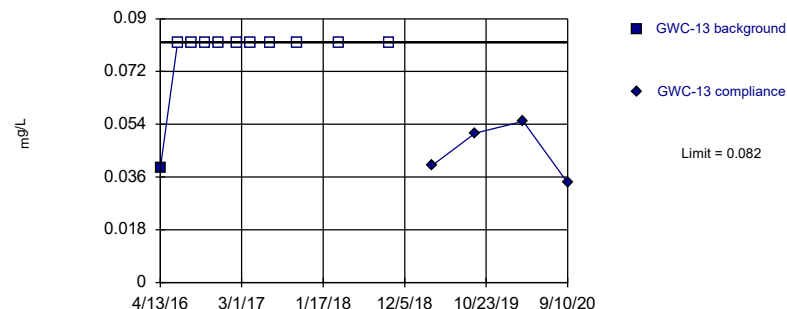
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

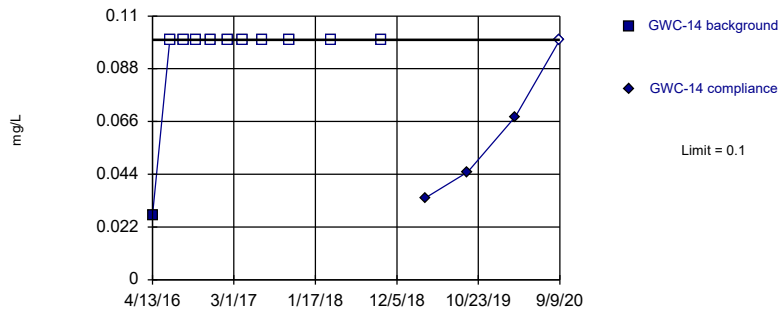
Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



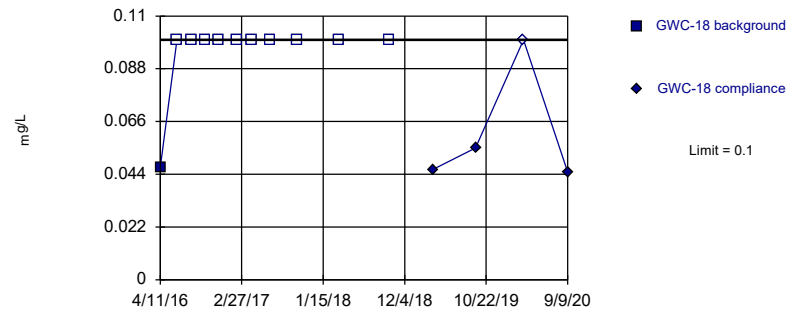
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



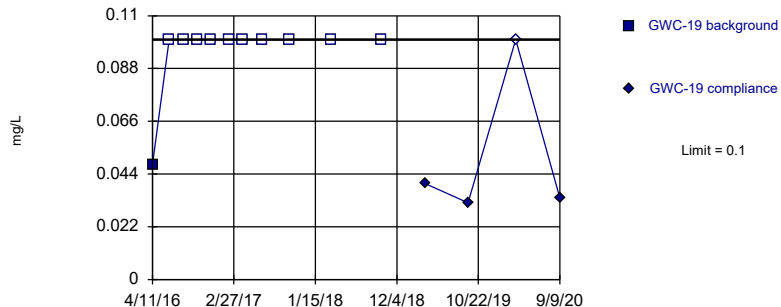
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



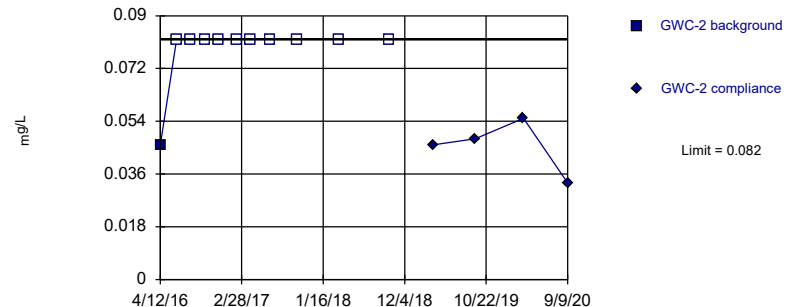
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



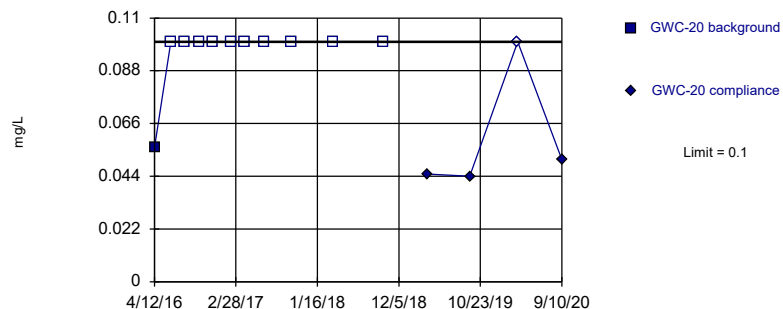
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

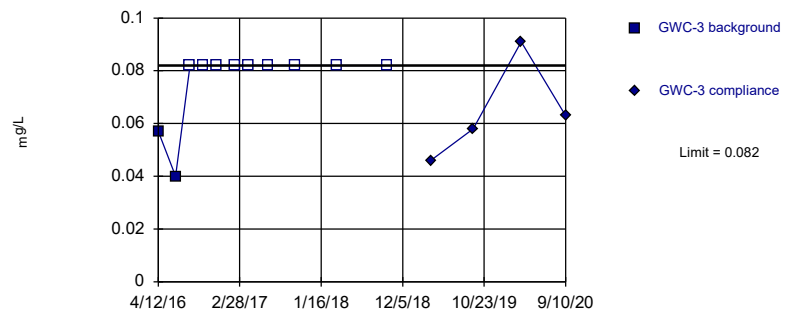


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

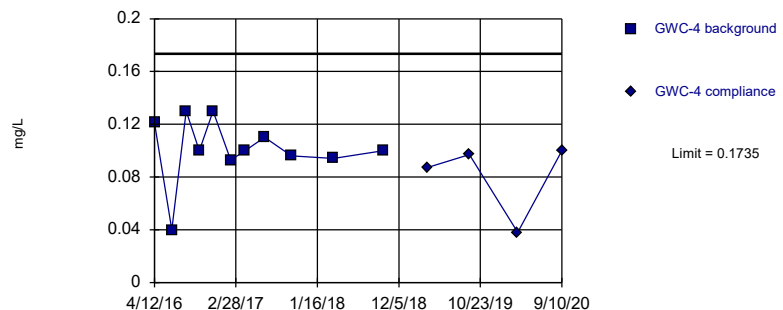


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric

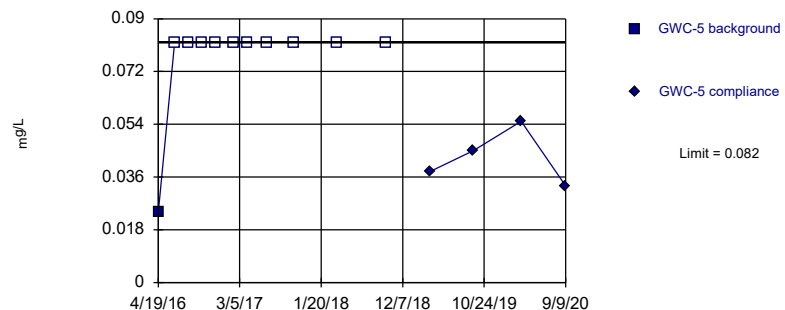


Background Data Summary: Mean=0.1013, Std. Dev.=0.02454, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8315, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Non-parametric



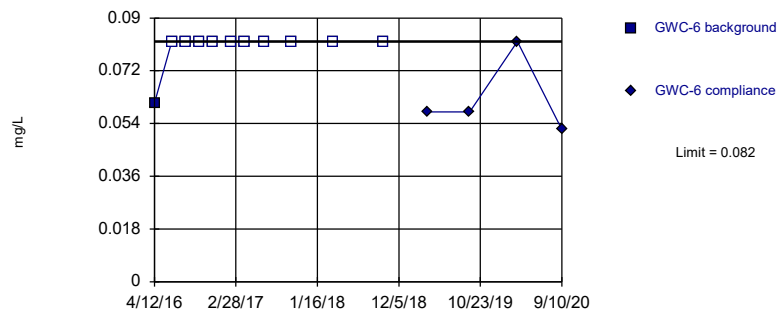
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

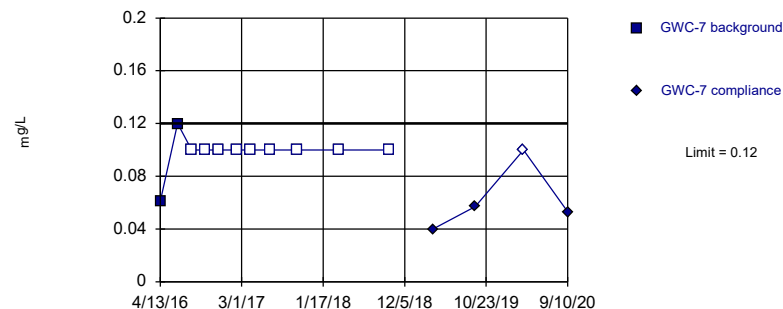


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit Prediction Limit  
Intrawell Non-parametric

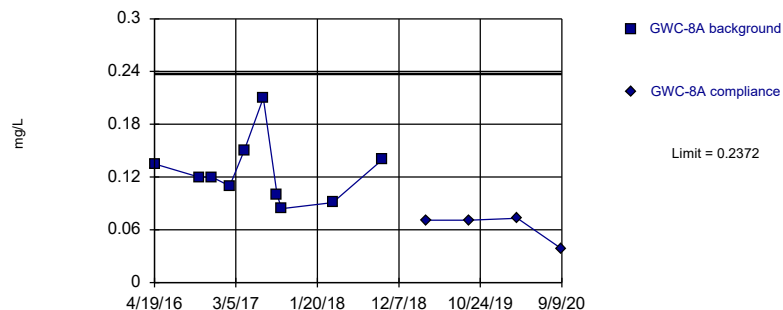


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric

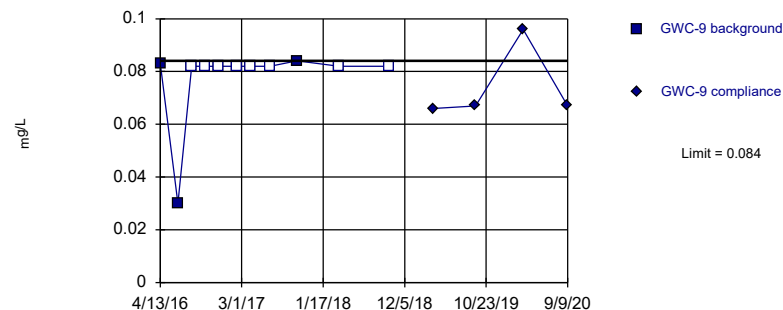


Background Data Summary: Mean=0.126, Std. Dev.=0.03637, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

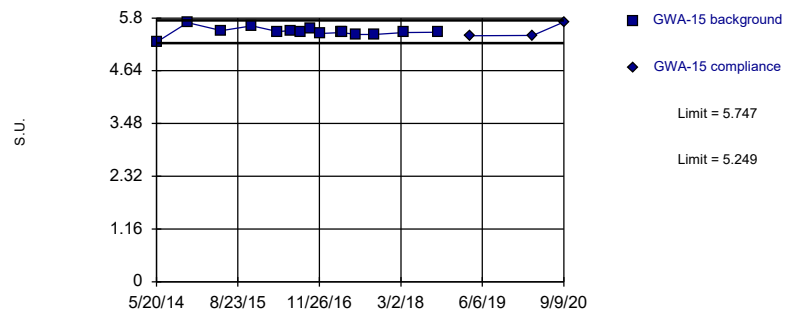
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Within Limits

**Prediction Limit**  
Intrawell Parametric

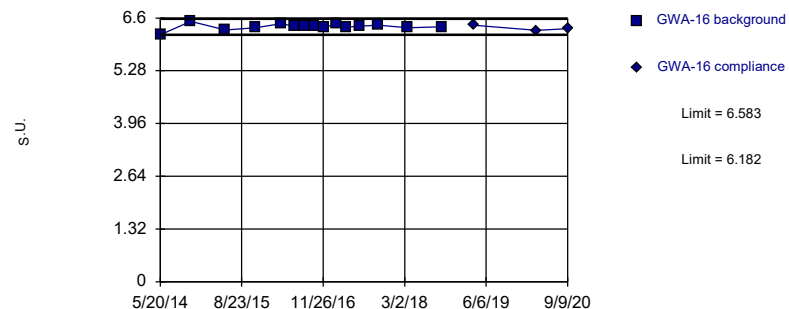


Background Data Summary: Mean=5.498, Std. Dev.=0.0942, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8953, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

**Prediction Limit**  
Intrawell Parametric



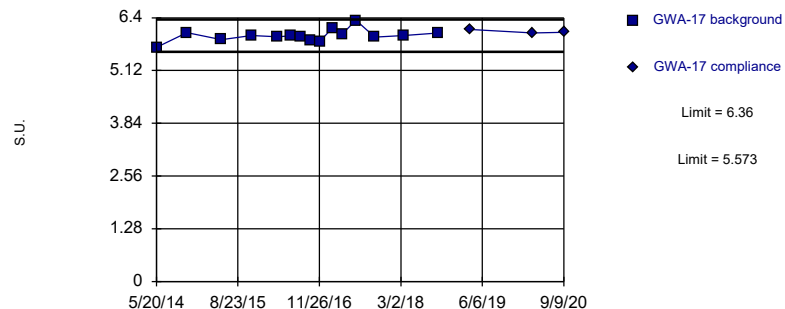
Background Data Summary: Mean=6.383, Std. Dev.=0.07611, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9003, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



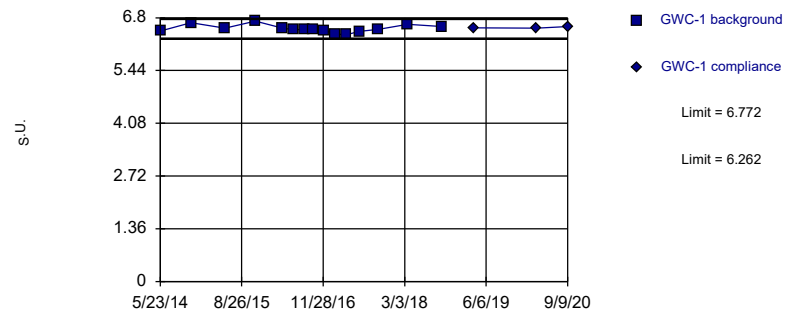
Background Data Summary: Mean=5.966, Std. Dev.=0.149, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limits

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=6.517, Std. Dev.=0.09662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



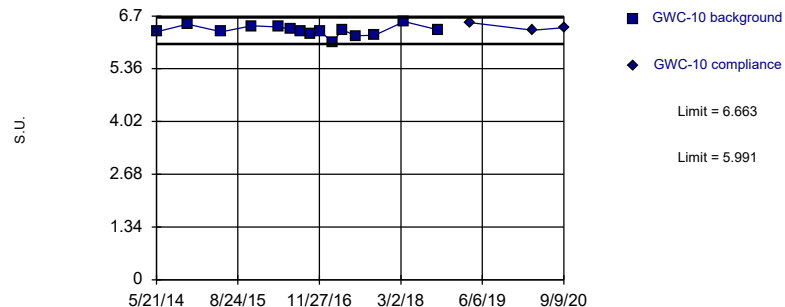
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Within Limits

Prediction Limit  
Intrawell Parametric

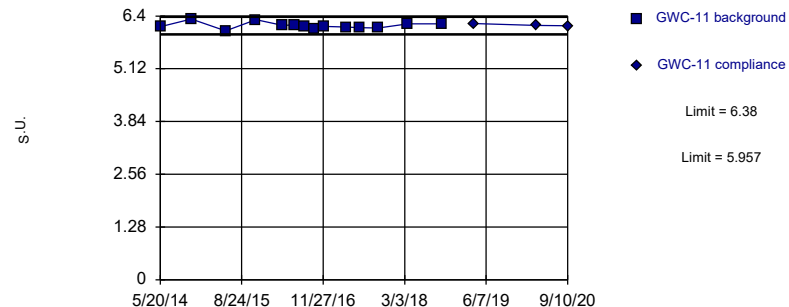


Background Data Summary: Mean=6.327, Std. Dev.=0.1274, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9732, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.169, Std. Dev.=0.07843, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

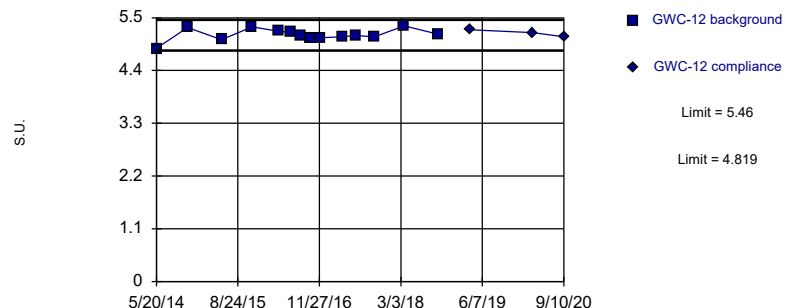
Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Within Limits

Prediction Limit  
Intrawell Parametric

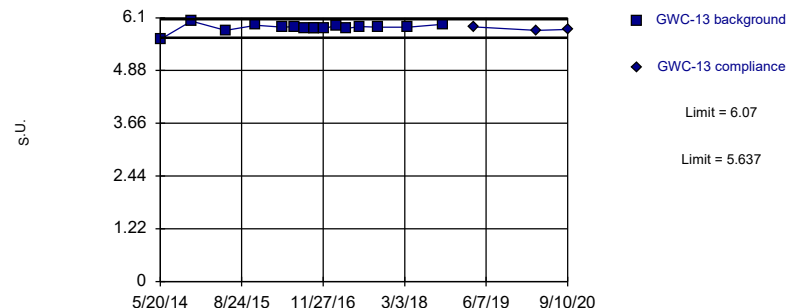


Background Data Summary: Mean=5.139, Std. Dev.=0.1214, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on x\*6 transformation): Mean=41061, Std. Dev.=3479, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.844. Kappa = 2.576 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

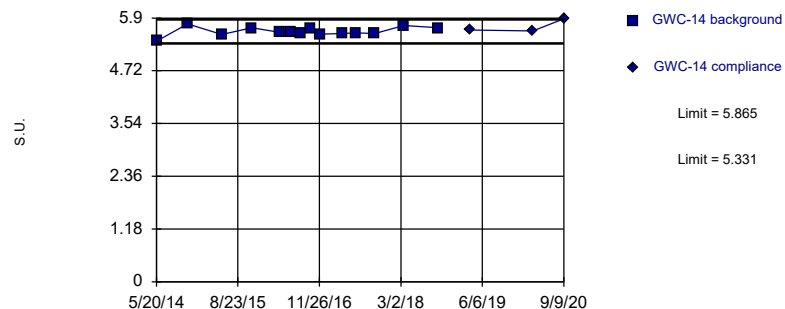
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Exceeds Limits

**Prediction Limit**  
Intrawell Parametric

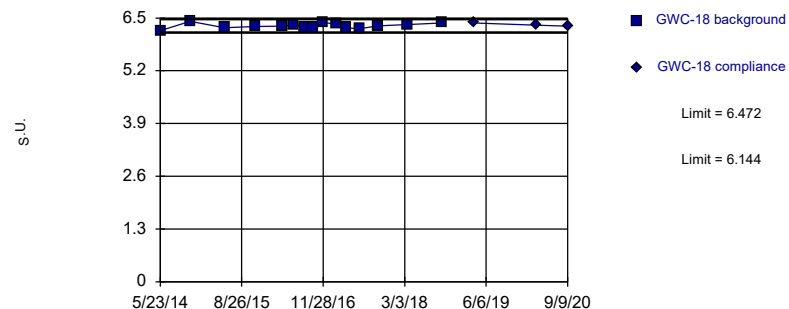


Background Data Summary: Mean=5.598, Std. Dev.=0.09885, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9374, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

**Prediction Limit**  
Intrawell Parametric



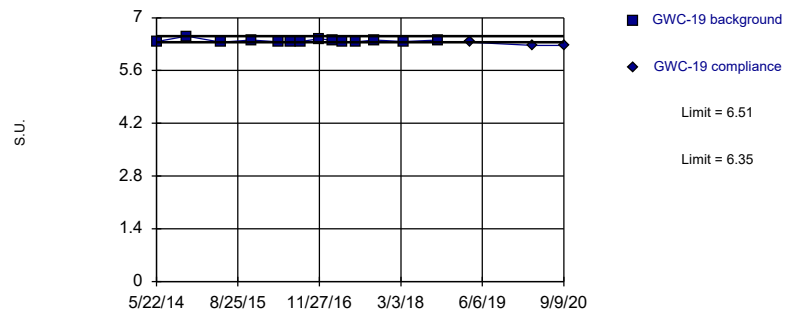
Background Data Summary: Mean=6.308, Std. Dev.=0.06213, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9832, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Exceeds Limits

**Prediction Limit**  
Intrawell Non-parametric



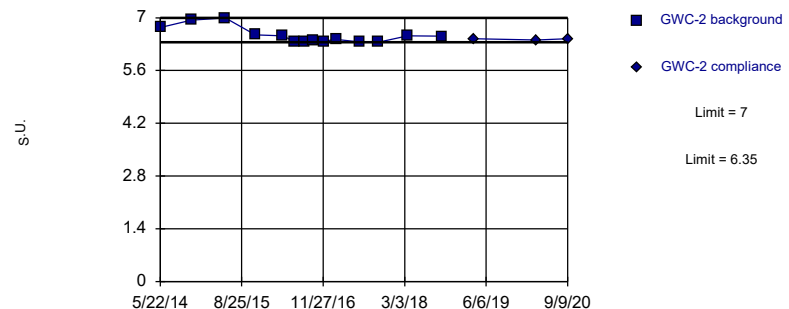
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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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 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

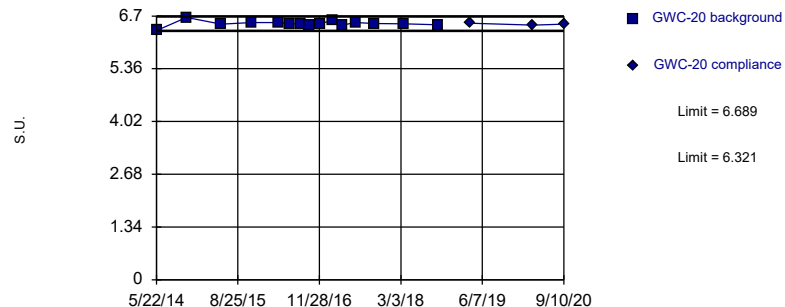
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Within Limits

**Prediction Limit**  
Intrawell Parametric

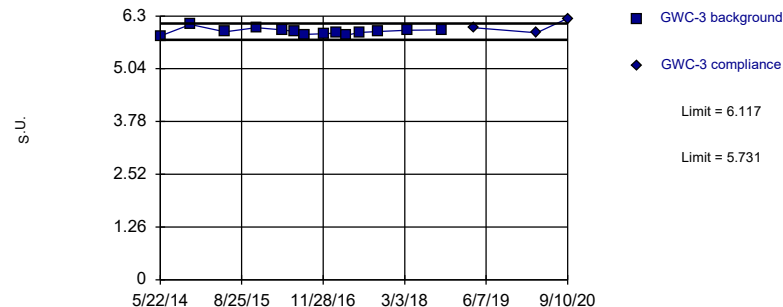


Background Data Summary: Mean=6.505, Std. Dev.=0.06978, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

**Prediction Limit**  
Intrawell Parametric



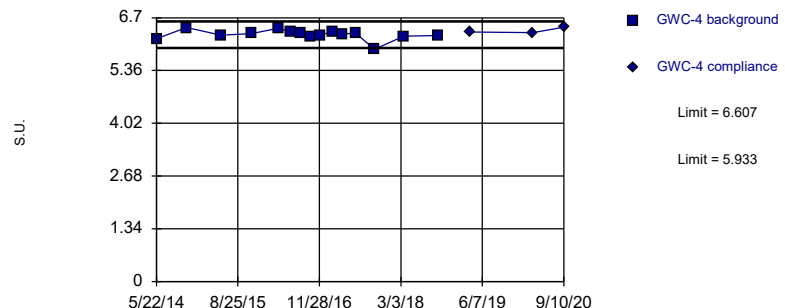
Background Data Summary: Mean=5.924, Std. Dev.=0.07327, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



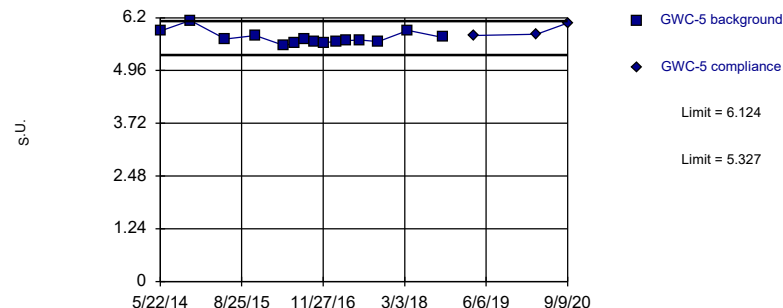
Background Data Summary: Mean=6.27, Std. Dev.=0.1276, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8483, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=5.725, Std. Dev.=0.1511, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8366, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

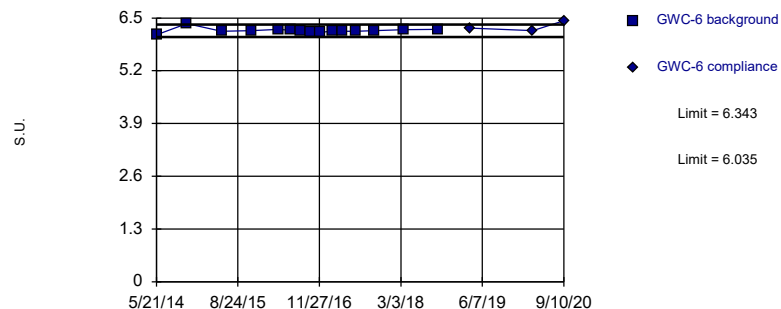
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Exceeds Limits

**Prediction Limit**  
Intrawell Parametric

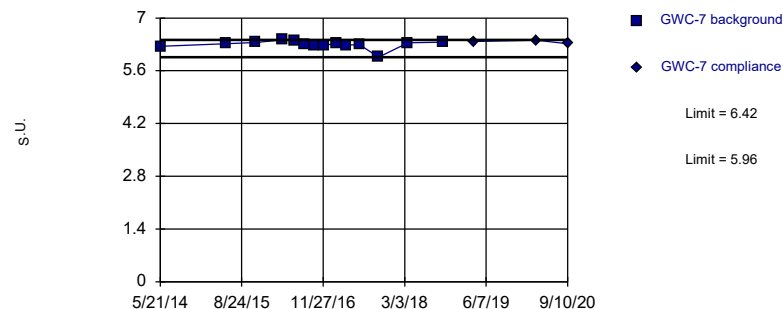


Background Data Summary (based on square root transformation): Mean=2.488, Std. Dev.=0.01171, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8356, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

**Prediction Limit**  
Intrawell Non-parametric



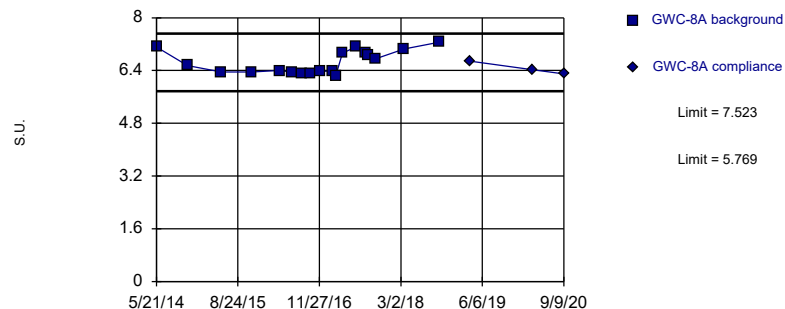
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 of 2).

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



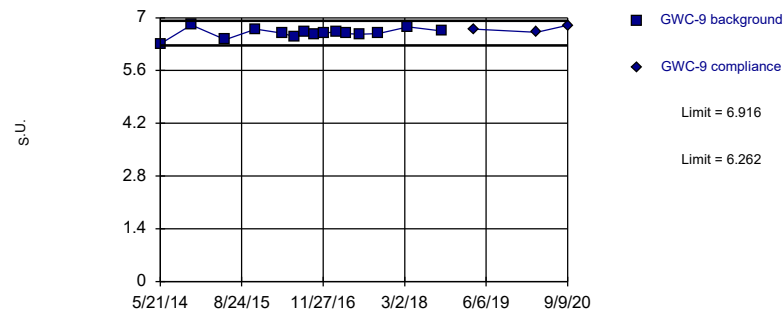
Background Data Summary: Mean=6.646, Std. Dev.=0.3493, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8617, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=6.589, Std. Dev.=0.1239, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9572, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

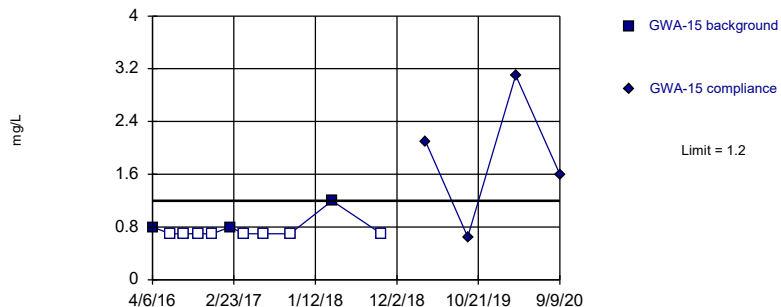
Constituent: pH, Field Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



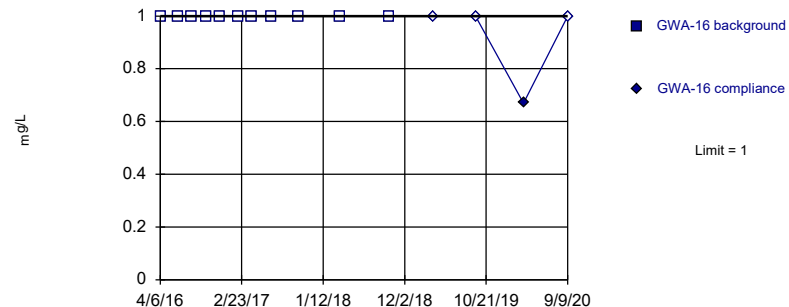
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



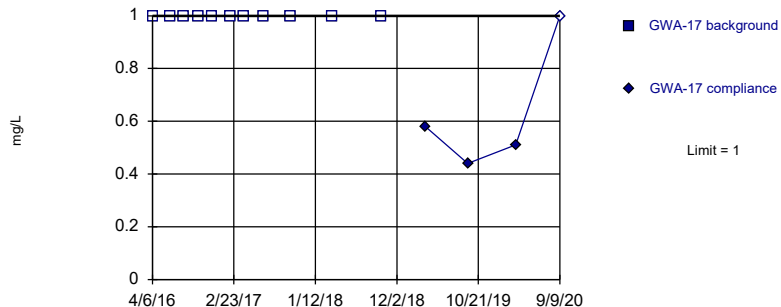
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



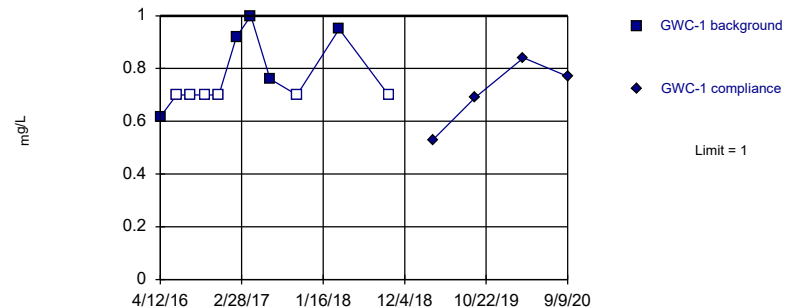
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 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 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

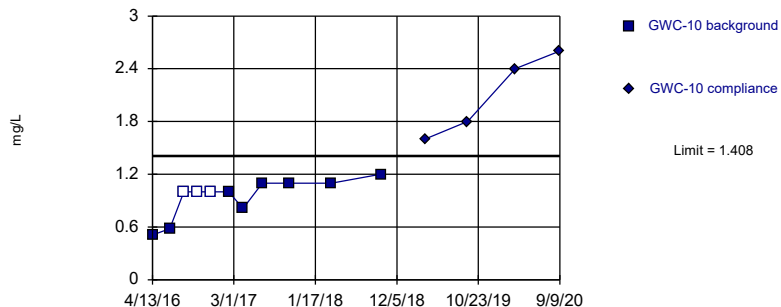
Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric



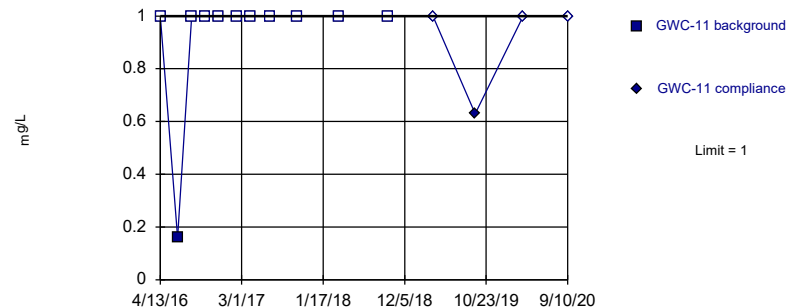
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7273, Std. Dev.=0.2315, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



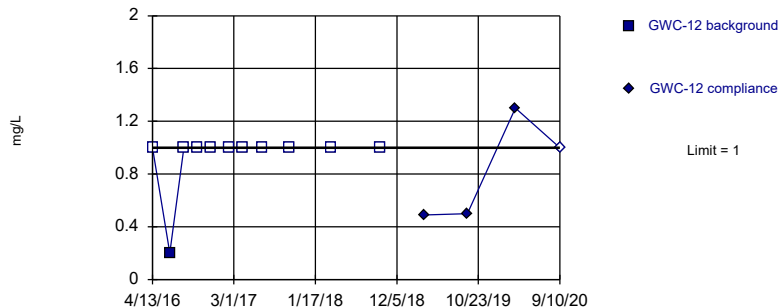
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



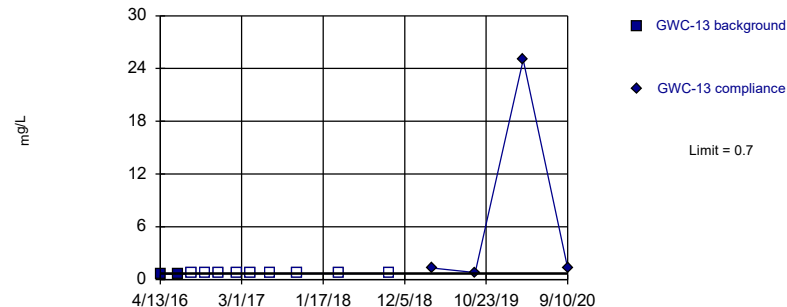
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



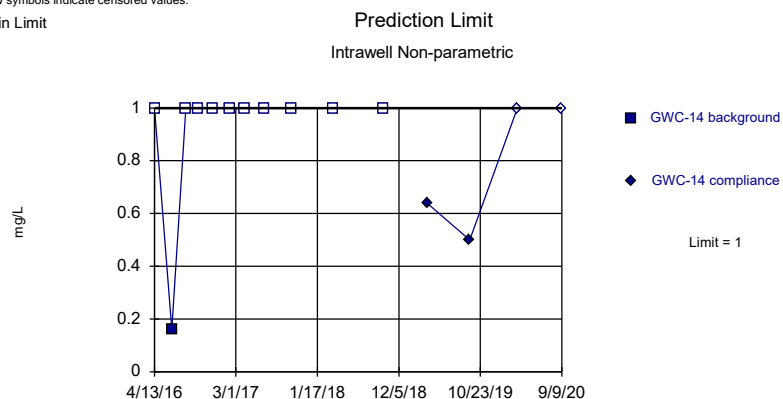
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Within Limit

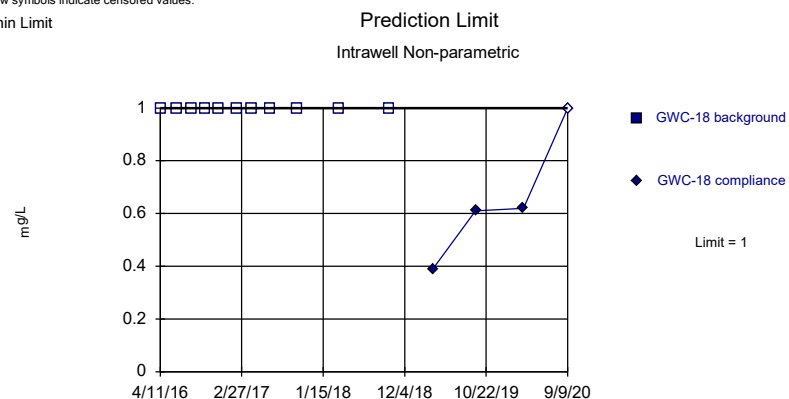


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

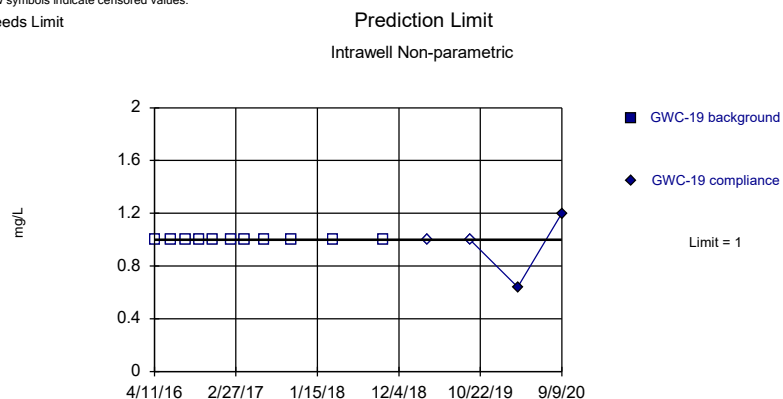


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

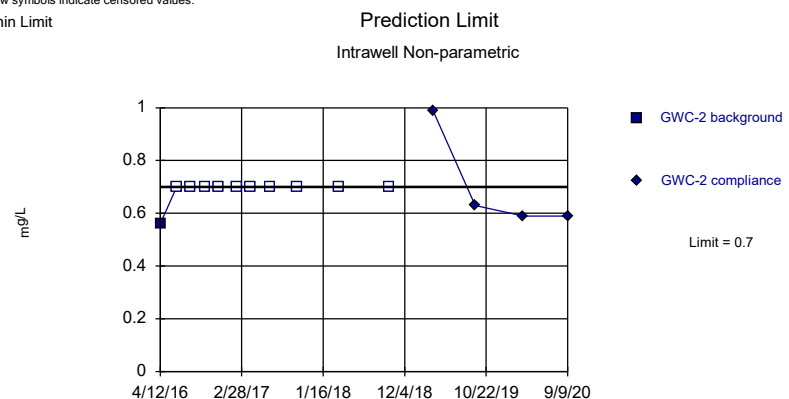


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



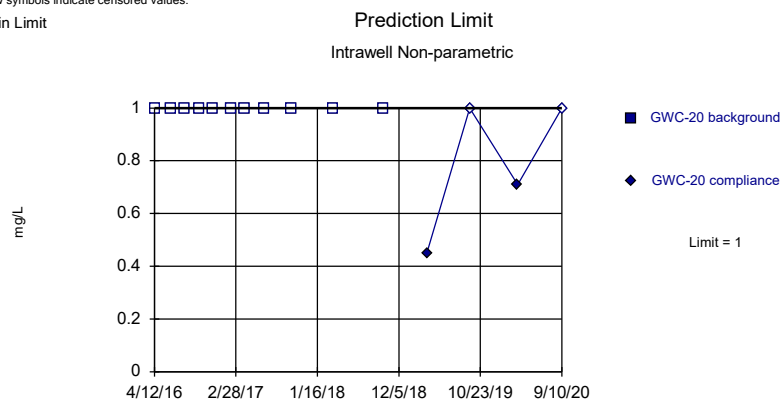
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

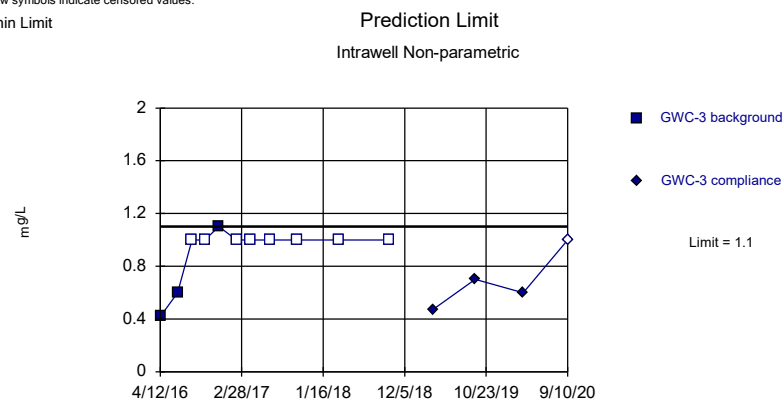


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

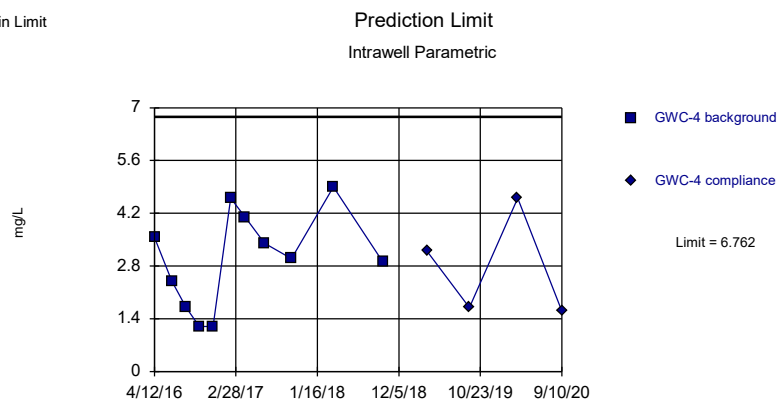


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit

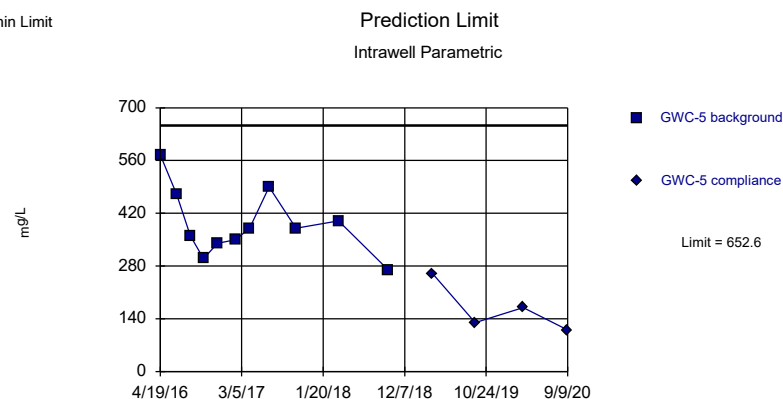


Background Data Summary: Mean=2.996, Std. Dev.=1.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9481, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit



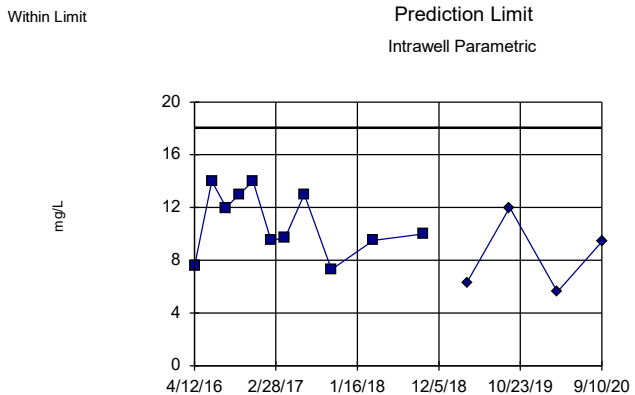
Background Data Summary: Mean=392.3, Std. Dev.=88.53, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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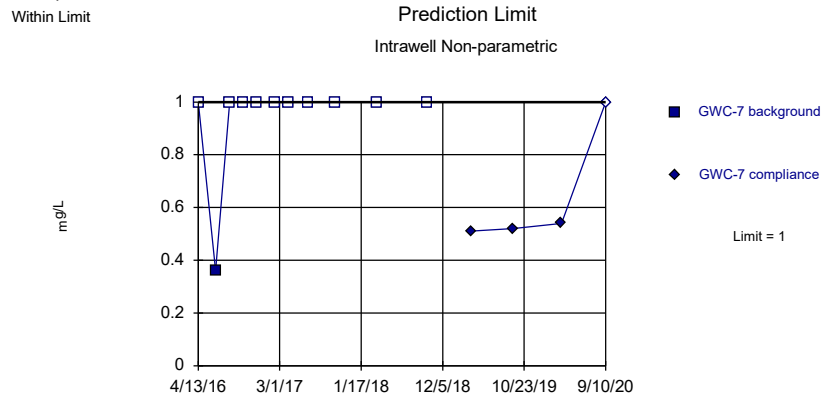
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=10.87, Std. Dev.=2.441, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, 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 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

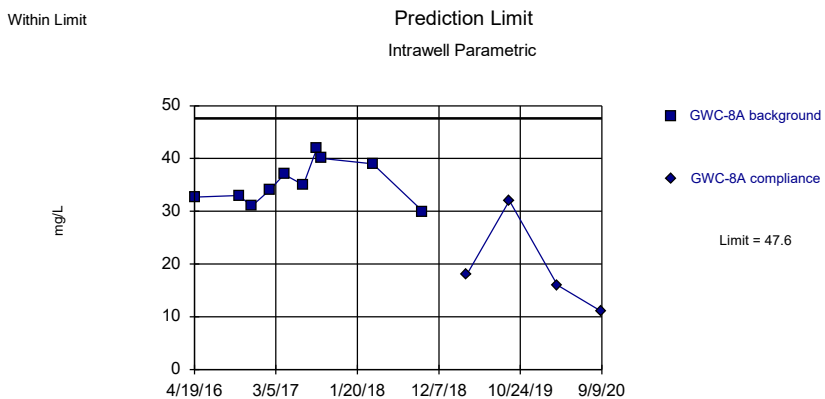
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

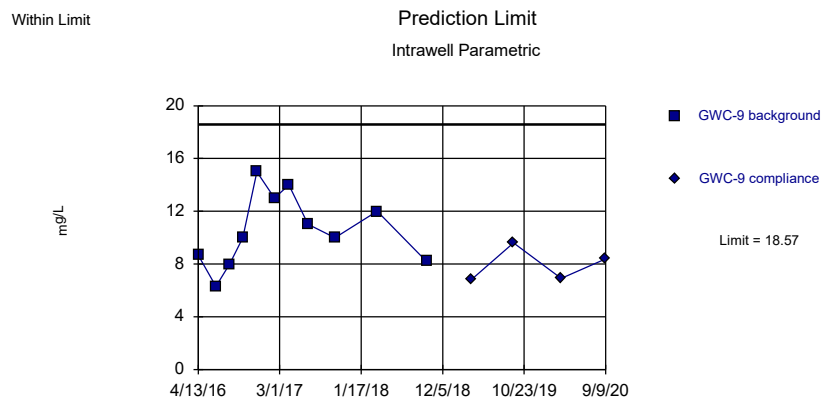
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=35.37, Std. Dev.=3.999, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=10.56, Std. Dev.=2.725, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

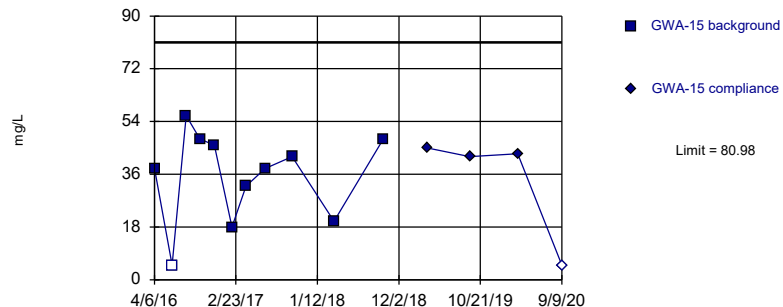
Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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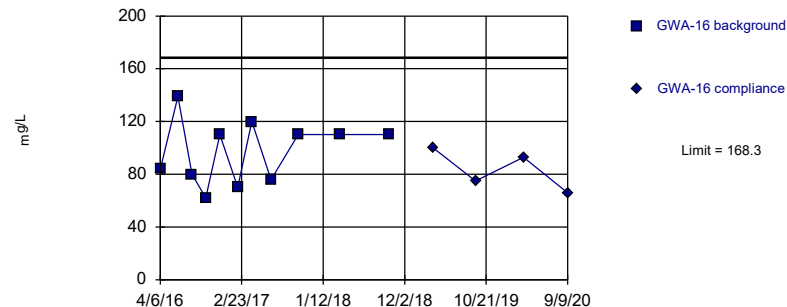
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=35.55, Std. Dev.=15.45, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit Prediction Limit  
Intrawell Parametric



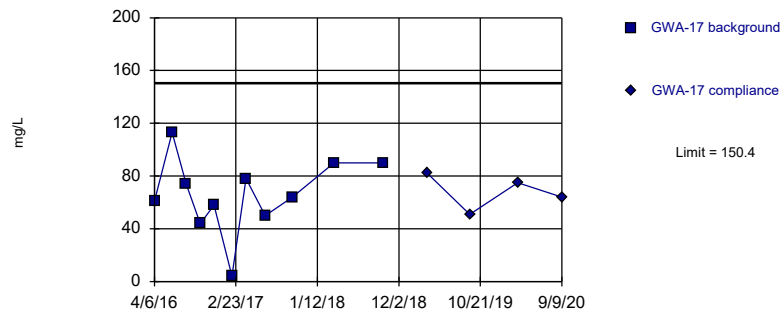
Background Data Summary: Mean=97.36, Std. Dev.=24.13, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

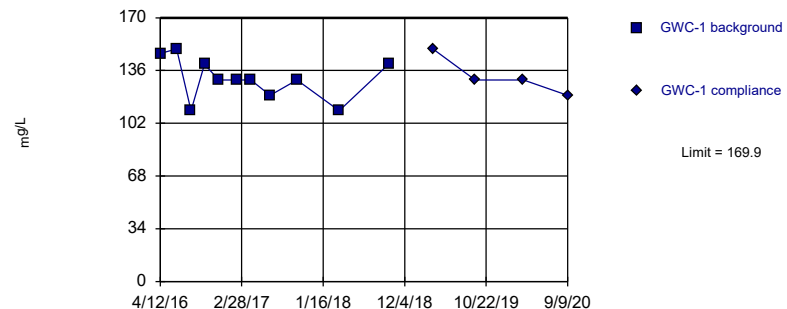
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=66, Std. Dev.=28.72, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

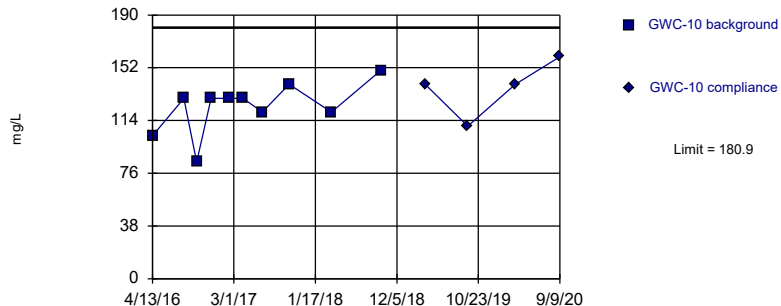
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=130.6, Std. Dev.=13.36, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9245, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

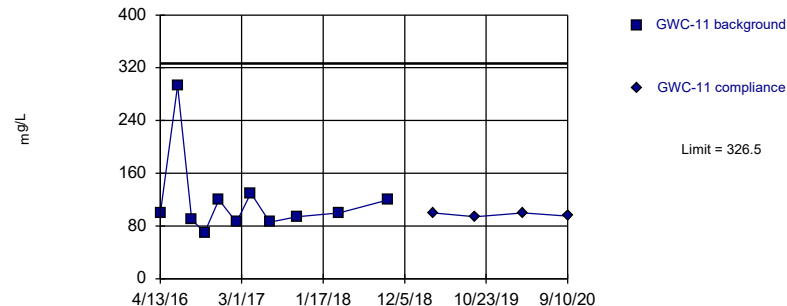
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit      Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=123.7, Std. Dev.=18.7, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Within Limit      Prediction Limit  
Intrawell Parametric

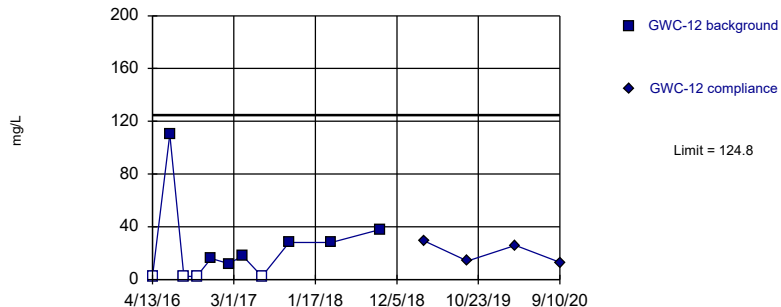


Background Data Summary (based on natural log transformation): Mean=4.684, Std. Dev.=0.3756, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.796, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

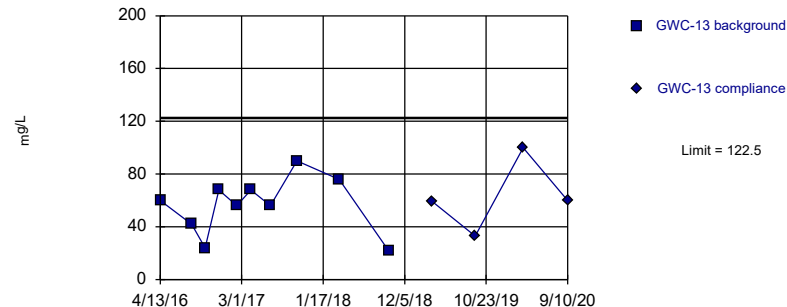
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit      Prediction Limit  
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.14, Std. Dev.=2.39, n=11, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

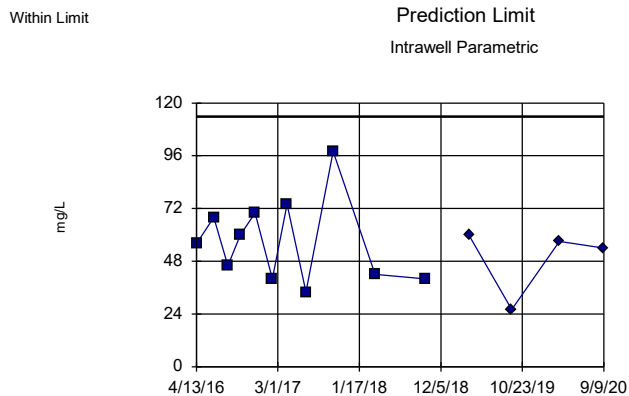
Within Limit      Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=56.2, Std. Dev.=21.69, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:35 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

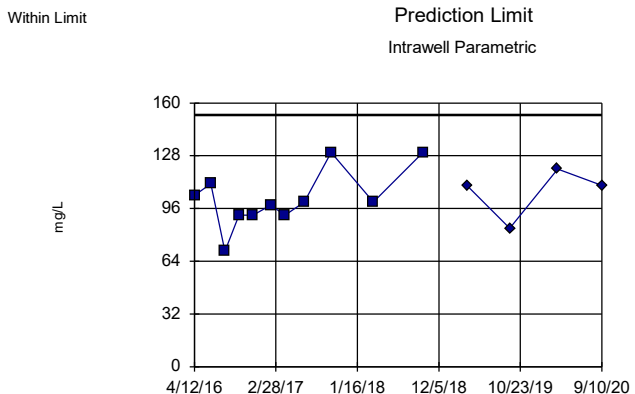
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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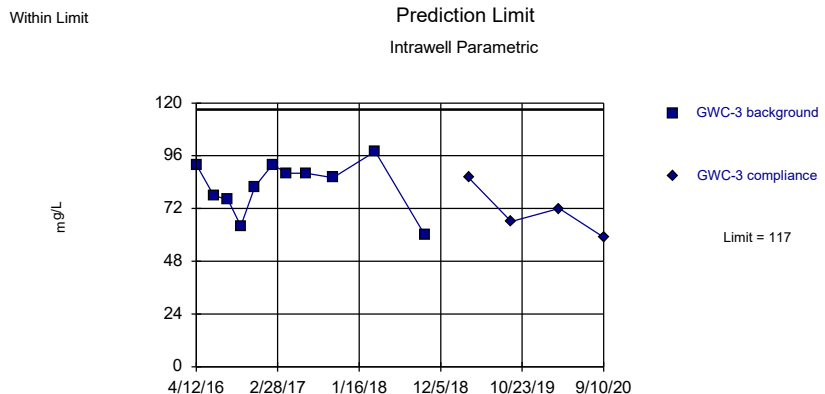
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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=101.7, Std. Dev.=17.32, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

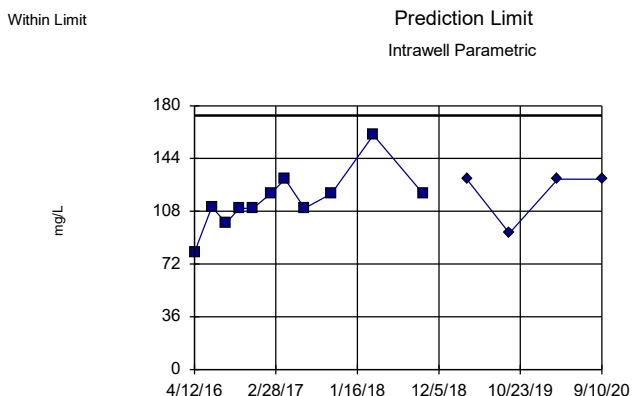


Background Data Summary: Mean=82.18, Std. Dev.=11.85, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9247, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

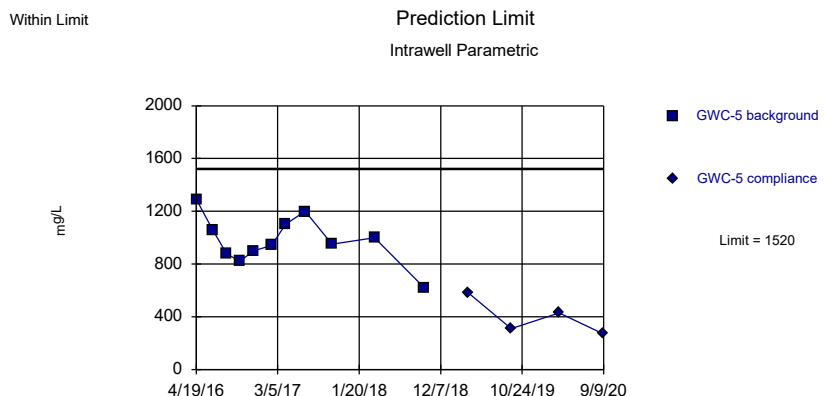
Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Background Data Summary: Mean=115.5, Std. Dev.=19.65, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Background Data Summary: Mean=978.2, Std. Dev.=184.3, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

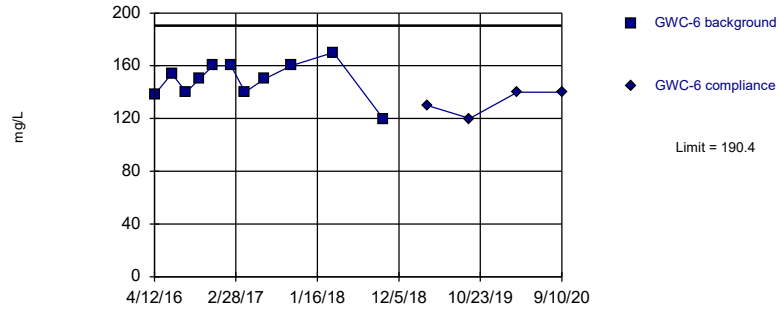
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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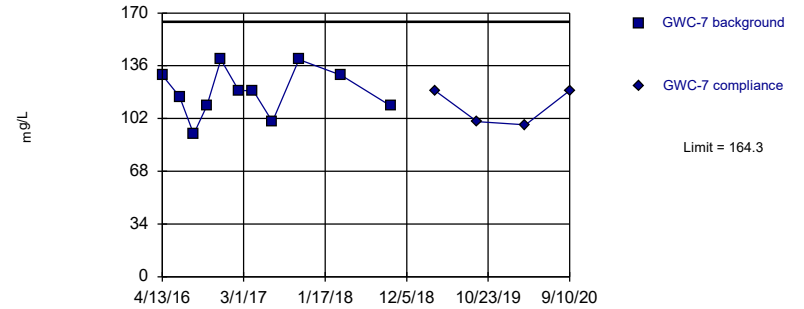
Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=149.3, Std. Dev.=13.98, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9442, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit  
Prediction Limit  
Intrawell Parametric

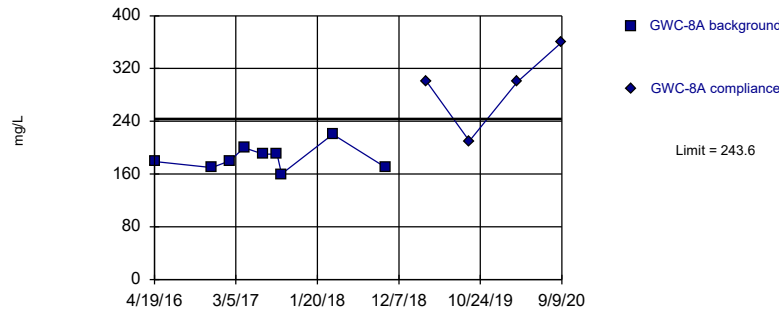


Background Data Summary: Mean=118.9, Std. Dev.=15.45, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Exceeds Limit  
Prediction Limit  
Intrawell Parametric

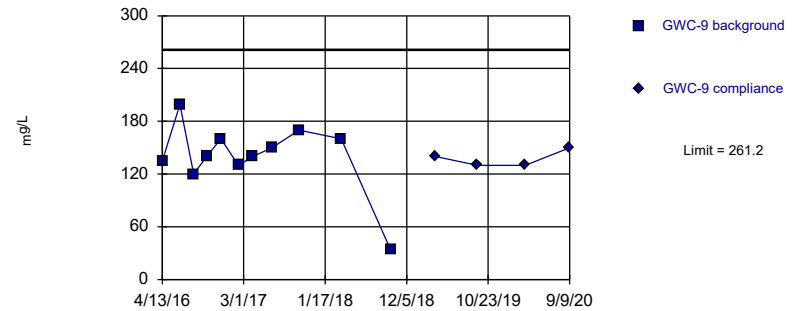


Background Data Summary: Mean=184.3, Std. Dev.=18.14, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.764. Kappa = 3.265 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limit  
Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=139.8, Std. Dev.=41.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8455, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:36 PM View: PL's Fed Intra Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE I.

## Federal Interwell Prediction Limit Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/19/2020, 4:46 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)	GWC-19	14	n/a	9/9/2020	15	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Calcium, total (mg/L)	GWC-8A	14	n/a	9/9/2020	64	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	6.3	n/a	9/9/2020	11	Yes	45	n/a	n/a	0	n/a	n/a	0.000894	NP (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	135.2	n/a	9/9/2020	360	Yes	45	65.09	32.06	4.444	None	No	0.0004426	Param 1 of 2



## Federal Interwell Prediction Limit Summary - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 11/19/2020, 4:46 PM

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-19</b>	<b>14</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>15</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>14</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>64</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	6.3	n/a	9/9/2020	4.3	No	45	n/a	n/a	0	n/a	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-18	6.3	n/a	9/9/2020	2.8	No	45	n/a	n/a	0	n/a	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-19	6.3	n/a	9/9/2020	2.4	No	45	n/a	n/a	0	n/a	n/a	n/a	0.000894	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7	6.3	n/a	9/10/2020	2.5	No	45	n/a	n/a	0	n/a	n/a	n/a	0.000894	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-14	6.52	5.27	9/9/2020	5.88	No	54	n/a	n/a	0	n/a	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	9/9/2020	6.27	No	54	n/a	n/a	0	n/a	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-3	6.52	5.27	9/10/2020	6.24	No	54	n/a	n/a	0	n/a	n/a	n/a	0.001265	NP (normality) 1 of 2
pH, Field (S.U.)	GWC-6	6.52	5.27	9/10/2020	6.43	No	54	n/a	n/a	0	n/a	n/a	n/a	0.001265	NP (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	9/9/2020	2.6	No	45	n/a	n/a	75.56	n/a	n/a	n/a	0.000894	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	3.1	n/a	9/10/2020	1.3	No	45	n/a	n/a	75.56	n/a	n/a	n/a	0.000894	NP (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	9/9/2020	1.2	No	45	n/a	n/a	75.56	n/a	n/a	n/a	0.000894	NP (NDs) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-8A</b>	<b>6.3</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>11</b>	<b>Yes</b>	<b>45</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000894</b>	NP (normality) 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWC-8A</b>	<b>135.2</b>	<b>n/a</b>	<b>9/9/2020</b>	<b>360</b>	<b>Yes</b>	<b>45</b>	<b>65.09</b>	<b>32.06</b>	<b>4.444</b>	<b>None</b>	<b>No</b>	<b>No</b>	<b>0.0004426</b>	Param 1 of 2

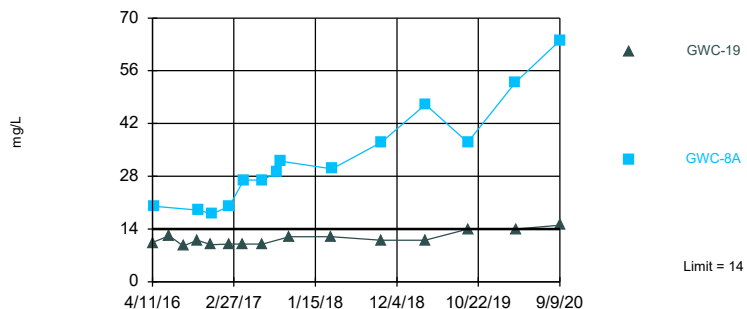
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Exceeds Limit: GWC-19, GWC-8A

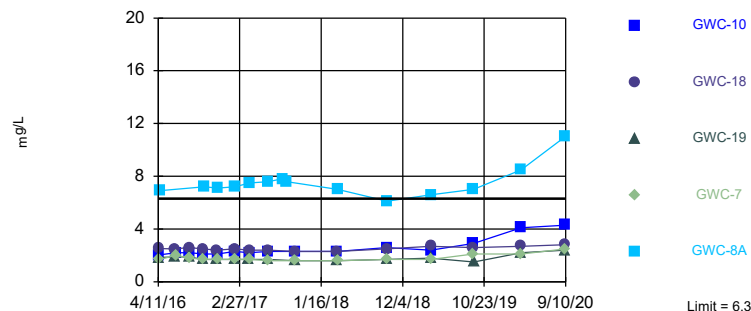
Prediction Limit  
Interwell Non-parametric



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 45 background values. Annual per-constituent alpha = 0.02995. Individual comparison alpha = 0.000894 (1 of 2). Comparing 2 points to limit. Assumes 15 future values.

Exceeds Limit: GWC-8A

Prediction Limit  
Interwell 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 45 background values. Annual per-constituent alpha = 0.02995. Individual comparison alpha = 0.000894 (1 of 2). Comparing 5 points to limit. Assumes 12 future values.

Constituent: Calcium, total Analysis Run 11/19/2020 4:43 PM View: PL's Fed Inter for Intra PL Exceedanc  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

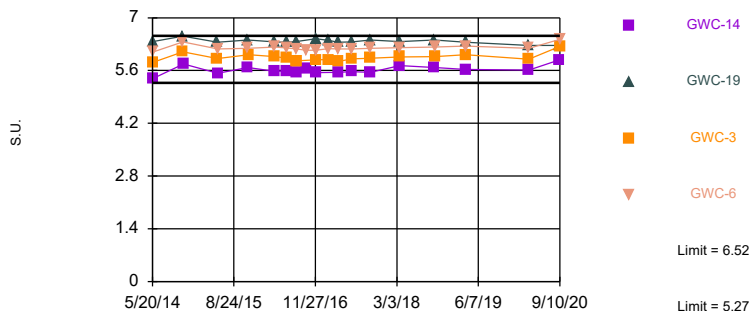
Constituent: Chloride, Total Analysis Run 11/19/2020 4:43 PM View: PL's Fed Inter for Intra PL Exceedan  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Within Limits

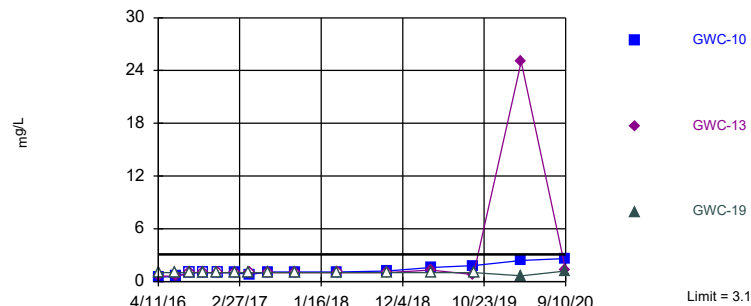
Prediction Limit  
Interwell Non-parametric



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. Limits are highest and lowest of 54 background values. Annual per-constituent alpha = 0.04255. Individual comparison alpha = 0.001265 (1 of 2). Comparing 4 points to limit. Assumes 13 future 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 45 background values. 75.56% NDs. Annual per-constituent alpha = 0.02995. Individual comparison alpha = 0.000894 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: pH, Field Analysis Run 11/19/2020 4:43 PM View: PL's Fed Inter for Intra PL Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Constituent: Sulfate as SO4 Analysis Run 11/19/2020 4:43 PM View: PL's Fed Inter for Intra PL Exceedan  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/19/2020 4:46 PM View: PL's Fed Inter for Intra PL Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-19	GWC-8A
4/6/2016	3.62	12.1	6.58		
4/11/2016				10.4	
4/19/2016					20
6/15/2016	4.5	11.8	6.9		
6/16/2016				12.2	
8/10/2016	3.8	10	5.5		
8/11/2016				9.5	
10/4/2016	5.3	14			
10/5/2016			6.8	11	
10/10/2016					19
11/29/2016		10	4.8	9.8	
11/30/2016	4.7				
12/1/2016					18
2/7/2017	3.8	12	7.8		
2/8/2017				10	
2/9/2017					20
4/4/2017	3.8	11	6.4		
4/5/2017				10	
4/7/2017					27
6/20/2017	4.1	11	7		
6/21/2017				10 (D)	27 (D)
8/15/2017					29
9/1/2017					32
10/4/2017	4.6				
10/5/2017		13	6.6	12	
3/20/2018	4.2 (D)	12	6.6	12	
3/22/2018					30
10/2/2018	4.2	11	5.8	11	
10/4/2018					37
3/26/2019	4	11	6.7	11	
3/27/2019					47
9/10/2019	4.8	12	7.5		
9/11/2019					37
9/12/2019				14	
3/18/2020	3.8	12	7.3		53
3/19/2020				14	
9/9/2020	4	11	7.3	15	64

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**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/19/2020 4:46 PM View: PL's Fed Inter for Intra PL Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-18	GWC-7	GWC-10	GWC-8A
4/6/2016	5.342	1.69	1.789					
4/11/2016				1.84	2.53			
4/13/2016						1.68 (D)	2.04 (D)	
4/19/2016								6.9
6/15/2016	5.2	1.9	2.1					
6/16/2016				1.9	2.5			
6/20/2016						2		
6/21/2016							2.2	
8/10/2016	5.5	1.7	1.8					
8/11/2016				1.9	2.6			
8/15/2016						1.8	2.2	
10/4/2016	5.4		1.7					
10/5/2016		1.6		1.7	2.5		2.1	
10/6/2016						1.7		
10/10/2016								7.2
11/29/2016		1.7	1.7	1.7	2.4			
11/30/2016	5.4							
12/1/2016						1.7	2.1	7.1
2/7/2017	5.1	1.6	1.6					
2/8/2017				1.7	2.5		2.3	
2/9/2017						1.7		7.2
4/4/2017	5.1	1.5	1.6					
4/5/2017				1.7				
4/6/2017					2.4		2.2	
4/7/2017						1.7		7.5
6/20/2017	5.2	1.5	1.6					
6/21/2017				1.7	2.4		2.3	7.6
6/22/2017						1.6		
8/15/2017								7.8
9/1/2017								7.6
10/4/2017	5.2							
10/5/2017		1.5	1.5	1.6	2.3		2.3	
10/6/2017						1.6		
3/20/2018	5.6 (D)	1.4	1.5	1.6	2.3			
3/21/2018							2.3	
3/22/2018						1.6		7
10/2/2018	6.3	1.5	1.6	1.7	2.5		2.6	
10/4/2018						1.7		6.1
3/26/2019	5.5	1.3	1.5	1.8	2.7			
3/27/2019						1.7	2.4	6.6
9/10/2019	5.2	1.3	1.4					
9/11/2019					2.6	2.1	2.9	7
9/12/2019				1.5				
3/18/2020	5.4	2	1.7		2.7		4.1	8.5
3/19/2020				2.2		2.1		
9/9/2020	6.1	1.3	1.6	2.4	2.8		4.3	11
9/10/2020						2.5		

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**Prediction Limit**

Constituent: pH, Field (S.U.) Analysis Run 11/19/2020 4:46 PM View: PL's Fed Inter for Intra PL Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-14	GWC-6	GWC-19	GWC-3
5/20/2014	5.27	5.68	6.18	5.38			
5/21/2014					6.09		
5/22/2014						6.37	5.82
11/8/2014		6.04	6.52			6.51	
11/9/2014					6.36		6.1
11/12/2014	5.7			5.77			
5/22/2015	5.52	5.87	6.3			6.35	5.92
5/24/2015				5.53	6.17		
11/9/2015		5.97					
11/10/2015						6.41	
11/11/2015	5.63		6.36	5.68	6.19		
11/16/2015							6.02
4/6/2016	5.5 (D)	5.937 (D)	6.46 (D)				
4/11/2016						6.36 (D)	
4/12/2016					6.22		5.97 (D)
4/13/2016				5.58 (D)			
6/15/2016	5.52	5.96	6.39				
6/16/2016						6.35	
6/20/2016					6.2		5.93
6/21/2016				5.59			
8/10/2016	5.5	5.94	6.39				
8/11/2016						6.37	
8/12/2016					6.17		5.86
8/15/2016				5.56			
8/16/2016							5.86
10/4/2016	5.56		6.4	5.66			
10/5/2016		5.86				5.78 (O)	5.1 (O)
10/6/2016					6.14		
11/29/2016		5.82	6.36			6.44	
11/30/2016	5.46				6.14		5.88
12/1/2016				5.54			
2/7/2017	5.28 (O)	6.15	6.45	5.42 (O)			
2/8/2017						6.4	5.89
2/9/2017					6.18		
4/1/2017	5.48						
4/4/2017	5.48	6	6.37				
4/5/2017						6.35	
4/6/2017				5.55	6.17		5.84
6/20/2017	5.44	6.34	6.4	5.57			
6/21/2017					6.17	6.36	5.91
10/4/2017	5.44						
10/5/2017		5.93	6.42	5.55		6.41	5.93
10/6/2017					6.19		
3/20/2018	5.48	5.97	6.36	5.73		6.37	
3/21/2018					6.21		5.96
10/2/2018	5.49	6.03	6.38	5.68		6.41	
10/3/2018					6.22		5.97
3/26/2019	5.41	6.12	6.42	5.63	6.25	6.35	6.02
3/18/2020	5.42	6.03	6.29	5.61	6.19		5.9
3/19/2020						6.27	
9/9/2020	5.71	6.05	6.33	5.88		6.27	
9/10/2020					6.43		6.24

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**Prediction Limit**

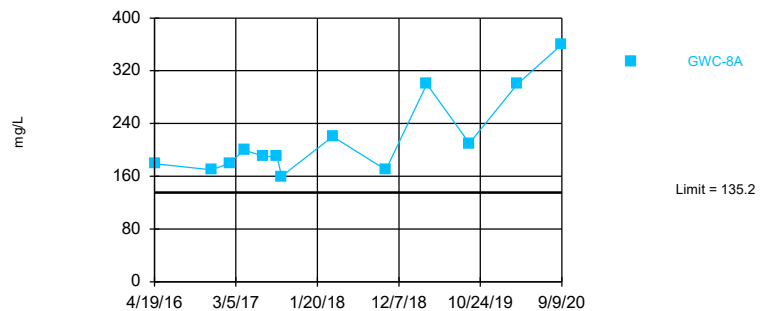
Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/19/2020 4:46 PM View: PL's Fed Inter for Intra PL Exceedances  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-10	GWC-13
4/6/2016	0.799 (J)	<1	<1			
4/11/2016				<1		
4/13/2016					0.51 (JD)	0.646 (JD)
6/15/2016	<1	<1	<1			
6/16/2016				<1		
6/21/2016					0.58 (J)	0.57 (J)
8/10/2016	<1	<1	<1			
8/11/2016				<1		
8/15/2016					<1	<1
10/4/2016	<1		<1			
10/5/2016		<1		<1	<1	
10/7/2016						<1
11/29/2016		<1	<1	<1		
11/30/2016	<1					
12/1/2016					<1	<1
2/7/2017	0.8 (J)	<1	<1			
2/8/2017				<1	1	
2/9/2017						<1
4/4/2017	<1	<1	<1			
4/5/2017				<1		
4/6/2017					0.81 (J)	<1
6/20/2017	<1	<1	<1			
6/21/2017				<1	1.1	
6/22/2017						<1
10/4/2017	<1					
10/5/2017		<1	<1	<1	1.1	
10/6/2017						<1
3/20/2018	1.2	<1	<1	<1		
3/21/2018					1.1	
3/22/2018						<1
10/2/2018	<1	<1	<1	<1	1.2	
10/3/2018						<1
3/26/2019	2.1	0.58 (J)	<1	<1		1.3
3/27/2019					1.6	
9/10/2019	0.65 (J)	0.44 (J)	<1			
9/11/2019					1.8	0.81 (J)
9/12/2019				<1		
3/18/2020	3.1	0.51 (J)	0.67 (J)		2.4	25
3/19/2020				0.64 (J)		
9/9/2020	1.6	<1	<1	1.2	2.6	
9/10/2020						1.3

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG

Exceeds Limit: GWC-8A

Prediction Limit  
Interwell Parametric



Background Data Summary: Mean=65.09, Std. Dev.=32.06, n=45, 4.444% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.926. Kappa = 2.186 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0004426. Assumes 16 future values.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/19/2020 4:43 PM View: PL's Fed Inter for Intra  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/19/2020 4:46 PM View: PL's Fed Inter for Intra PL Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-8A
4/6/2016	38	84	61	
4/19/2016				179
6/15/2016	<10	139	113	
8/10/2016	56	80	74	
10/4/2016	48	62		
10/5/2016			44	
10/10/2016				110 (O)
11/29/2016		110	58	
11/30/2016	46			
12/1/2016				170
2/7/2017	18	70	4 (J)	
2/9/2017				180
4/4/2017	32	120	78	
4/7/2017				200
6/20/2017	38	76	50	
6/21/2017				190
8/15/2017				190
9/1/2017				160
10/4/2017	42			
10/5/2017		110	64	
3/20/2018	20 (JX)	110	90	
3/22/2018				220
10/2/2018	48	110	90	
10/17/2018				170
3/26/2019	45	100	82	
3/27/2019				300
9/10/2019	42	75	51	
9/11/2019				210
3/18/2020	43	93	75	300
9/9/2020	<10	66	64	360



FIGURE J.

## Federal Trend Test Summary - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/21/2020, 7:50 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>
Calcium, total (mg/L)	GWC-8A	10.01	78	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.09323	-57	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.107	-58	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.2317	83	53	Yes	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.369	88	53	Yes	15	20	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-13	0.05689	62	53	Yes	15	60	n/a	n/a	0.01	NP

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## Federal Trend Test Summary - All Results

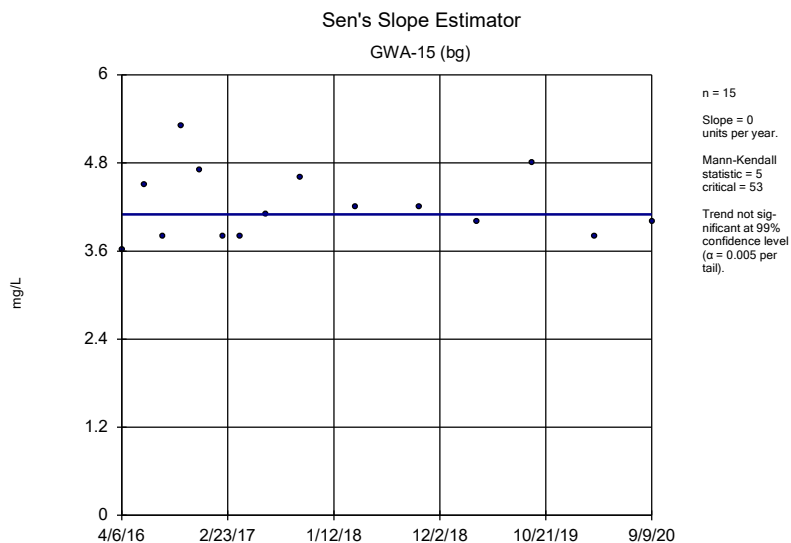
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 11/21/2020, 7:50 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-15 (bg)	0	5	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	-4	-53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.1519	29	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-19	0.8249	51	53	No	15	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-8A</b>	<b>10.01</b>	<b>78</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.05321	24	53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-16 (bg)</b>	<b>-0.09323</b>	<b>-57</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>
<b>Chloride, Total (mg/L)</b>	<b>GWA-17 (bg)</b>	<b>-0.107</b>	<b>-58</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>
<b>Chloride, Total (mg/L)</b>	<b>GWC-10</b>	<b>0.2317</b>	<b>83</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)	GWC-18	0.03088	17	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	-10	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0	18	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-8A	0.3699	20	48	No	14	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-14	0.02078	34	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01335	-36	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-3	0.01749	29	68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-6	0.01527	46	68	No	18	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0	23	53	No	15	53.33	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-12	-53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-31	-53	No	15	80	n/a	n/a	0.01	NP
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-10</b>	<b>0.369</b>	<b>88</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>20</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate as SO4 (mg/L)</b>	<b>GWC-13</b>	<b>0.05689</b>	<b>62</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate as SO4 (mg/L)	GWC-19	0	1	53	No	15	86.67	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.4314	-5	-53	No	15	13.33	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-3.427	-17	-53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	1.587	9	53	No	15	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	34.94	41	43	No	13	0	n/a	n/a	0.01	NP

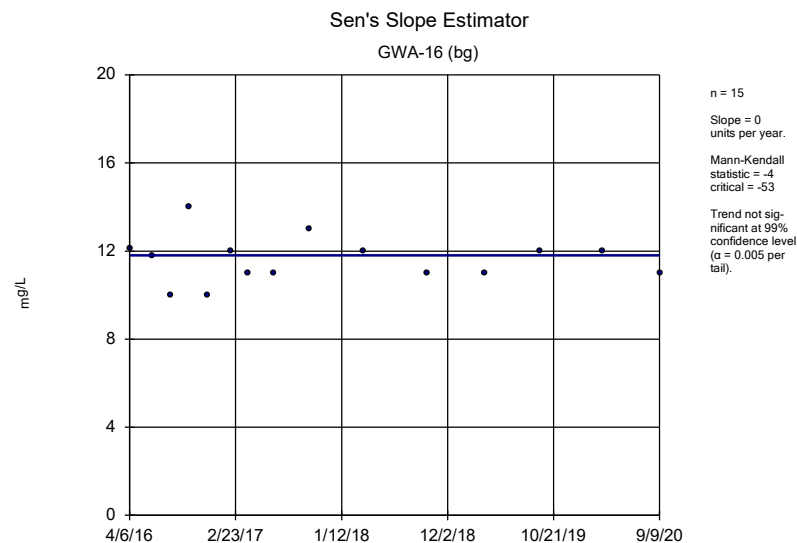
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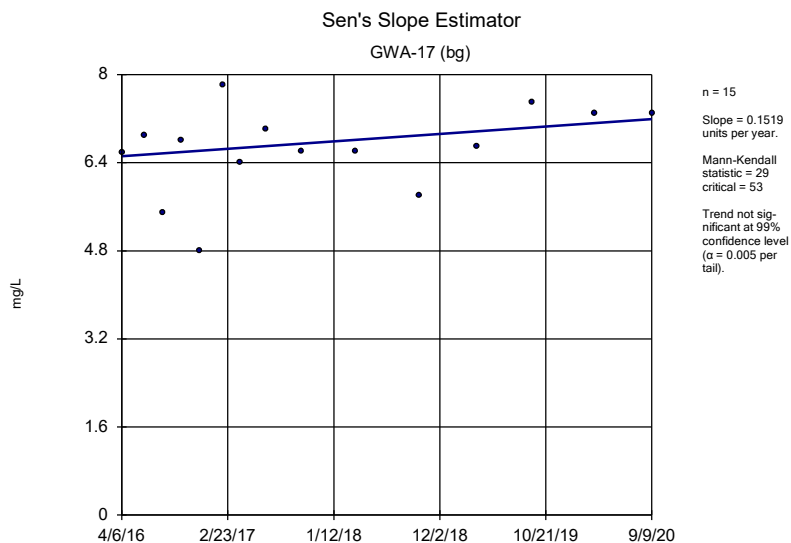
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 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR



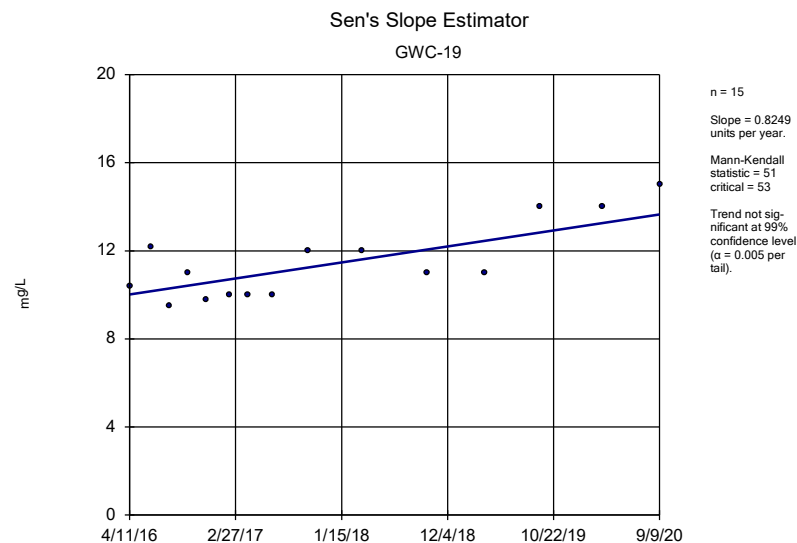
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 Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR

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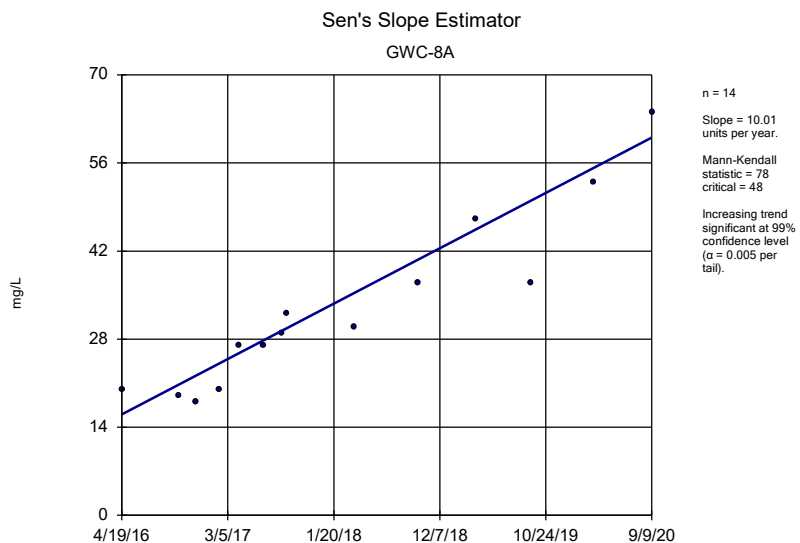


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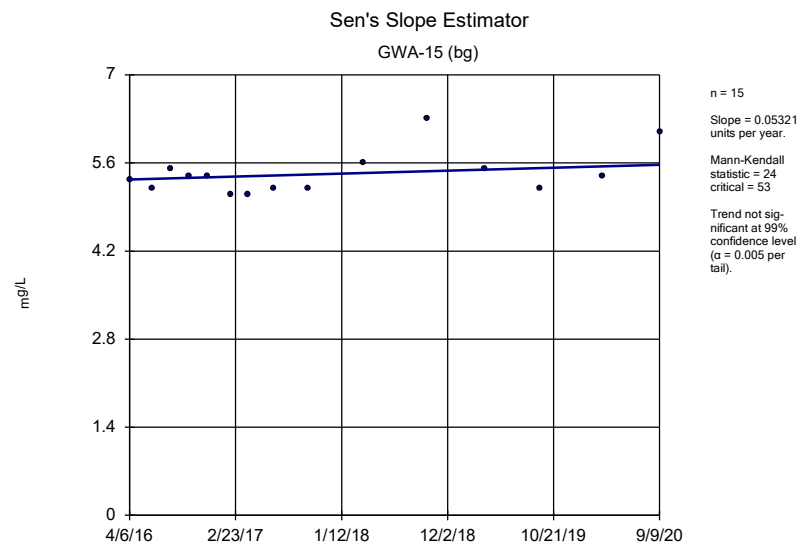
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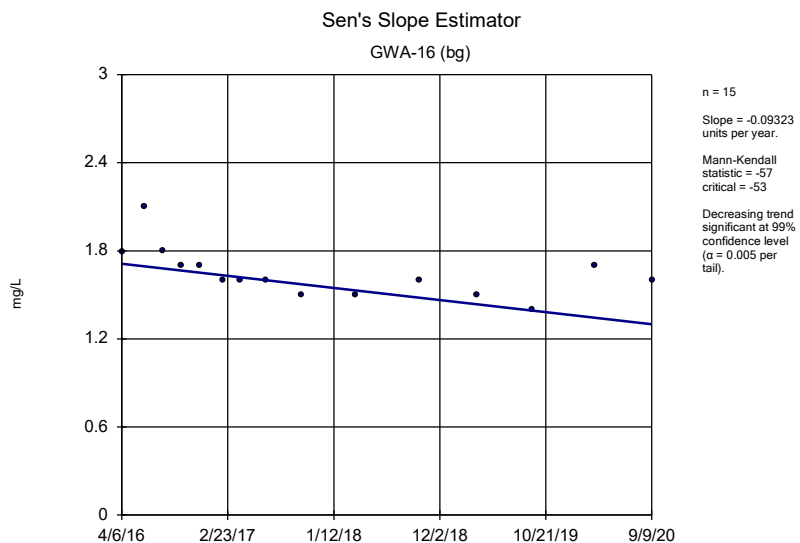
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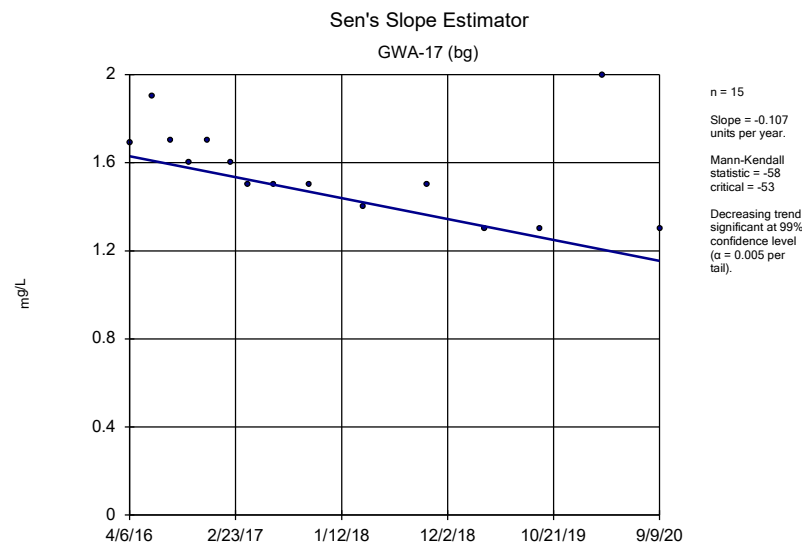
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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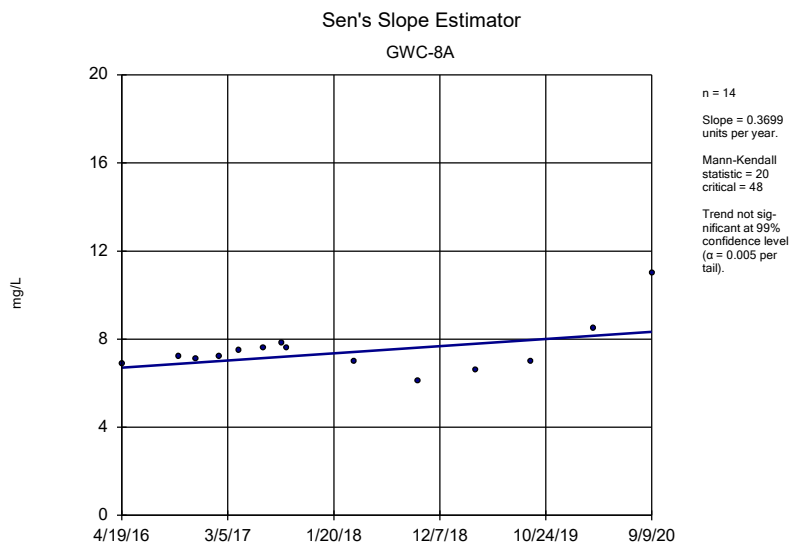
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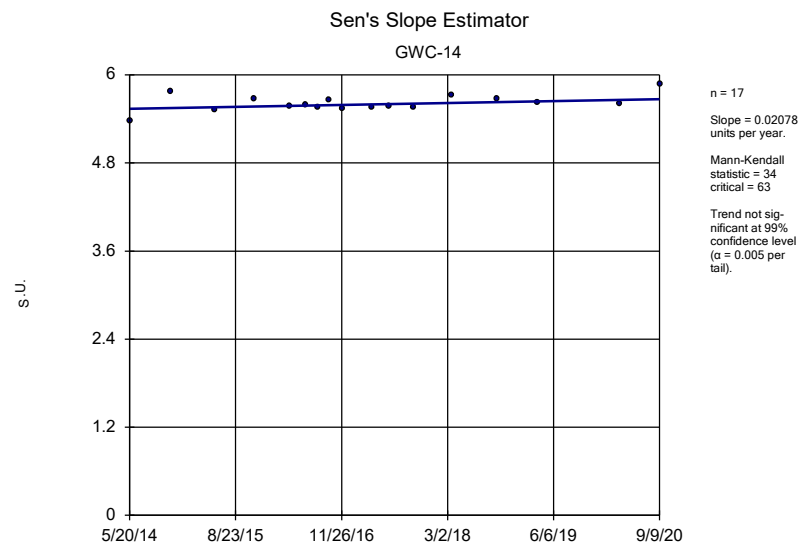
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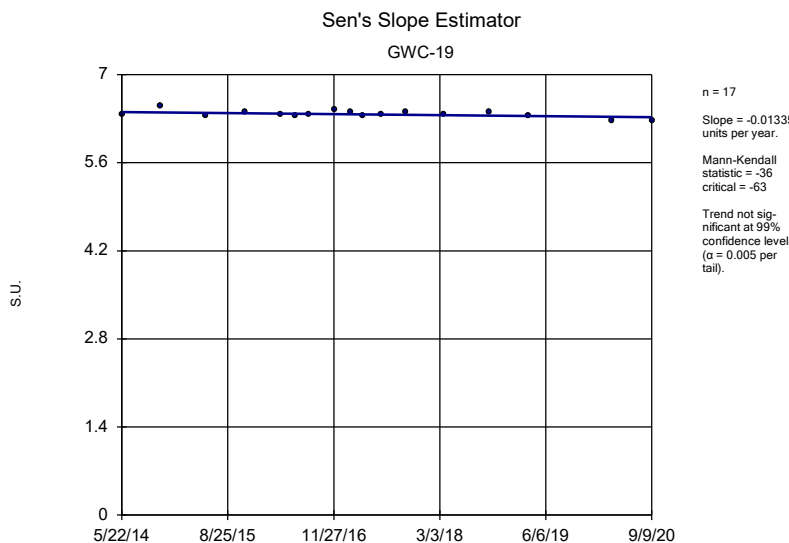


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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



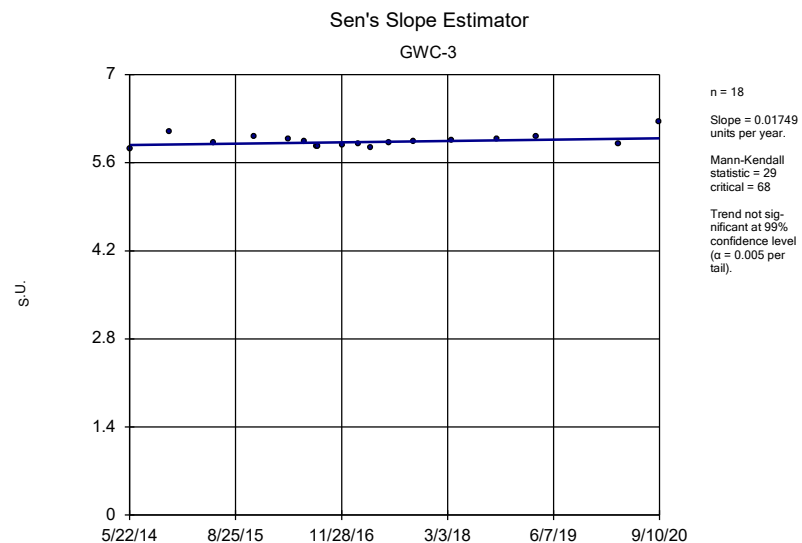
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Constituent: pH, Field Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceedances  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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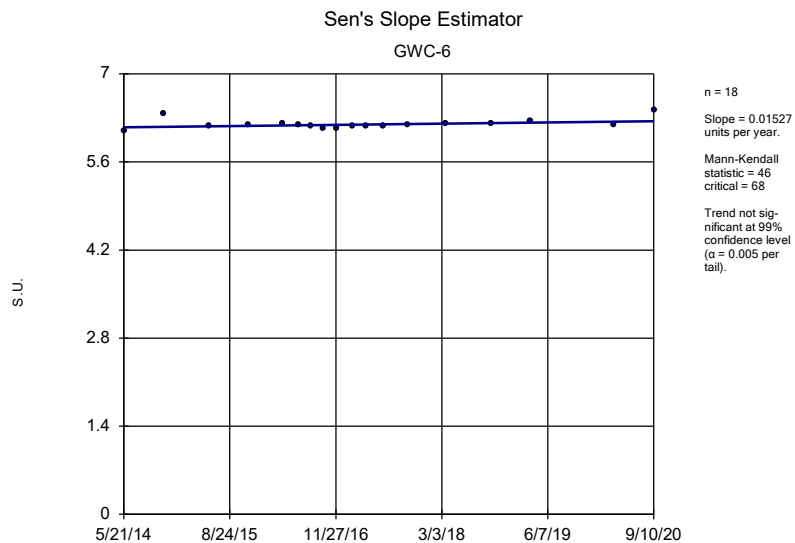


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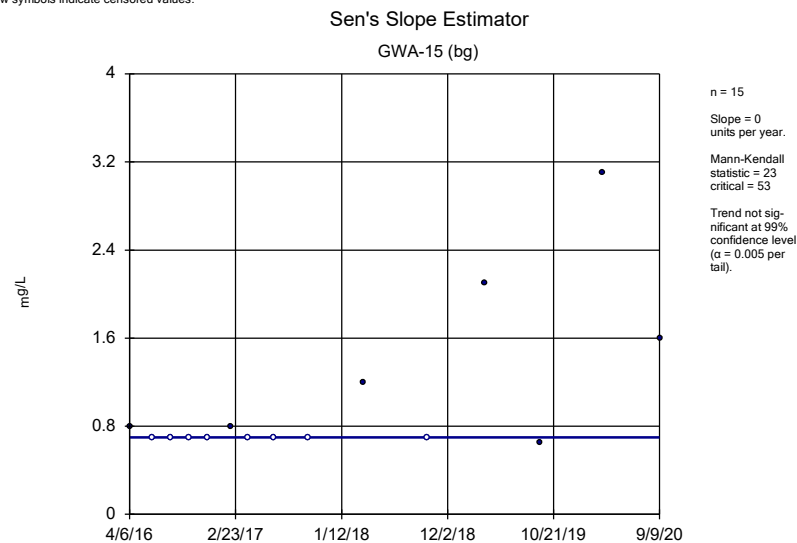
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Hollow symbols indicate censored values.

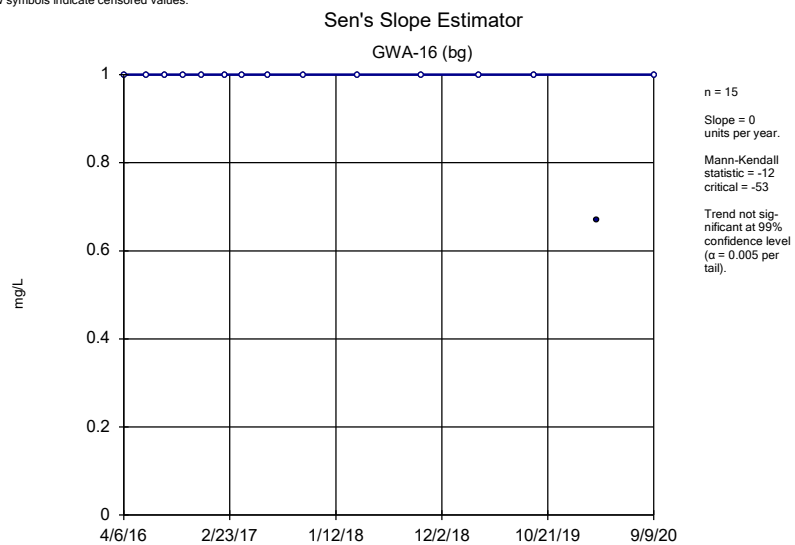


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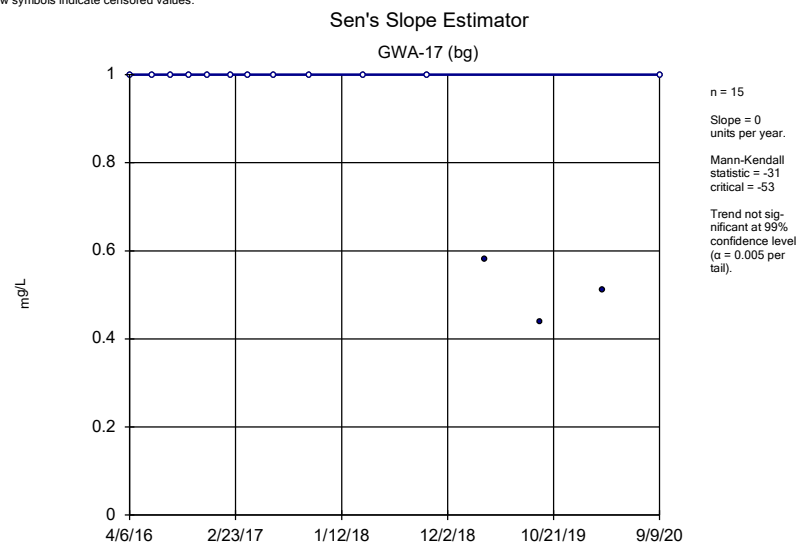
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.



Constituent: Sulfate as SO4 Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceeda  
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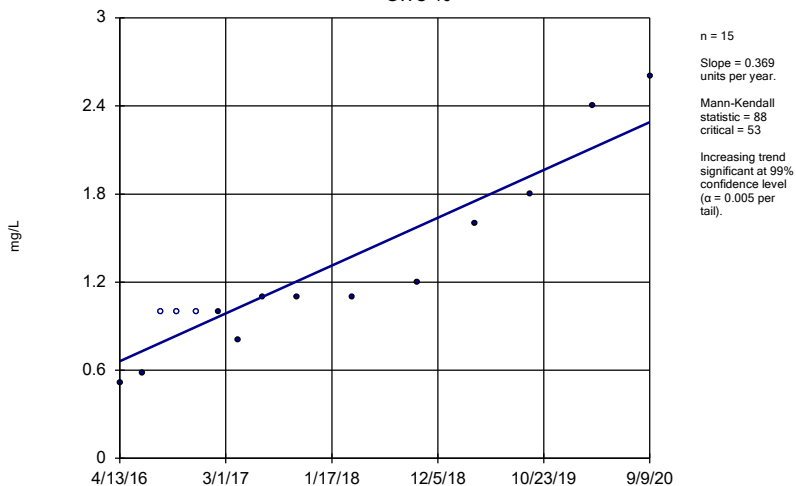
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



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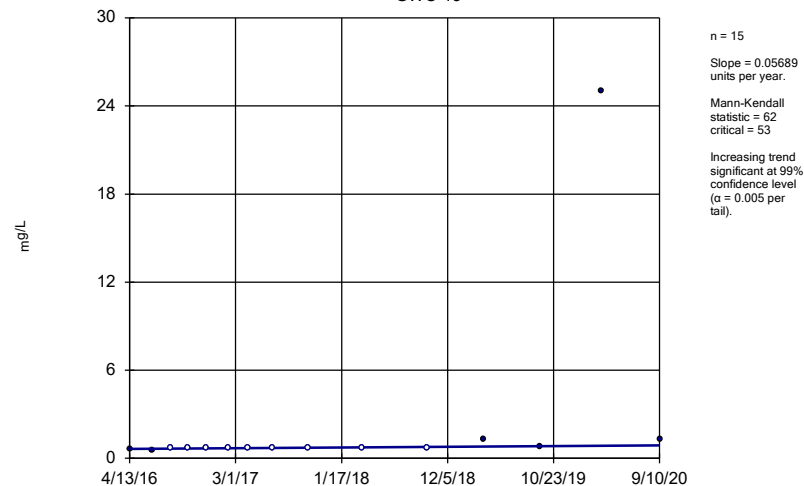
Sen's Slope Estimator  
GWC-10



Constituent: Sulfate as SO4 Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceeda  
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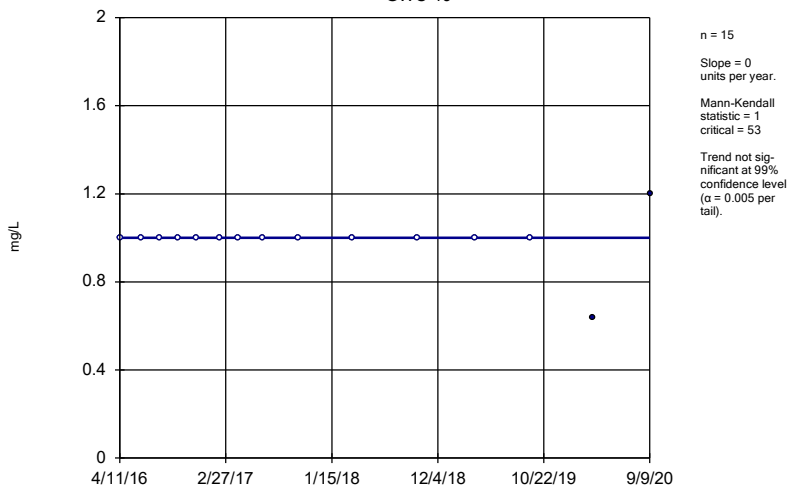
Sen's Slope Estimator  
GWC-13



Constituent: Sulfate as SO4 Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceeda  
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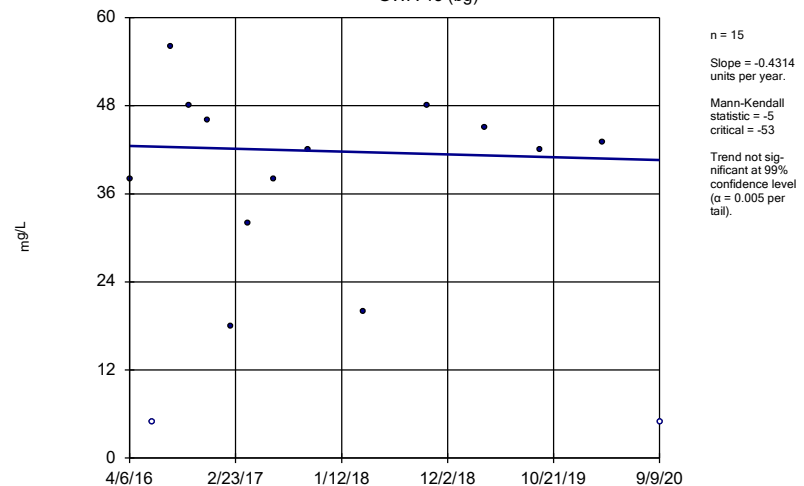
Sen's Slope Estimator  
GWC-19



Constituent: Sulfate as SO4 Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceeda  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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Hollow symbols indicate censored values.

Sen's Slope Estimator  
GWA-15 (bg)

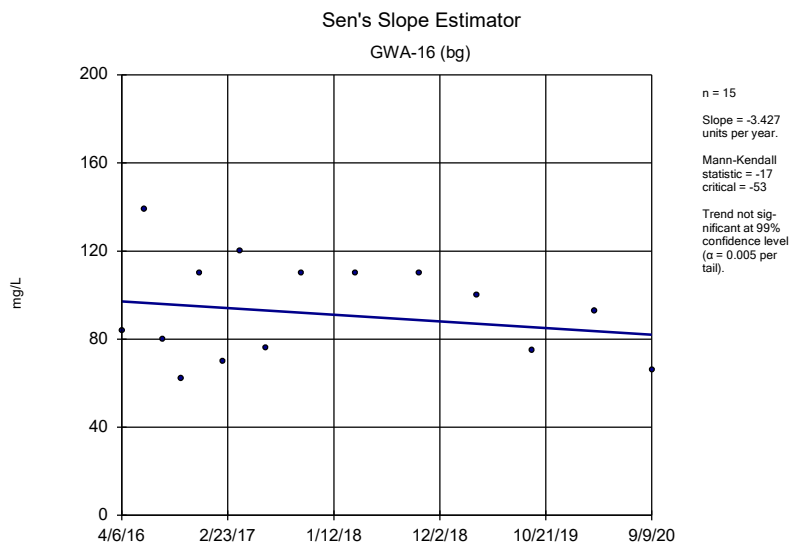


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests for PL Exceeda  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

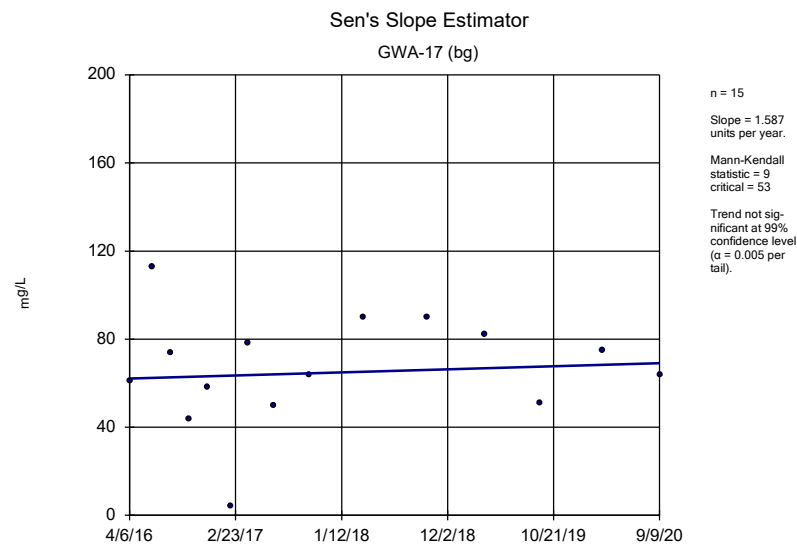
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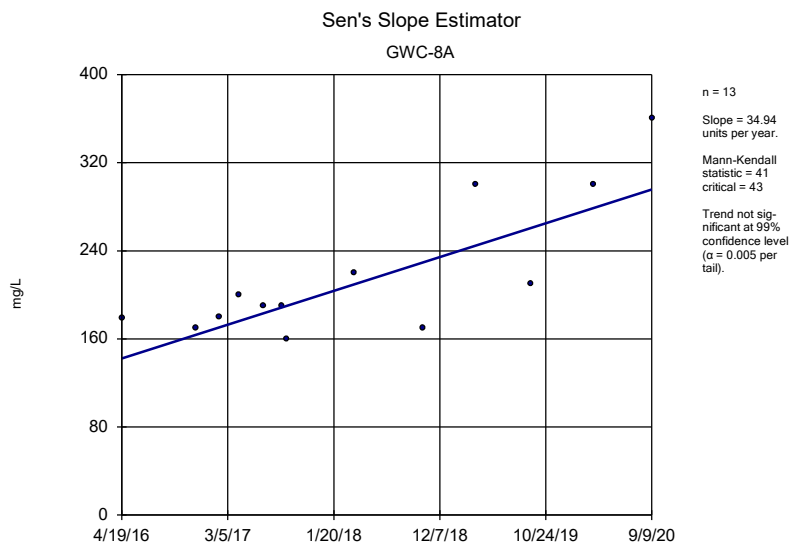


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests fo  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests fo  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/21/2020 7:48 PM View: Federal Trend Tests fo  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

## GROUNDWATER STATS CONSULTING



January 19, 2021

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 September 2020

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the 2<sup>nd</sup> Semi-Annual Groundwater Monitoring and Statistical Analysis summary of groundwater quality through September 2020 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. 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 nondetects. 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% nondetect 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 there are 100% nondetects 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 nondetects, 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.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

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 all resamples also exceed 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.

## **Background Screening Summary – Georgia EPD – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots are 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 nondetects 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 nondetects. 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 deselected 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 Screening Summary – 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.

### **Statistical Analysis of Georgia EPD Constituents – September 2020**

Based on the August 2019 background screening described above, intrawell limits were used for all Georgia EPD constituents in this analysis. In cases where intrawell analyses are recommended and downgradient average concentrations are higher than observed upgradient 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.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through October 2018 within each well for constituents with detections. The September 2020 compliance samples were compared to these intrawell background limits. As previously discussed, no statistical analyses were included for the following constituents that contain 100% nondetects in downgradient wells: antimony and silver.

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 D). Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-45 (upgradient), GWA-46 (upgradient), GWC-29, and GWC-52
- Chromium: GWC-52
- Copper: GWA-21 (upgradient)
- Zinc: GWA-45 (upgradient)

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances for barium in downgradient wells GWC-29 and GWC-52, and for chromium in downgradient well GWC-52 (Figure E). Due to an increasing trend in the most recent data for barium at upgradient well GWA-45, the last four 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 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 and chromium were within the interwell prediction limits of 0.057 mg/L and 0.045 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

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-21 (upgradient), GWA-45 (upgradient), GWA-46 (upgradient), GWC-29, and GWC-52
- Chromium: GWA-22 (upgradient) and GWC-52

Decreasing:

- Barium: GWA-22 (upgradient)
- Chromium: GWA-21 (upgradient)

### **Statistical Analysis of Appendix III Parameters – September 2020**

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 through October 2018. The September 2020 compliance data were compared to those 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-29 and GWC-52
- Chloride: GWA-45 (upgradient), GWA-46 (upgradient), and GWC-51
- pH: GWA-47 (upgradient) and GWC-29
- Sulfate: GWC-51 and GWC-52
- TDS: GWA-21 (upgradient), GWA-45 (upgradient), and GWA-49 (upgradient)

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances for calcium in downgradient wells GWC-29 and GWC-52, for chloride in downgradient well GWC-51, for pH in downgradient well GWC-29, and for sulfate downgradient wells GWC-51 and GWC-52 (Figure H). The reported measurements of calcium, chloride, pH, and sulfate were within the interwell prediction limits of 45 mg/L, 12 mg/L, 7 and 5.52 (upper and lower limits for pH), and 170 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

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. No statistically significant decreasing trends were identified, but statistically significant increasing trends were identified for the following well/constituent pairs:

Increasing:

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient) and GWC-51
- 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

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**100% Non-Detects**

Analysis Run 11/12/2020 3:56 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, 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

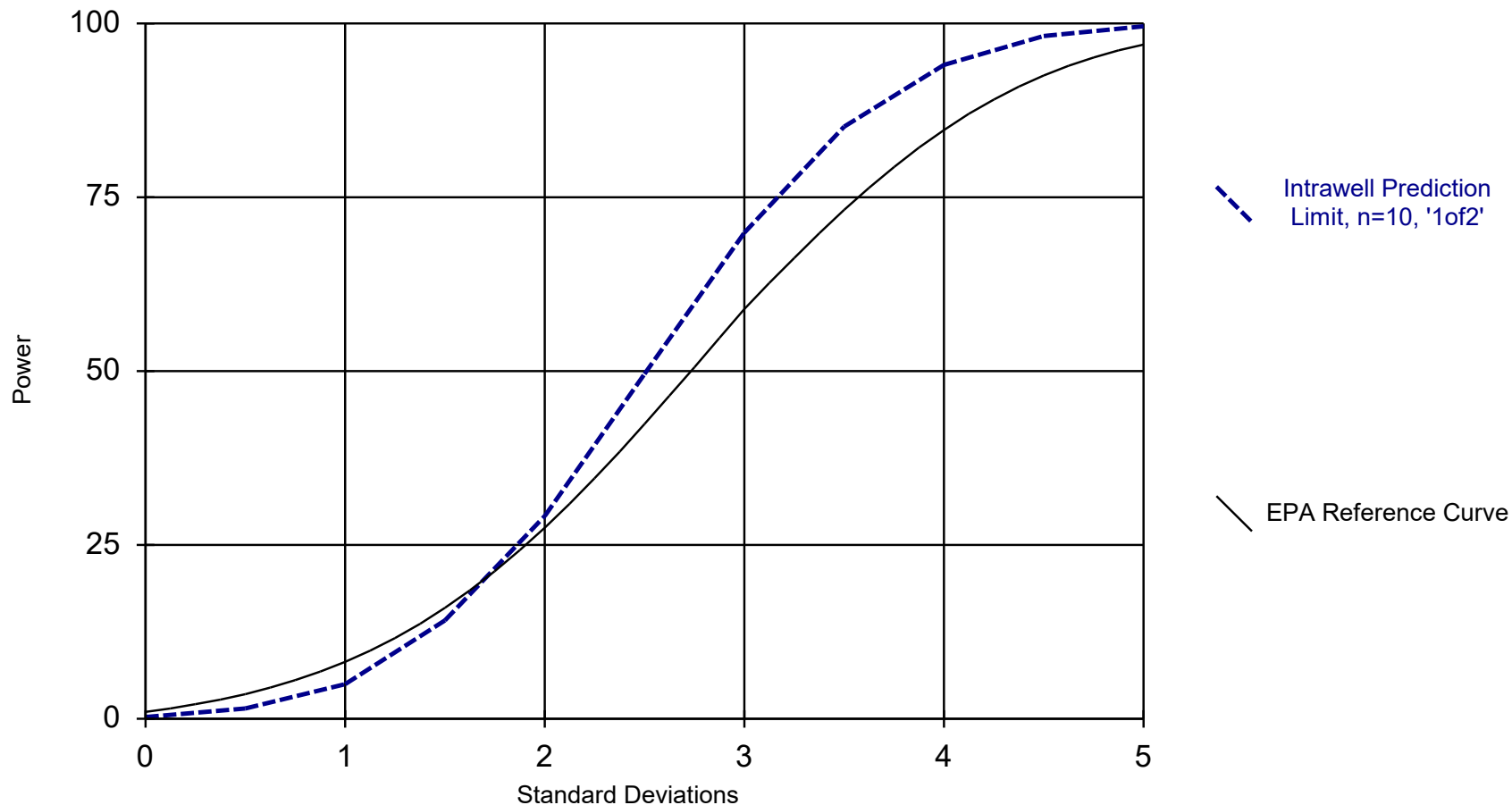
Silver, Total (mg/L)

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

### Appendix III Power Curve

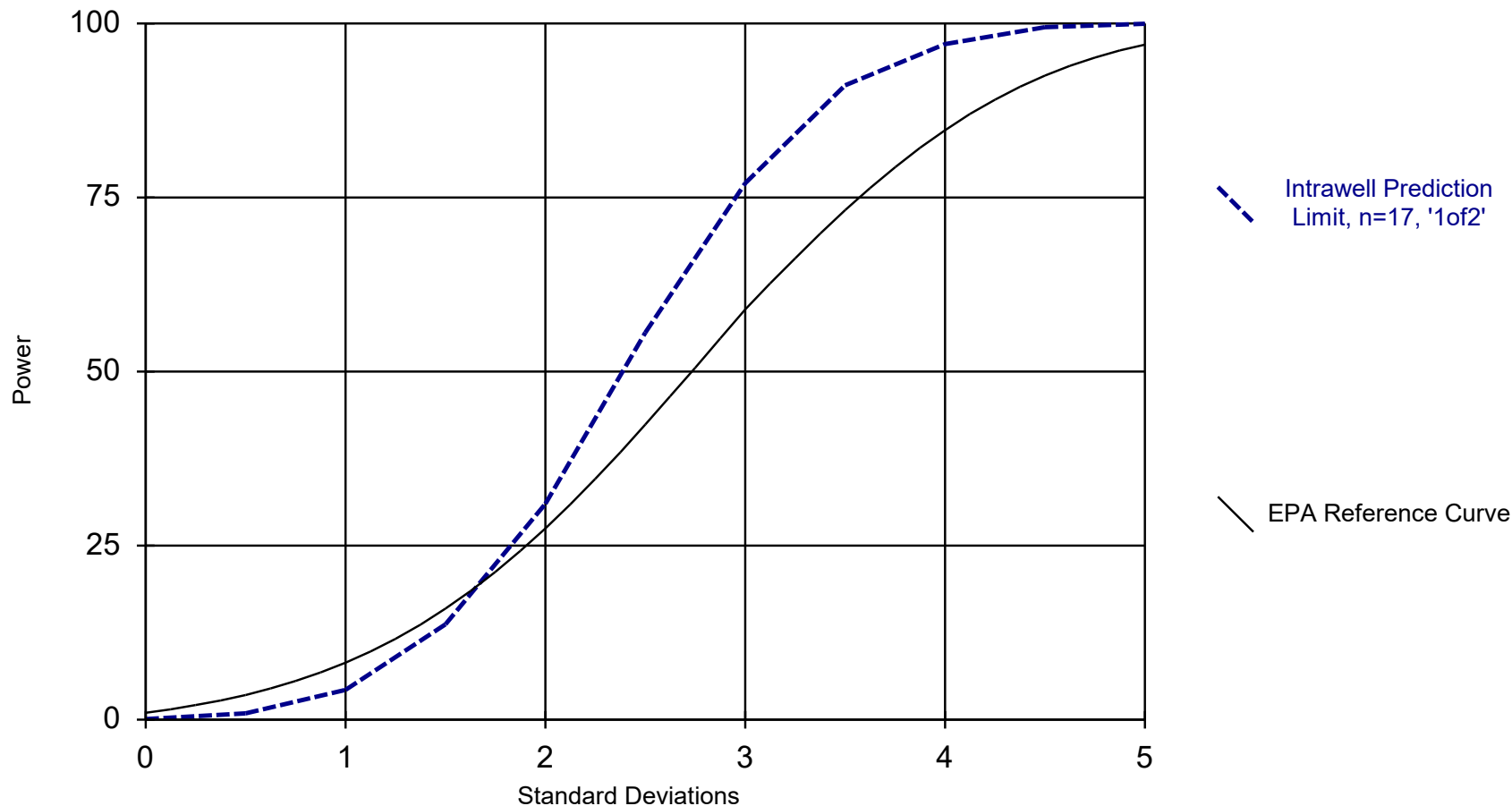


Kappa = 2.478, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 11/16/2020 9:23 AM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### State Parameter Power Curve



Kappa = 2.367, based on 5 compliance wells and 14 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 11/16/2020 9:22 AM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR



## Intrawell Prediction Limits Summary (State) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 4:07 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	9/11/2020	0.15	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.02163	n/a	9/11/2020	0.022	Yes	23	0.01903	0.001165	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.0183	n/a	9/10/2020	0.02	Yes	24	0.01557	0.001235	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.0143	n/a	9/11/2020	0.017	Yes	24	0.0001239	0.000036470		None	x^2	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	9/11/2020	0.028	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Copper, Total (mg/L)	GWA-21	0.002	n/a	9/10/2020	0.0023	Yes	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0065	n/a	9/11/2020	0.0098	Yes	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

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## Intrawell Prediction Limits Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	9/11/2020	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02931	n/a	9/10/2020	0.023	No	23	0.02234	0.003125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.03053	n/a	9/10/2020	0.022	No	24	0.02464	0.002664	0	None	No	0.0007523	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05701</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.15</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>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.02163</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.022</b>	<b>Yes</b>	<b>23</b>	<b>0.01903</b>	<b>0.001165</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWA-47	0.04925	n/a	9/11/2020	0.026	No	23	0.3093	0.02571	0	None	x^(1/3)	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	9/11/2020	0.013	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02221	n/a	9/10/2020	0.02	No	24	0.01917	0.001375	0	None	No	0.0007523	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0183</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.02</b>	<b>Yes</b>	<b>24</b>	<b>0.01557</b>	<b>0.001235</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-50	0.01413	n/a	9/10/2020	0.013	No	24	0.01153	0.001179	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.013	n/a	9/11/2020	0.01	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0143</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.017</b>	<b>Yes</b>	<b>24</b>	<b>0.0001239</b>	<b>0.000036470</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>	
Barium, Total (mg/L)	GWC-53	0.1175	n/a	9/11/2020	0.044	No	24	-2.78	0.2886	8.333	None	ln(x)	0.0007523	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	9/10/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.009003	n/a	9/10/2020	0.0019J	No	24	0.05569	0.01773	16.67	Kaplan-Meier	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01119	n/a	9/10/2020	0.0077	No	24	0.006342	0.002193	8.333	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.008101	n/a	9/11/2020	0.0042	No	24	-5.349	0.2412	4.167	None	ln(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	9/11/2020	0.0081	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	9/11/2020	0.0053	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009446	n/a	9/10/2020	0.0063	No	24	0.07821	0.008586	4.167	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	n/a	9/10/2020	0.0047	No	24	0.004458	0.0008549	8.333	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005917	n/a	9/11/2020	0.0041	No	24	0.003479	0.001103	12.5	None	No	0.0007523	Param Intra 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01533</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.028</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>	<b>Param Intra 1 of 2</b>
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	9/11/2020	0.0023	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	9/10/2020	0.00019J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	9/10/2020	0.00014J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01271	n/a	9/11/2020	0.0035	No	24	-5.768	0.6346	29.17	Kaplan-Meier	ln(x)	0.0007523	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	9/11/2020	0.0025ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	n/a	9/11/2020	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	9/10/2020	0.0002J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01696	n/a	9/11/2020	0.002J	No	24	0.008567	0.003795	8.333	None	No	0.0007523	Param Intra 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.002</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.0023</b>	<b>Yes</b>	<b>18</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005373</b>	<b>NP Intra (NDs) 1 of 2</b>
Copper, Total (mg/L)	GWA-22	0.003	n/a	9/10/2020	0.002ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	n/a	9/11/2020	0.002	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	n/a	9/11/2020	0.002ND	No	18	n/a	n/a	27.78	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	n/a	9/11/2020	0.002ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	n/a	9/11/2020	0.0013J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	n/a	9/10/2020	0.0022	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	n/a	9/11/2020	0.0016	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	66.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	n/a	9/11/2020	0.0015	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-52	0.006	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

## Intrawell Prediction Limits Summary (State) - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/12/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	9/10/2020	0.00095J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	9/11/2020	0.001	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	9/11/2020	0.001ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	9/11/2020	0.001ND	No	19	n/a	n/a	57.89	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	9/11/2020	0.001ND	No	19	n/a	n/a	52.63	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	9/10/2020	0.00062J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	9/10/2020	0.0035	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	9/10/2020	0.0017	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.002	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008367	n/a	9/11/2020	0.0074	No	19	0.006747	0.0007019	10.53	None	No	0.0007523	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	9/11/2020	0.005ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	9/11/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0028	n/a	9/10/2020	0.0027	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	9/10/2020	0.0025	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	9/11/2020	0.0015	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.005883	n/a	9/11/2020	0.0026	No	18	0.003403	0.001061	22.22	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.03375	n/a	9/11/2020	0.007	No	19	0.1031	0.03492	10.53	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02239	n/a	9/11/2020	0.017	No	18	0.01494	0.003186	5.556	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.0226	n/a	9/10/2020	0.018	No	19	0.01838	0.00183	0	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.006829	n/a	9/10/2020	0.0049	No	19	0.00459	0.0009702	10.53	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.0044	n/a	9/10/2020	0.0026	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.006553	n/a	9/11/2020	0.0042	No	19	0.004314	0.0009703	26.32	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01405	n/a	9/11/2020	0.0099	No	19	0.01127	0.001205	10.53	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	9/11/2020	0.001ND	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	9/10/2020	0.0048J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.005	n/a	9/10/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
<b>Zinc, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.0065</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.0098</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>94.74</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	9/11/2020	0.0038J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	9/11/2020	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	9/10/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.005	n/a	9/10/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.005	n/a	9/10/2020	0.005ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0065	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02007	n/a	9/11/2020	0.014	No	18	0.01363	0.002756	0	None	No	0.0007523	Param Intra 1 of 2

## State Parameter Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/18/2020, 4:50 PM

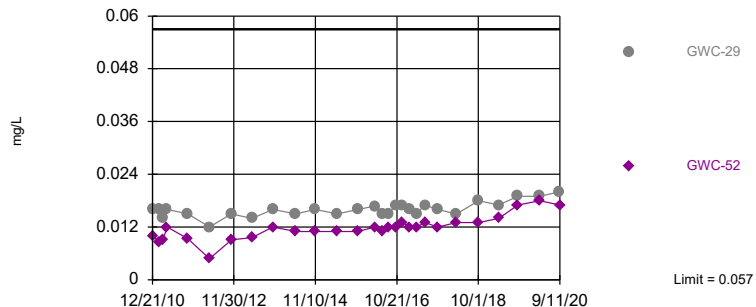
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-29	0.057	n/a	9/10/2020	0.02	No	188	n/a	n/a	0	n/a	n/a	0.00005606	NP (normality) 1 of 2
Barium, Total (mg/L)	GWC-52	0.057	n/a	9/11/2020	0.017	No	188	n/a	n/a	0	n/a	n/a	0.00005606	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	9/11/2020	0.028	No	194	n/a	n/a	19.59	n/a	n/a	0.00005263	NP (normality) 1 of 2

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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 188 background values. Annual per-constituent alpha = 0.0005605. Individual comparison alpha = 0.00005606 (1 of 2). Comparing 2 points to limit. Assumes 3 future values.

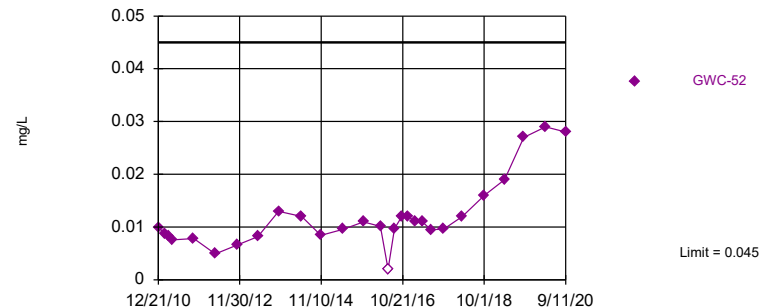
Constituent: Barium, Total Analysis Run 11/18/2020 4:49 PM View: State Parameters - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

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. 19.59% NDs. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Assumes 4 future values.

Constituent: Chromium, Total Analysis Run 11/18/2020 4:49 PM View: State Parameters - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

## State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/16/2020, 8:57 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0005653	128	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004275	-145	-131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006124	304	139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003163	142	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0003514	172	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0006576	273	131	Yes	28	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0005359	-182	-131	Yes	28	14.29	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0005891	208	131	Yes	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.0009831	207	131	Yes	28	3.571	n/a	n/a	0.01	NP

## State Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/16/2020, 8:57 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>
<b>Barium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.0005653</b>	<b>128</b>	<b>124</b>	<b>Yes</b>	<b>27</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-22 (bg)</b>	<b>-0.0004275</b>	<b>-145</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>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006124</b>	<b>304</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-46 (bg)</b>	<b>0.0003163</b>	<b>142</b>	<b>124</b>	<b>Yes</b>	<b>27</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)	-0.001237	-105	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-35	-118	No	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-35	-131	No	28	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0003514</b>	<b>172</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>
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0006576</b>	<b>273</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>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0005359</b>	<b>-182</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>14.29</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>0.0005891</b>	<b>208</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>7.143</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	118	No	26	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00007079	69	131	No	28	3.571	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003679	-57	-131	No	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004847	-104	-131	No	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00004873	-27	-131	No	28	3.571	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0009831</b>	<b>207</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>3.571</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

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## Intrawell Prediction Limits Summary (Federal) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 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)	GWC-29	11.14	n/a	9/10/2020	15	Yes	11	9.564	0.6562	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWC-52	16.21	n/a	9/11/2020	18	Yes	11	13.28	1.219	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-45	10	n/a	9/11/2020	12	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.044	n/a	9/11/2020	4.7	Yes	11	3.192	0.3551	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-51	7.083	n/a	9/11/2020	7.7	Yes	10	6.63	0.1829	0	None	No	0.001504	Param 1 of 2
pH (S.U.)	GWA-47	6.552	6.309	9/11/2020	6.59	Yes	14	6.431	0.05427	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-29	5.923	5.7	9/10/2020	6.09	Yes	13	5.812	0.04896	0	None	No	0.000752	Param 1 of 2
Sulfate, total (mg/L)	GWC-51	0.7	n/a	9/11/2020	2.6	Yes	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	9/11/2020	39	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	109.9	n/a	9/10/2020	110	Yes	11	76.64	13.87	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	336.6	n/a	9/11/2020	340	Yes	11	254.3	34.3	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	118.7	n/a	9/10/2020	130	Yes	10	102.4	6.586	0	None	No	0.001504	Param 1 of 2



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# Intrawell Prediction Limits Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-21	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-22	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.132	n/a	9/11/2020	1	No	11	0.4969	0.2648	0	None	No	0.001504	Param 1 of 2
Boron, total (mg/L)	GWA-46	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-49	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-50	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-51	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-52	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.129	n/a	9/11/2020	0.97	No	11	0.9258	0.08464	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-21	11.64	n/a	9/10/2020	8.2	No	11	8.706	1.221	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-22	9.51	n/a	9/10/2020	5.9	No	11	6.891	1.091	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-45	46.4	n/a	9/11/2020	30	No	11	36.48	4.133	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-46	7.033	n/a	9/11/2020	5.5	No	11	5.597	0.5984	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-47	11.8	n/a	9/11/2020	11	No	11	13250	2544	0	None	x^4	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-48	14.23	n/a	9/11/2020	12	No	11	12.36	0.7788	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-49	15.69	n/a	9/10/2020	14	No	11	14.05	0.6861	0	None	No	0.001504	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>11.14</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>15</b>	<b>Yes</b>	<b>11</b>	<b>9.564</b>	<b>0.6562</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-50	8.105	n/a	9/10/2020	7.5	No	11	7.022	0.4513	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWC-51	7.814	n/a	9/11/2020	7	No	11	6.6	0.506	0	None	No	0.001504	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>16.21</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>18</b>	<b>Yes</b>	<b>11</b>	<b>13.28</b>	<b>1.219</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-53	21.17	n/a	9/11/2020	19	No	11	16.72	1.853	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-21	4.383	n/a	9/10/2020	3.7	No	11	3.23	0.4804	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-22	5.531	n/a	9/10/2020	2.5	No	11	3.155	0.9903	0	None	No	0.001504	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-45</b>	<b>10</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>12</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-46</b>	<b>4.044</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>4.7</b>	<b>Yes</b>	<b>11</b>	<b>3.192</b>	<b>0.3551</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Chloride, Total (mg/L)	GWA-47	1.753	n/a	9/11/2020	1.6	No	11	1.479	0.1141	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-48	1.991	n/a	9/11/2020	1.8	No	10	1.724	0.1077	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-49	2.432	n/a	9/10/2020	2.1	No	11	2.09	0.1425	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-29	4.257	n/a	9/10/2020	3.3	No	10	3.5	0.3055	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-50	2.1	n/a	9/10/2020	2.1	No	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>7.083</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>7.7</b>	<b>Yes</b>	<b>10</b>	<b>6.63</b>	<b>0.1829</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Chloride, Total (mg/L)	GWC-52	8.651	n/a	9/11/2020	7.9	No	10	7.93	0.2908	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-53	12	n/a	9/11/2020	12	No	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
Fluoride, total (mg/L)	GWA-21	0.082	n/a	9/10/2020	0.044J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	9/10/2020	0.034J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	9/11/2020	0.034J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	9/11/2020	0.035J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	9/10/2020	0.036J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	9/10/2020	0.04J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.1	n/a	9/10/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.027	n/a	9/11/2020	0.049J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	9/11/2020	0.041J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-53	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
pH (S.U.)	GWA-21	5.962	5.587	9/10/2020	5.83	No	13	5.775	0.08222	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-22	6.27	5.499	9/10/2020	5.78	No	14	5.884	0.1725	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-45	6.448	5.747	9/11/2020	5.98	No	13	6.098	0.1537	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-46	6.83	5.71	9/11/2020	6.02	No	13	n/a	n/a	0	n/a	n/a	0.01938	NP (normality) 1 of 2
<b>pH (S.U.)</b>	<b>GWA-47</b>	<b>6.552</b>	<b>6.309</b>	<b>9/11/2020</b>	<b>6.59</b>	<b>Yes</b>	<b>14</b>	<b>6.431</b>	<b>0.05427</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	Param 1 of 2
pH (S.U.)	GWA-48	6.981	6.519	9/11/2020	6.76	No	13	6.75	0.1012	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-49	7.091	6.613	9/10/2020	6.91	No	13	6.852	0.1048	0	None	No	0.000752	Param 1 of 2
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>5.923</b>	<b>5.7</b>	<b>9/10/2020</b>	<b>6.09</b>	<b>Yes</b>	<b>13</b>	<b>5.812</b>	<b>0.04896</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	Param 1 of 2

## Intrawell Prediction Limits Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (S.U.)	GWC-50	5.994	5.672	9/10/2020	5.78	No	14	5.833	0.07205	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-51	5.977	5.714	9/11/2020	5.84	No	14	5.846	0.0588	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-52	6.806	6.488	9/11/2020	6.64	No	14	6.647	0.07119	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-53	5.76	5.399	9/11/2020	5.69	No	13	5.579	0.07921	0	None	No	0.000752	Param 1 of 2
Sulfate, total (mg/L)	GWA-21	2.884	n/a	9/10/2020	1.3	No	11	1.481	0.5847	9.091	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	182.1	n/a	9/11/2020	170	No	11	144.3	15.75	0	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-46	0.7	n/a	9/11/2020	0.99J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	0.38	n/a	9/11/2020	0.39J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.626	n/a	9/11/2020	1.3	No	11	1.176	0.1875	0	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-49	0.7	n/a	9/10/2020	0.42J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	2.916	n/a	9/10/2020	2.7	No	11	2.486	0.179	9.091	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-51</b>	<b>0.7</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>2.6</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>90.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>39</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>	Param 1 of 2
Sulfate, total (mg/L)	GWC-53	182.6	n/a	9/11/2020	160	No	11	148.7	14.12	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-21</b>	<b>109.9</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>110</b>	<b>Yes</b>	<b>11</b>	<b>76.64</b>	<b>13.87</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	115	n/a	9/10/2020	56	No	11	65.73	20.51	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-45</b>	<b>336.6</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>340</b>	<b>Yes</b>	<b>11</b>	<b>254.3</b>	<b>34.3</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	86.78	n/a	9/11/2020	51	No	11	46.5	16.78	9.091	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	116	n/a	9/11/2020	110	No	11	81.82	14.25	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	120.7	n/a	9/11/2020	120	No	11	87.36	13.87	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-49</b>	<b>118.7</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>130</b>	<b>Yes</b>	<b>10</b>	<b>102.4</b>	<b>6.586</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	138.1	n/a	9/10/2020	120	No	11	84.73	22.22	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	129.2	n/a	9/10/2020	82	No	11	68.91	25.11	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	102.5	n/a	9/11/2020	87	No	10	74	11.51	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	184	n/a	9/11/2020	170	No	11	10.79	1.155	0	None	sqrt(x)	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	326.8	n/a	9/11/2020	290	No	11	243.5	34.73	0	None	No	0.001504	Param 1 of 2

## Interwell Prediction Limits Summary (Federal) - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:08 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)	GWC-29	45	n/a	9/10/2020	15	No	105	n/a	n/a	0	n/a	n/a	0.0001788	NP (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	9/11/2020	18	No	105	n/a	n/a	0	n/a	n/a	0.0001788	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	12	n/a	9/11/2020	7.7	No	104	n/a	n/a	0	n/a	n/a	0.0001817	NP (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	9/10/2020	6.09	No	122	n/a	n/a	0	n/a	n/a	0.0002631	NP (normality) 1 of 2
Sulfate, total (mg/L)	GWC-51	170	n/a	9/11/2020	2.6	No	105	n/a	n/a	44.76	n/a	n/a	0.0001788	NP (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	170	n/a	9/11/2020	39	No	105	n/a	n/a	44.76	n/a	n/a	0.0001788	NP (normality) 1 of 2

## Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/16/2020, 9:08 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-29	1.043	70	53	Yes	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.364	70	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4067	74	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.1956	49	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	7.758	89	53	Yes	15	6.667	n/a	n/a	0.01	NP

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## Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/16/2020, 9:08 AM

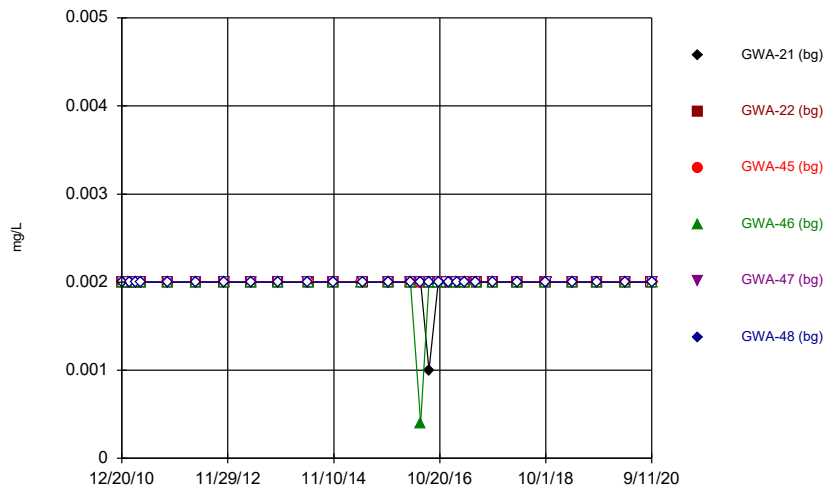
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1848	19	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	-0.0465	-8	-53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	1.337	31	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.1632	28	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.1536	37	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.1165	26	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	9	53	No	15	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>1.043</b>	<b>70</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>
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.364</b>	<b>70</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-21 (bg)	0.2397	49	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.3971	-36	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.1349	29	53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4067</b>	<b>74</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-47 (bg)	-0.06819	-32	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.06176	-28	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.05677	-44	-53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.1956</b>	<b>49</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.009687	20	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.005066	3	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.009074	-15	-63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.02263	36	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.008548	25	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	-0.001266	-5	-63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.004014	6	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.03983	54	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.1122	25	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-10	-53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	5.294	37	53	No	15	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-8	-53	No	15	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	35	53	No	15	80	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.04356	25	53	No	15	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-11	-53	No	15	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-51	0	34	53	No	15	66.67	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>7.758</b>	<b>89</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>6.667</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

FIGURE A.

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

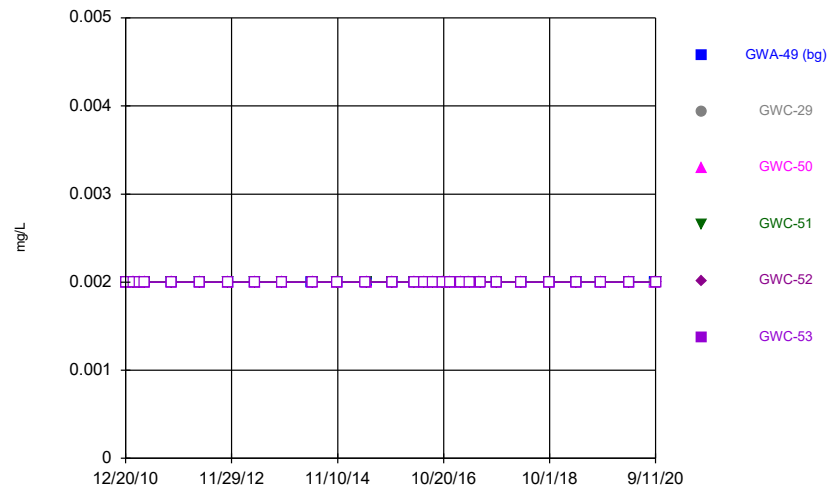
Time Series



Constituent: Antimony, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

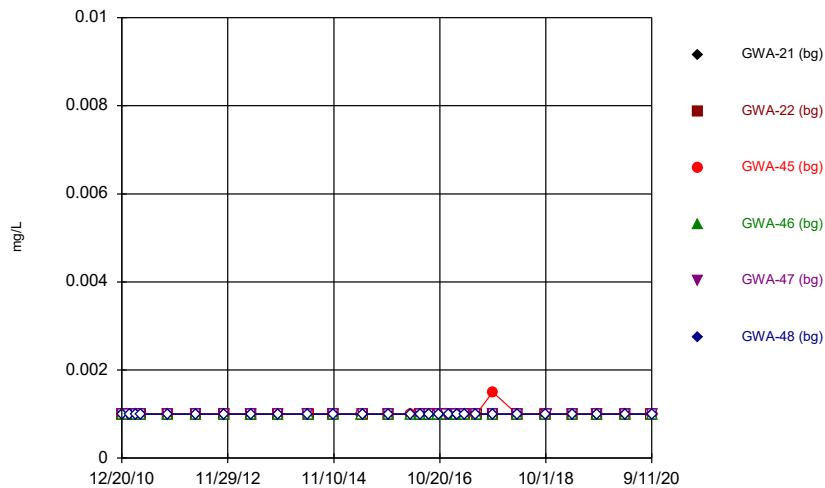
Time Series



Constituent: Antimony, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

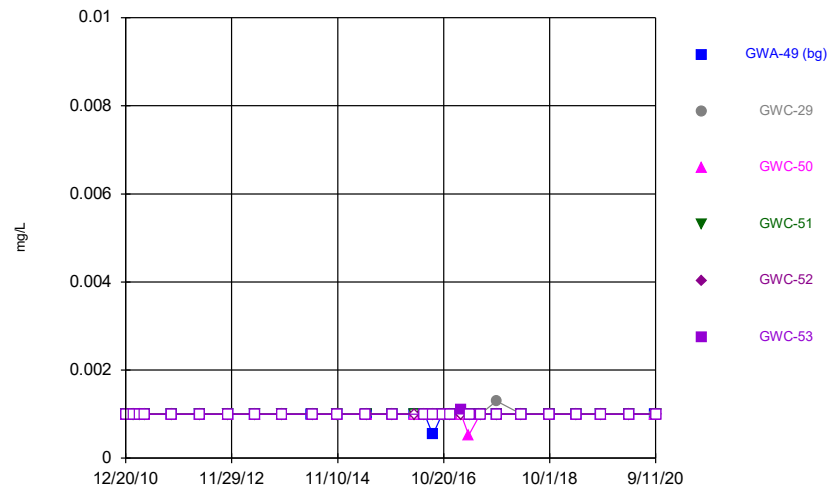
Time Series



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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



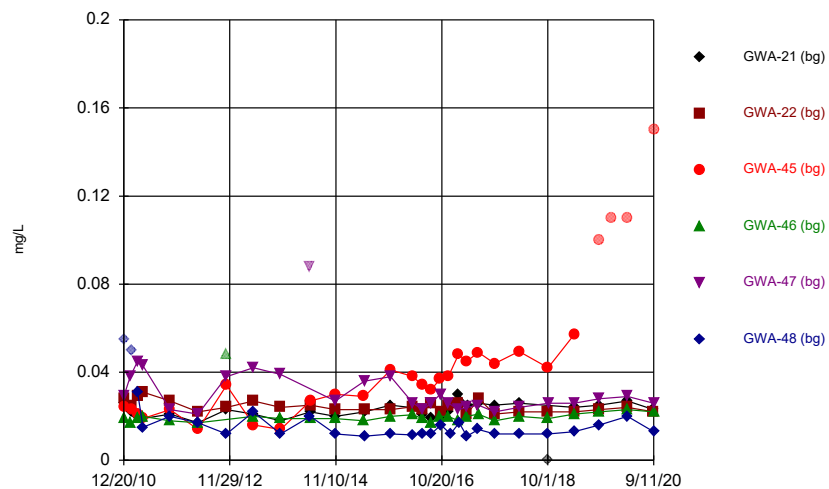
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

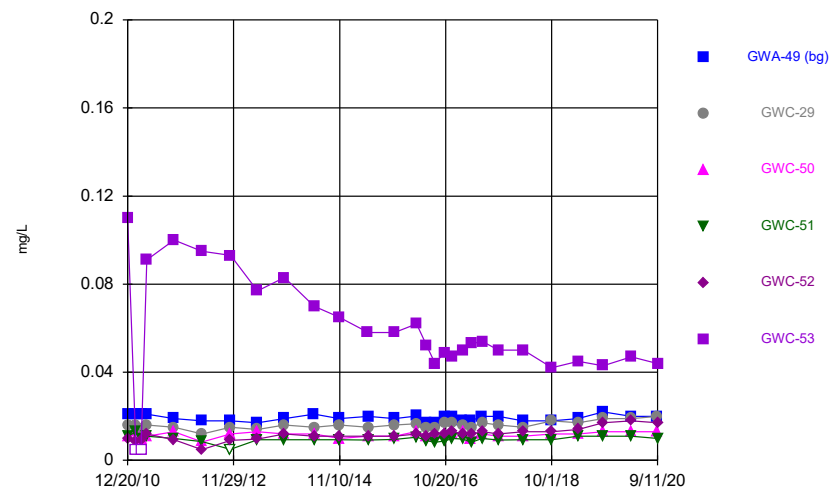
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Time Series



Constituent: Barium, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series

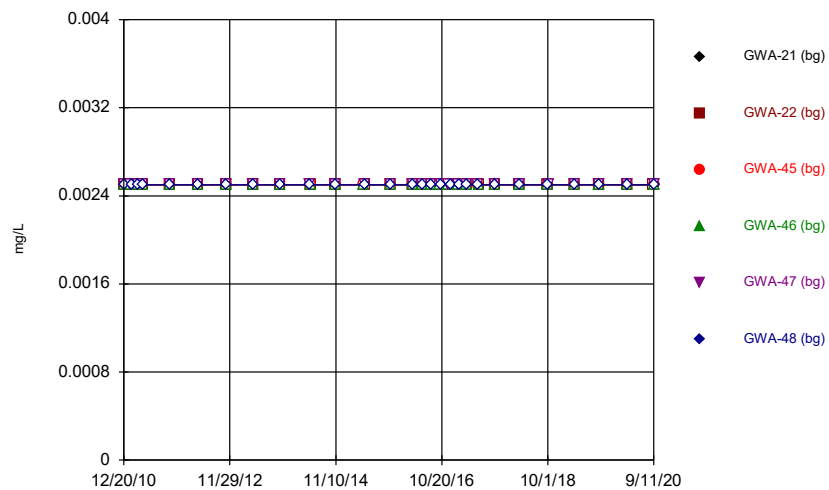


Constituent: Barium, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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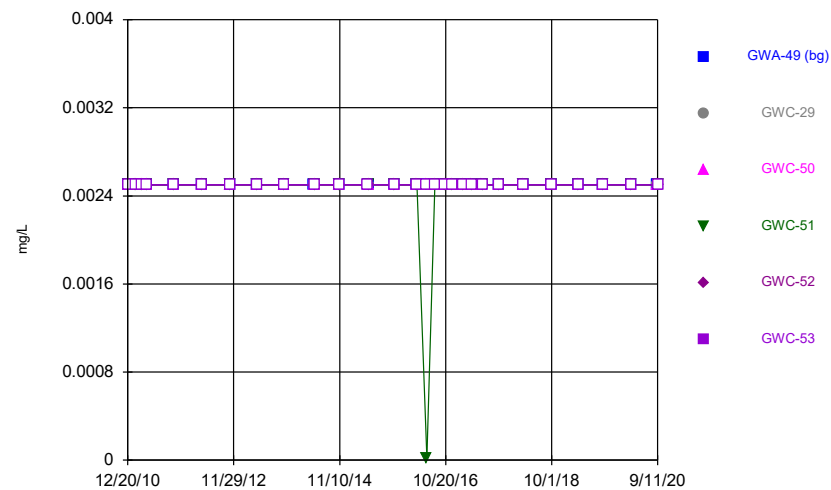
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 Hollow symbols indicate censored values.

Time Series



Constituent: Beryllium, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



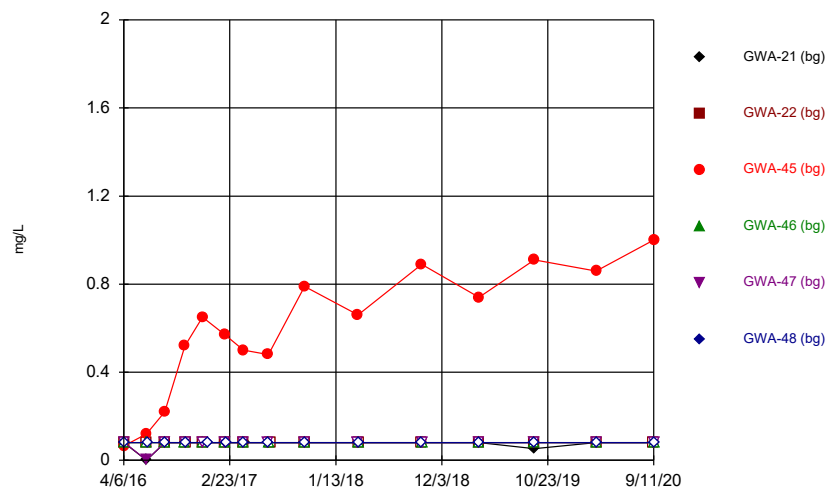
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

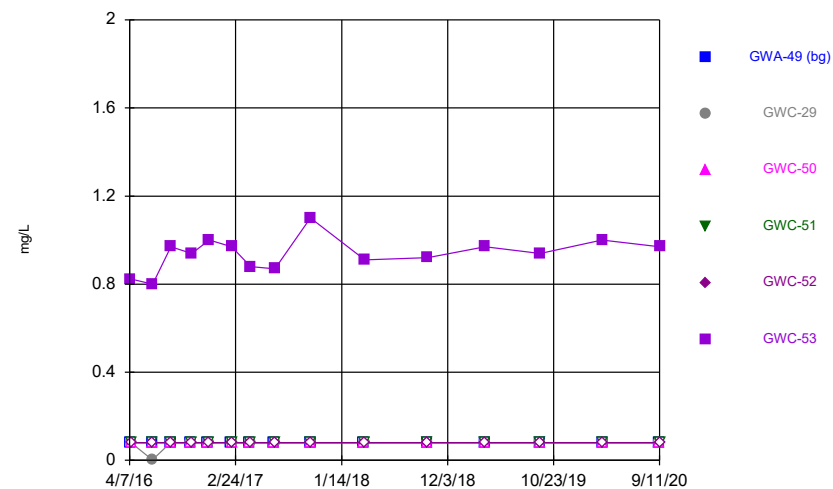
Time Series



Constituent: Boron, total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

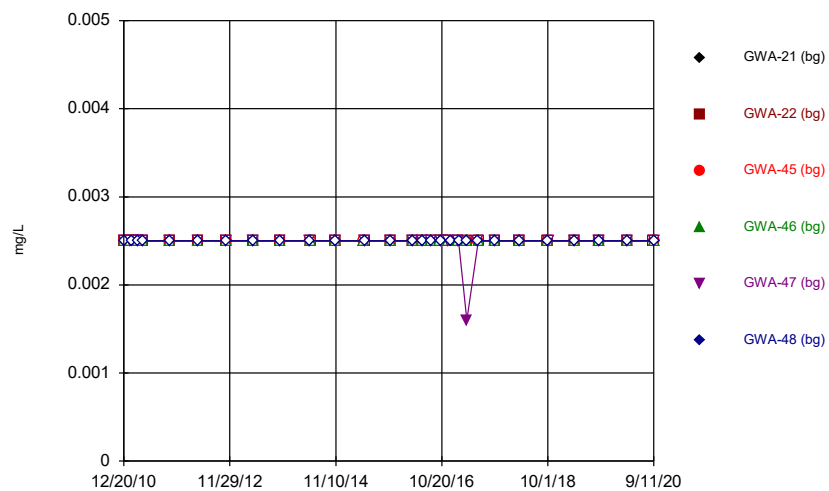
Time Series



Constituent: Boron, total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

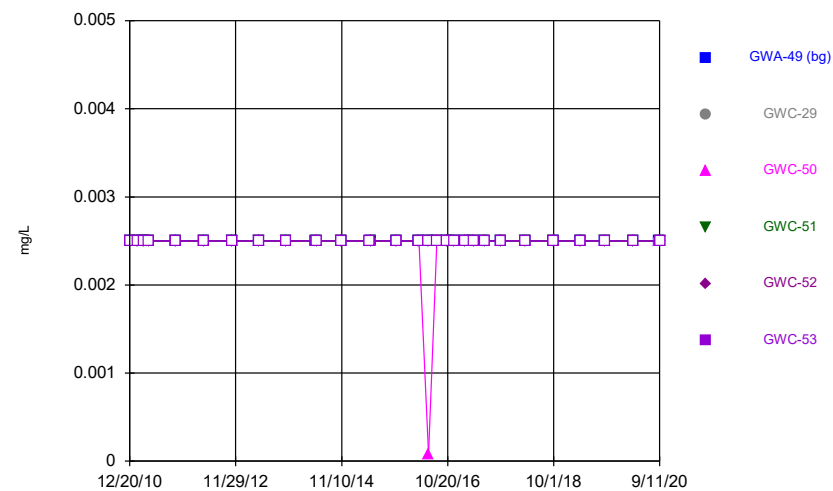
Time Series



Constituent: Cadmium, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



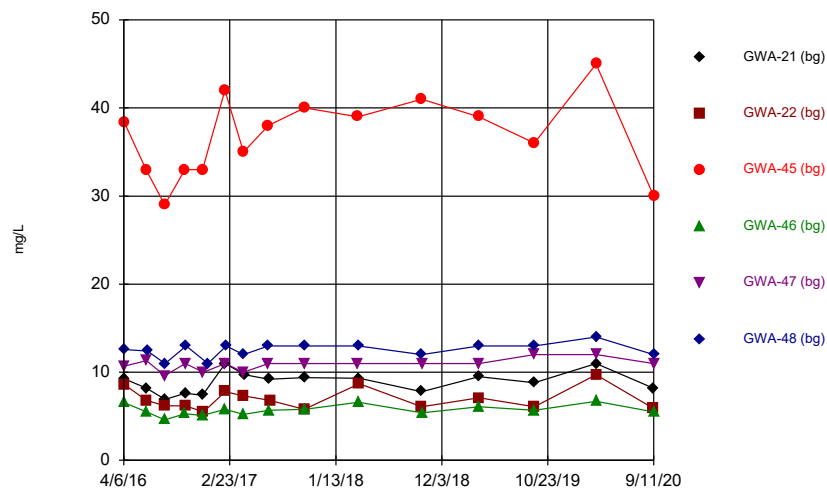
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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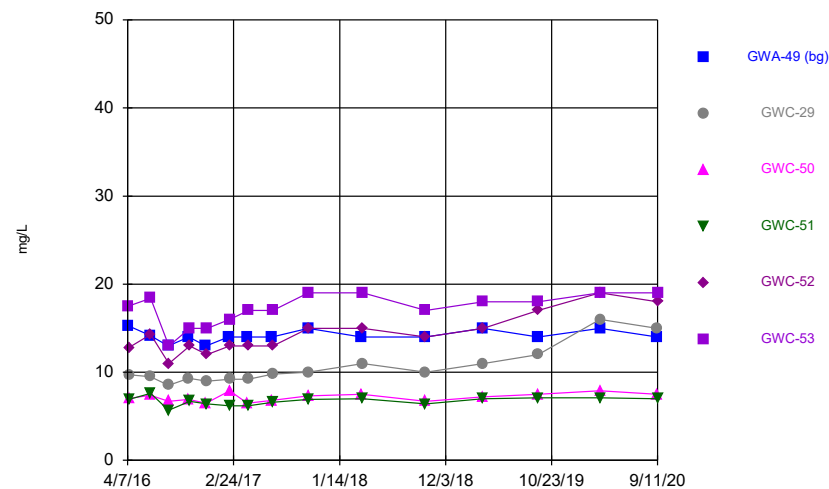
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Time Series



Constituent: Calcium, total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

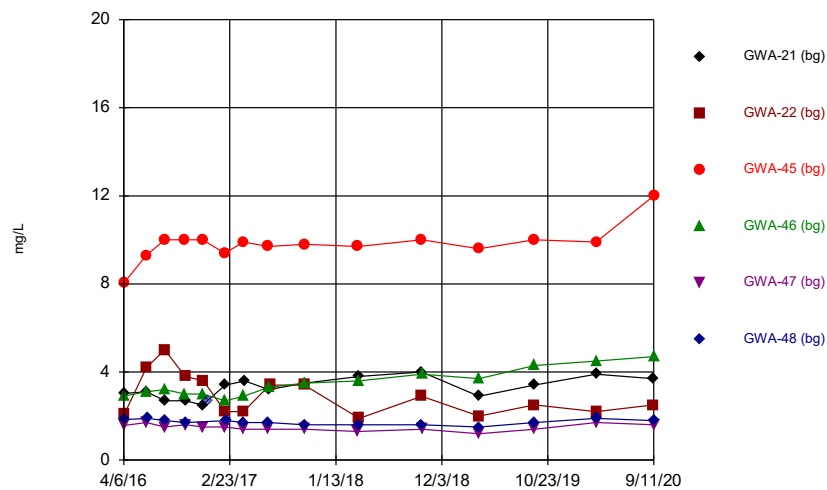
Time Series



Constituent: Calcium, total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

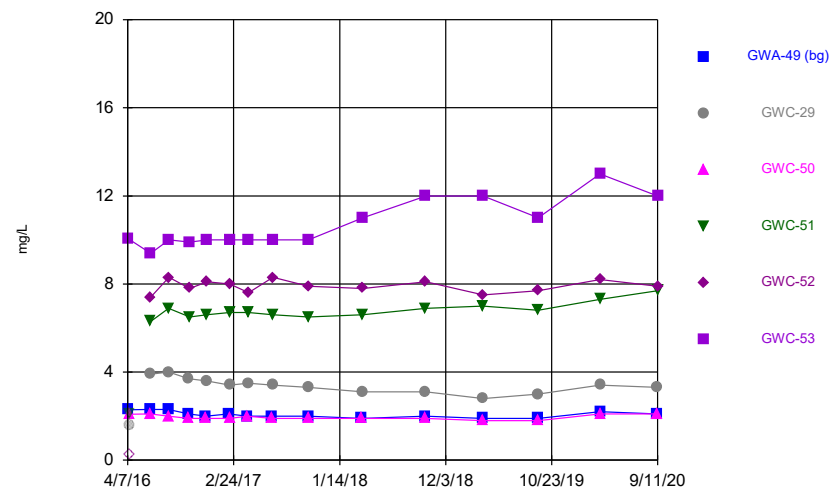
Time Series



Constituent: Chloride, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

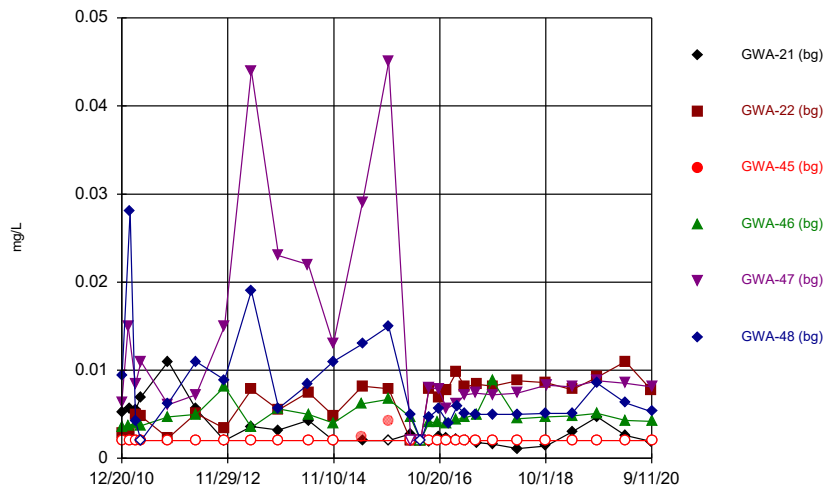


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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

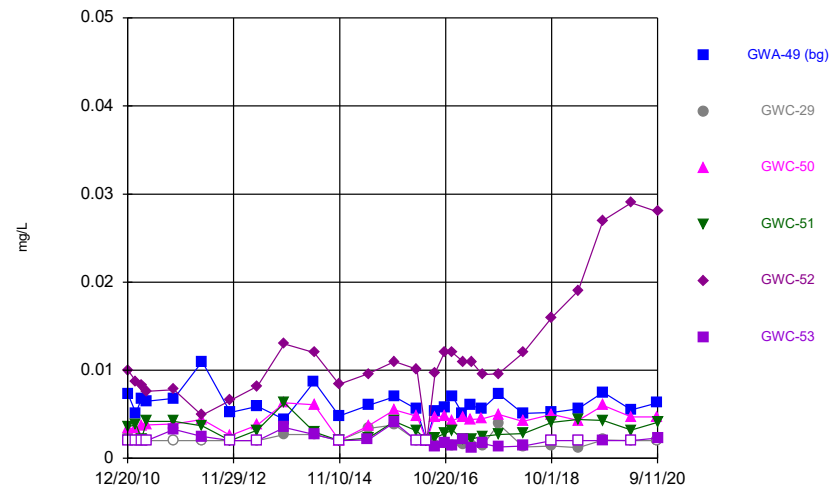
Time Series



Constituent: Chromium, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
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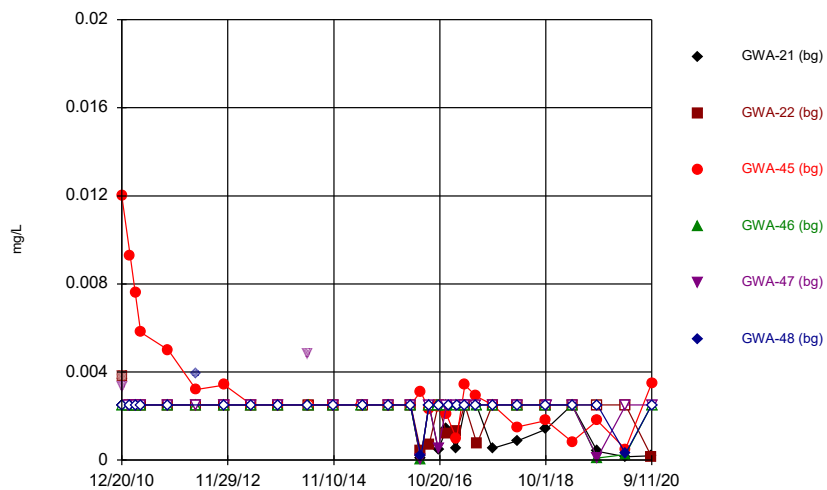
Time Series



Constituent: Chromium, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
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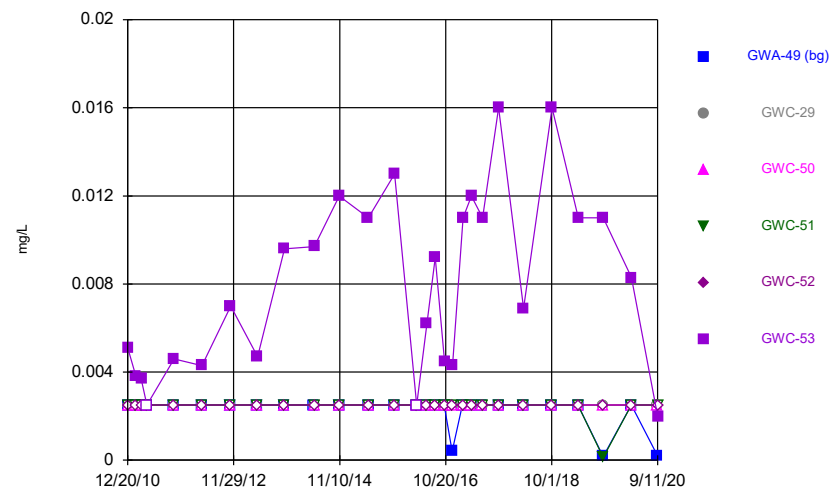
Time Series



Constituent: Cobalt, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Time Series

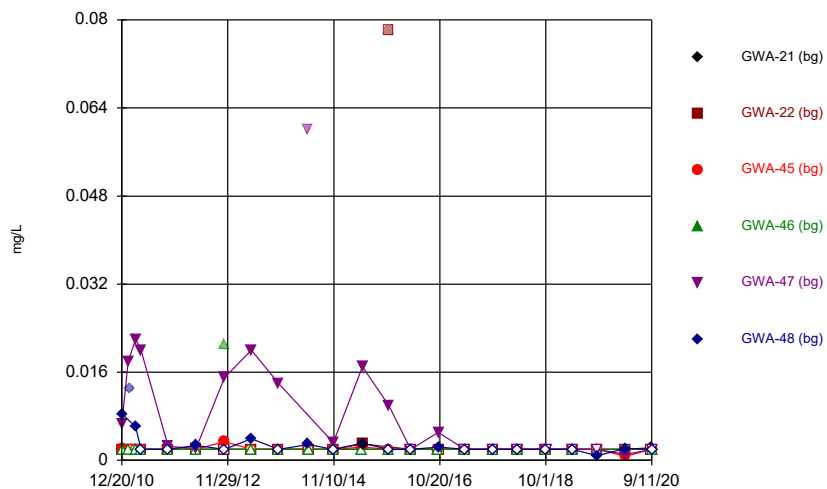


Constituent: Cobalt, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

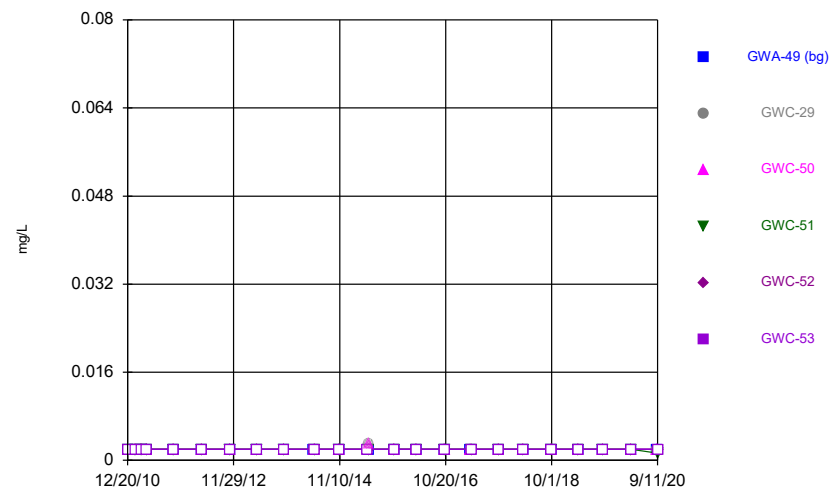
Time Series



Constituent: Copper, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

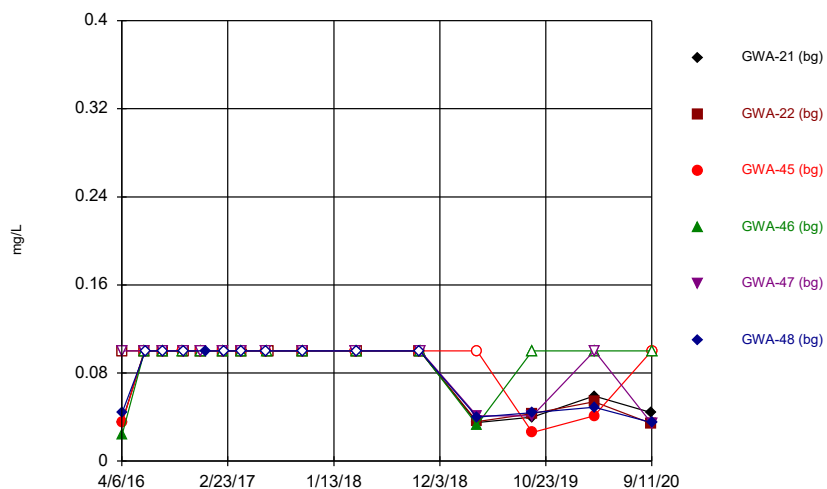
Time Series



Constituent: Copper, Total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

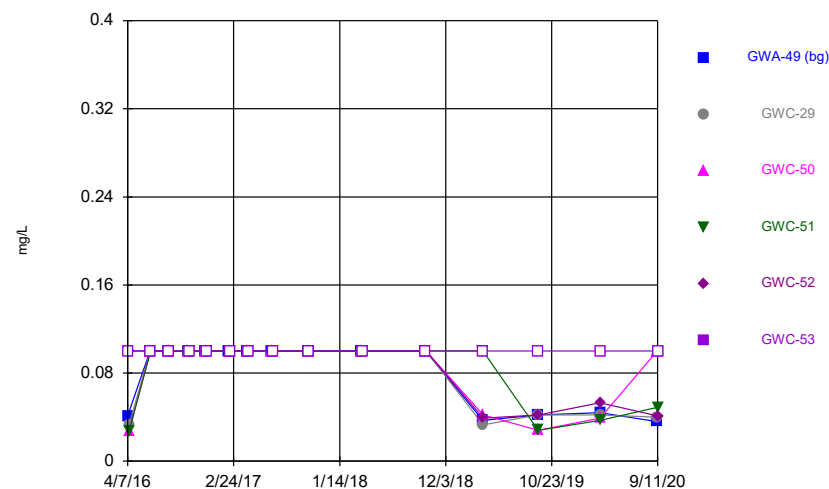
Time Series



Constituent: Fluoride, total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Time Series

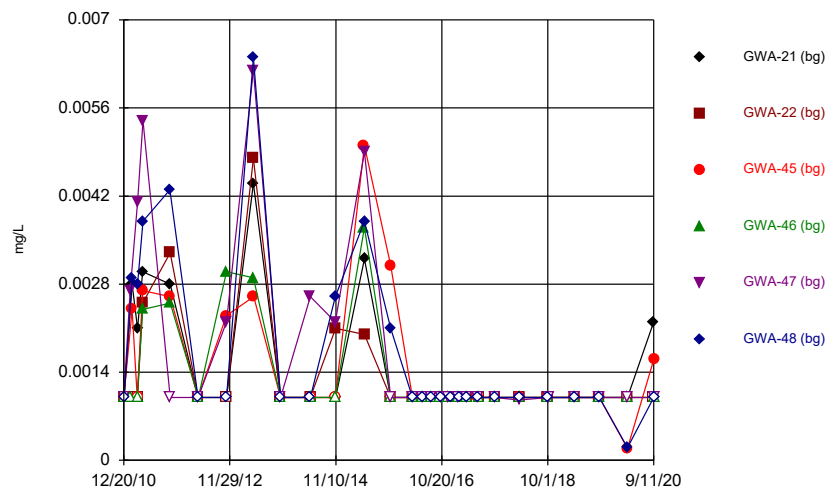


Constituent: Fluoride, total Analysis Run 11/18/2020 12:45 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

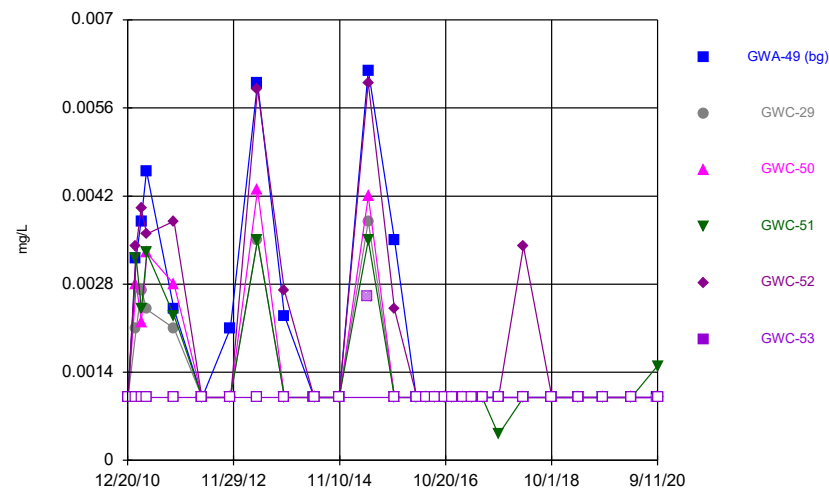
Time Series



Constituent: Lead, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

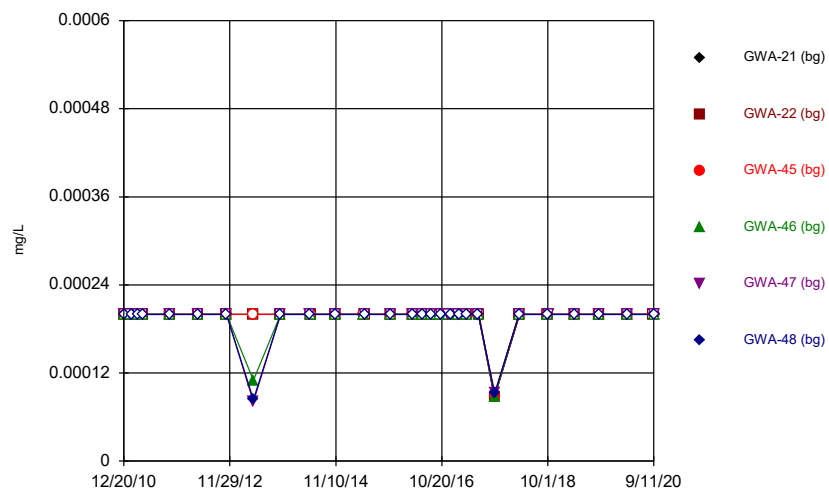
Time Series



Constituent: Lead, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

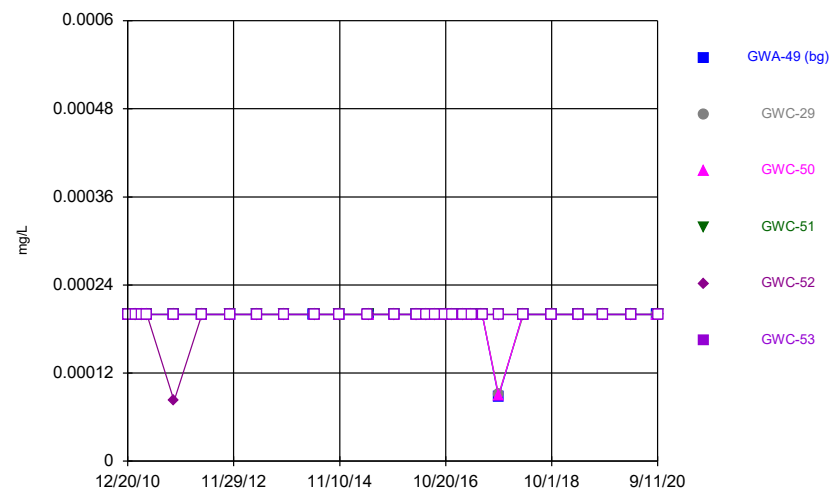
Time Series



Constituent: Mercury, Total Analysis Run 11/18/2020 12:45 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

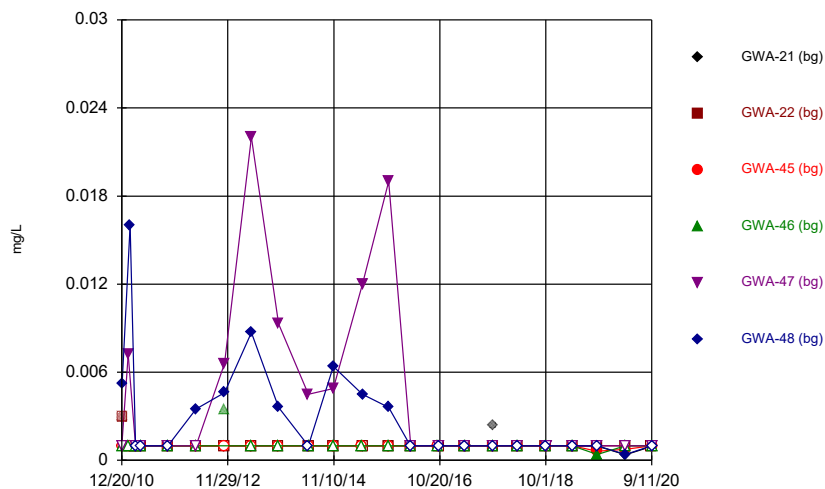


Constituent: Mercury, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

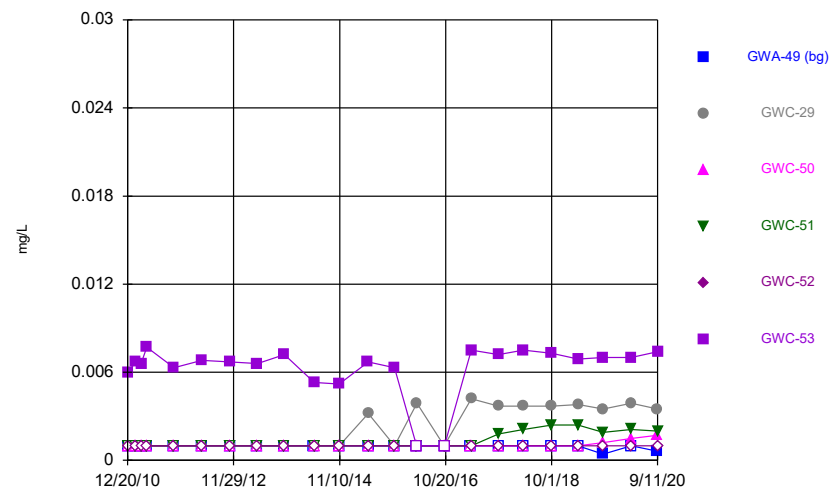
Time Series



Constituent: Nickel, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

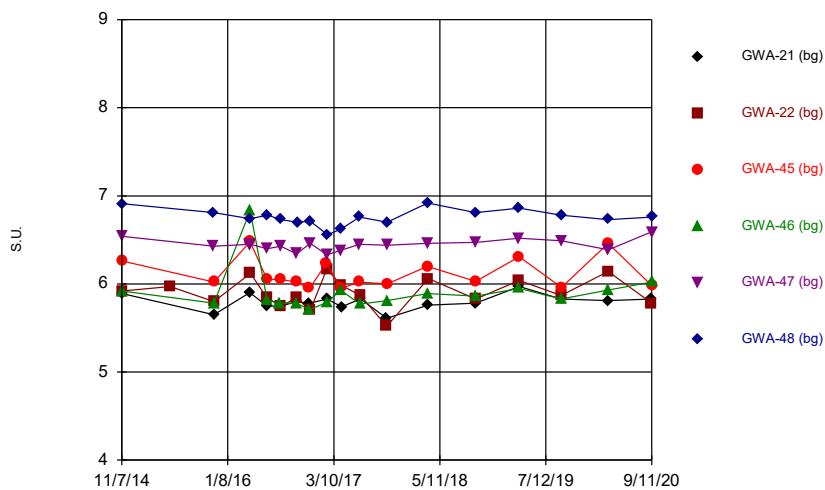
Time Series



Constituent: Nickel, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

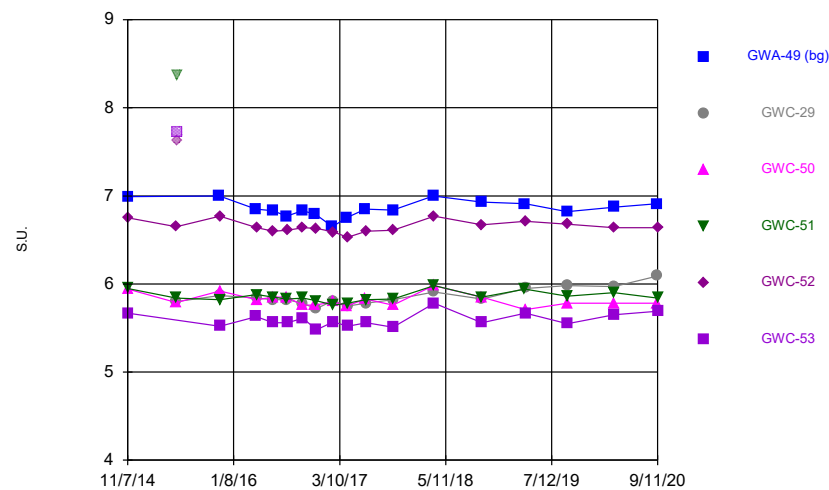
Time Series



Constituent: pH Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Time Series

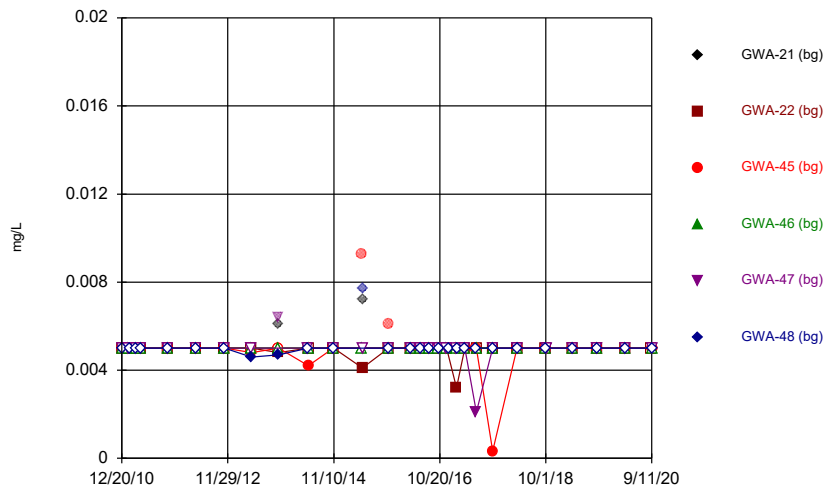


Constituent: pH Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

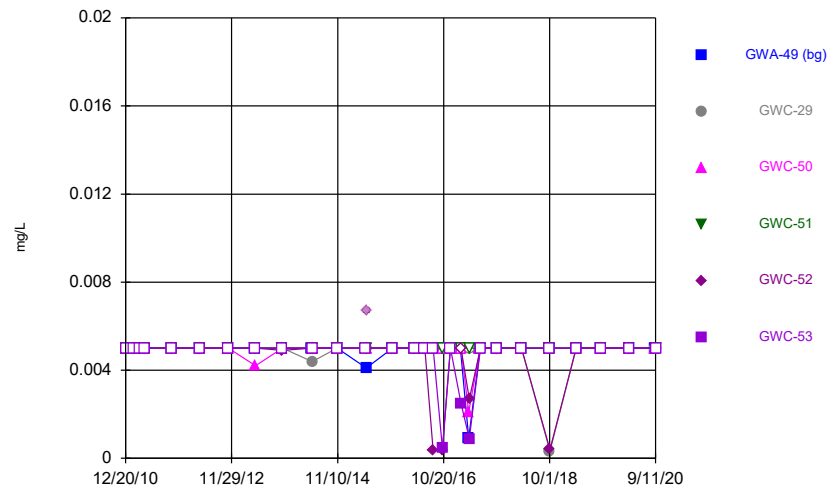
Time Series



Constituent: Selenium, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

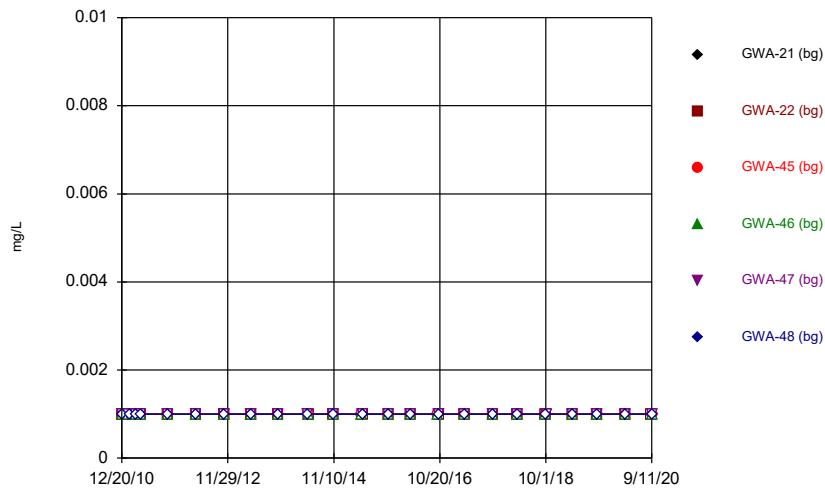
Time Series



Constituent: Selenium, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

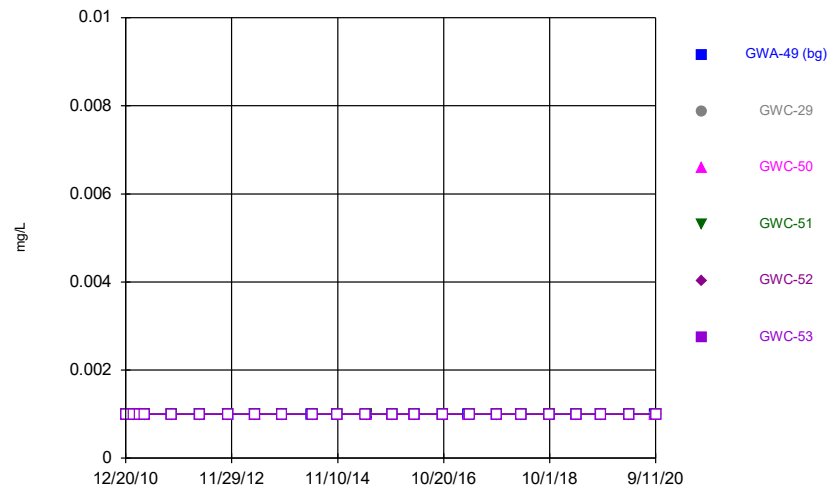
Time Series



Constituent: Silver, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series

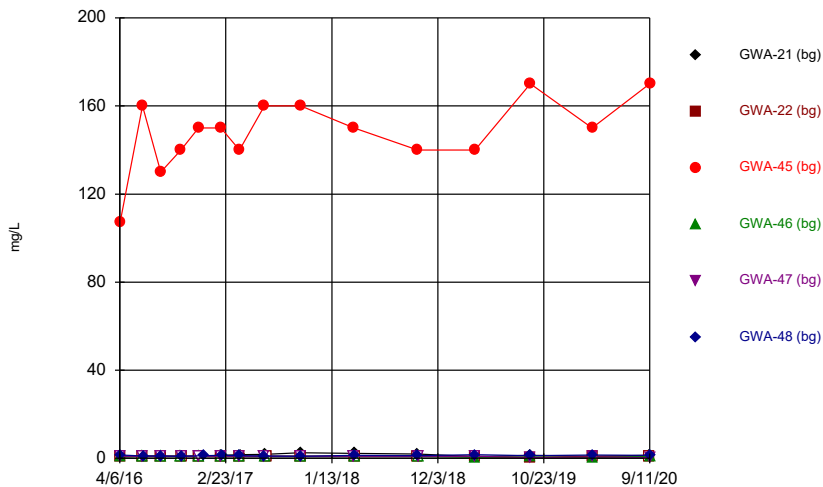


Constituent: Silver, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

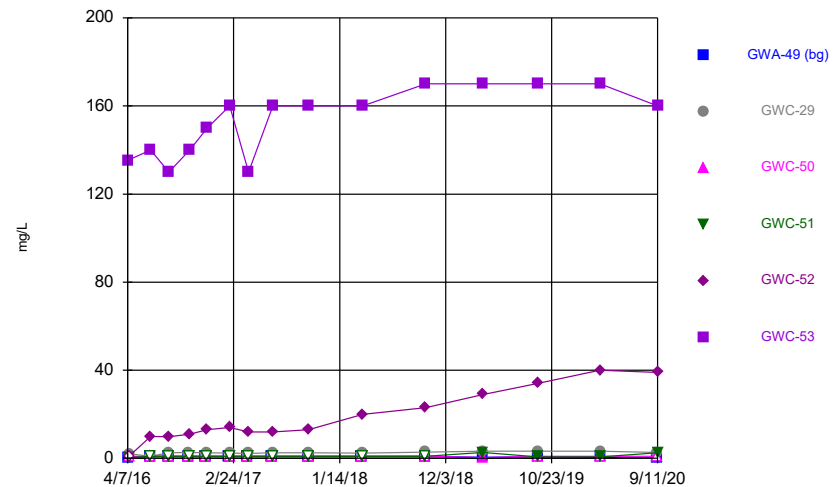
Time Series



Constituent: Sulfate, total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

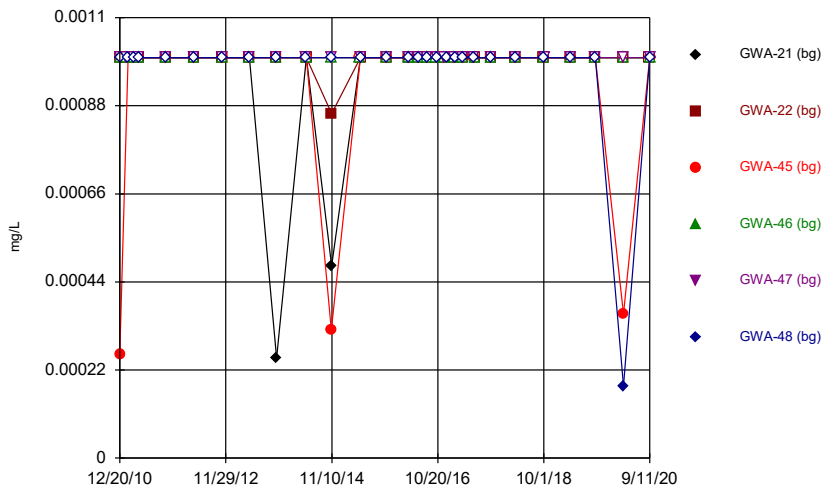
Time Series



Constituent: Sulfate, total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

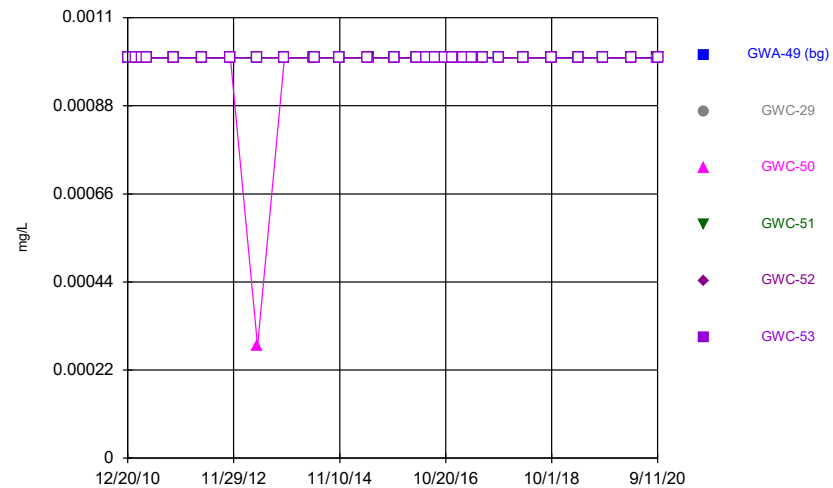
Time Series



Constituent: Thallium, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium, Total Analysis Run 11/18/2020 12:46 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

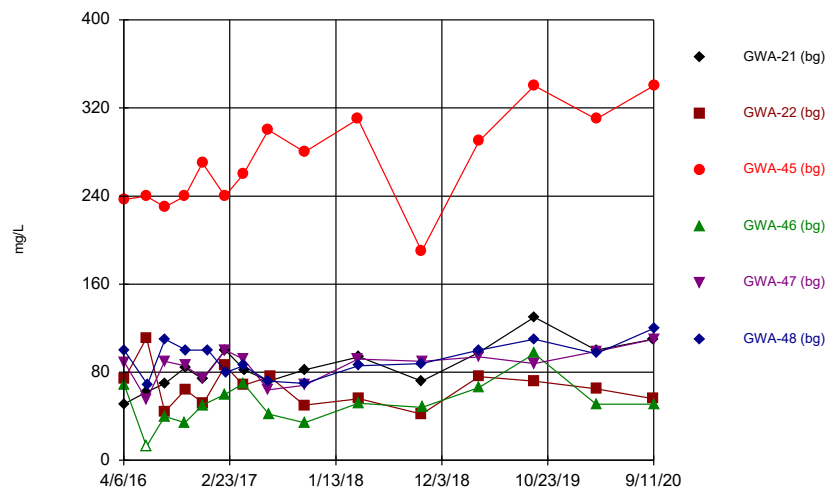


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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

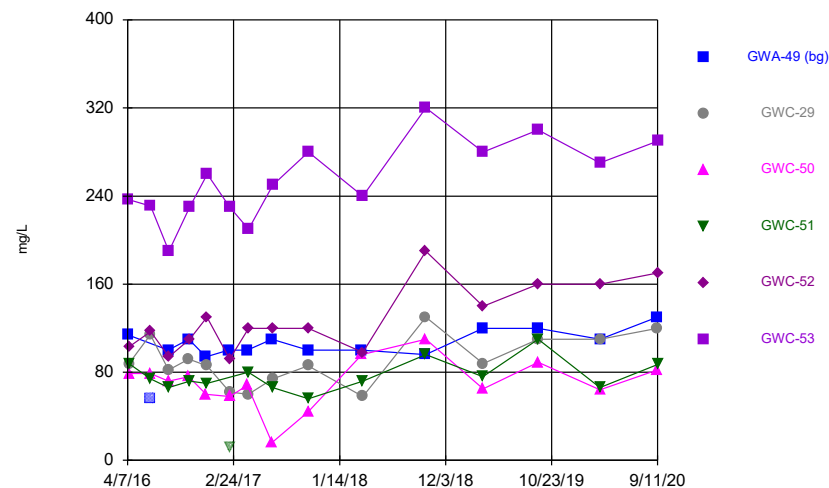
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series

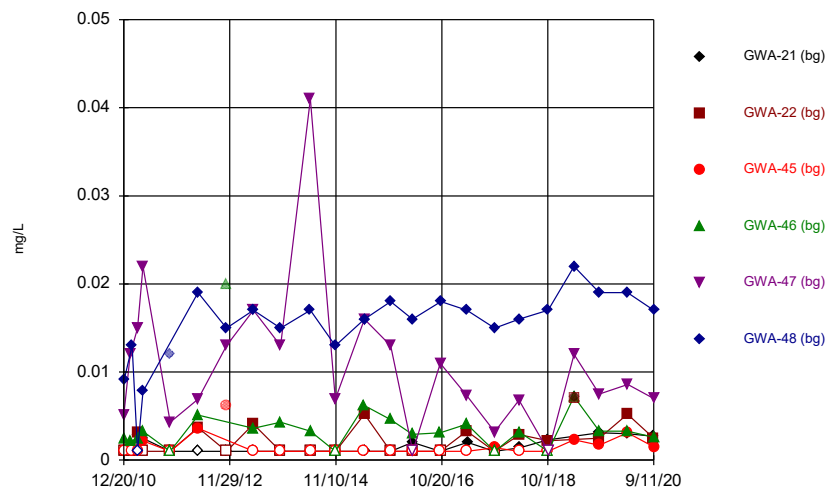


Constituent: Total Dissolved Solids [TDS] Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

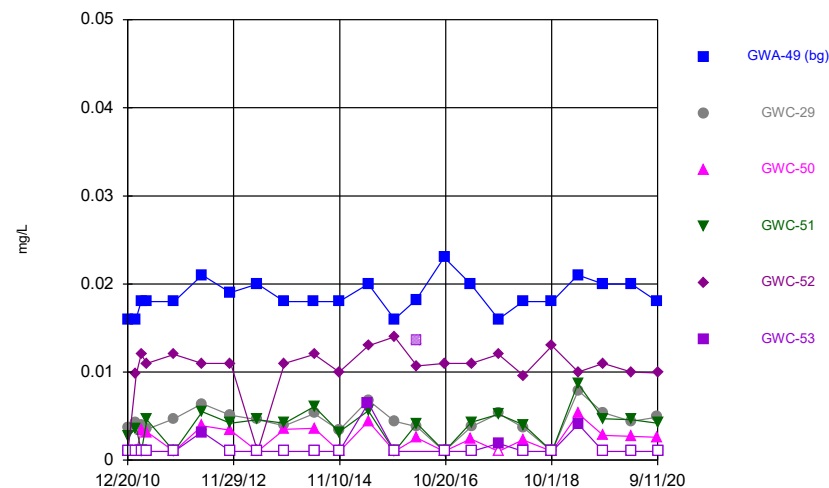
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Time Series



Constituent: Vanadium, Total Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series

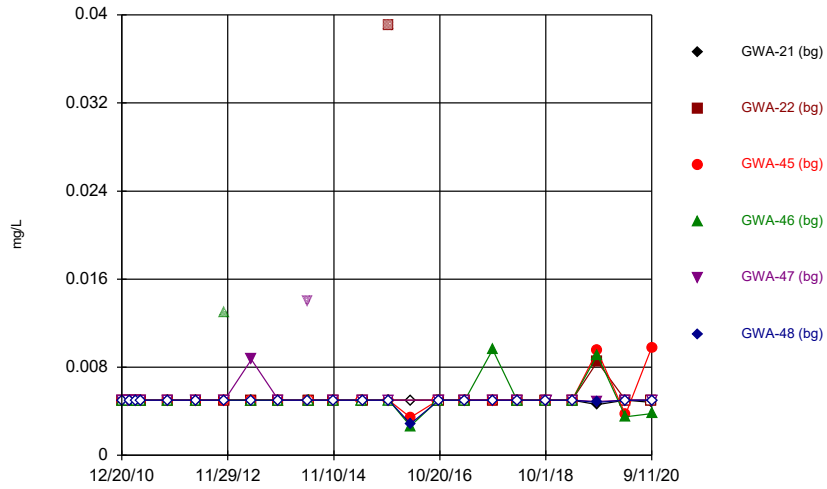


Constituent: Vanadium, Total Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

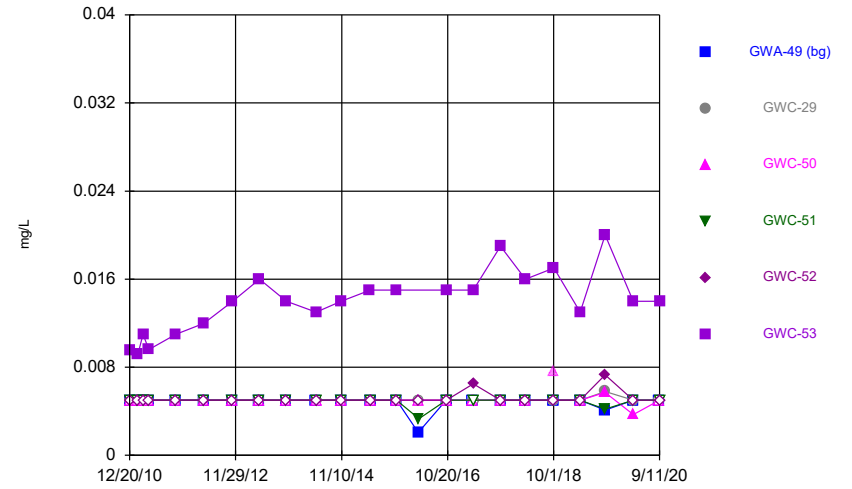
Time Series



Constituent: Zinc, Total Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Time Series



Constituent: Zinc, Total Analysis Run 11/18/2020 12:46 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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**Time Series**

Constituent: Antimony, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

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**Time Series**

Constituent: Antimony, Total (mg/L) Analysis Run 11/18/2020 12:46 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

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**Time Series**

Constituent: Antimony, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

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**Time Series**

Constituent: Antimony, Total (mg/L) Analysis Run 11/18/2020 12:46 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

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**Time Series**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/18/2020 12:46 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



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/18/2020 12:46 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			

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Barium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

Constituent: Barium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (mg/L) Analysis Run 11/18/2020 12:46 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



**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Beryllium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Beryllium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Boron, total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Boron, total (mg/L) Analysis Run 11/18/2020 12:46 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

**PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
Time Series**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/18/2020 12:46 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



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Calcium, total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Calcium, total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chloride, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chloride, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
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**Time Series**

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
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 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 12:46 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



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Constituent: Cobalt, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
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Constituent: Cobalt, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
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 PREPARED IN ANTICIPATION OF LITIGATION  
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Constituent: Cobalt, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
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**Time Series**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/18/2020 12:46 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)

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Copper, T Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Copper, T Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Fluoride, total (mg/L) Analysis Run 11/18/2020 12:46 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)

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Fluoride, total (mg/L) Analysis Run 11/18/2020 12:46 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



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Lead, Total (mg/L) Analysis Run 11/18/2020 12:46 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)	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Lead, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Lead, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Lead, Total (mg/L) Analysis Run 11/18/2020 12:46 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	<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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury, Total (mg/L) Analysis Run 11/18/2020 12:46 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

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Mercury, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Mercury, Total (mg/L) Analysis Run 11/18/2020 12:46 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



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Nickel, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Nickel, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: pH (S.U.) Analysis Run 11/18/2020 12:46 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

**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: pH (S.U.) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Selenium, Total (mg/L) Analysis Run 11/18/2020 12:46 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



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Silver, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Sulfate, total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Sulfate, total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (mg/L) Analysis Run 11/18/2020 12:46 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	

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (mg/L) Analysis Run 11/18/2020 12:46 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					

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Thallium, Total (mg/L) Analysis Run 11/18/2020 12:46 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



**PRIVILEGED AND CONFIDENTIAL**  
**ATTORNEY-CLIENT PRIVILEGED**  
**PREPARED IN ANTICIPATION OF LITIGATION**  
**Time Series**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Vanadium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Vanadium, Total (mg/L) Analysis Run 11/18/2020 12:46 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

PRIVILEGED AND CONFIDENTIAL  
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**Time Series**

Constituent: Zinc, Total (mg/L) Analysis Run 11/18/2020 12:46 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

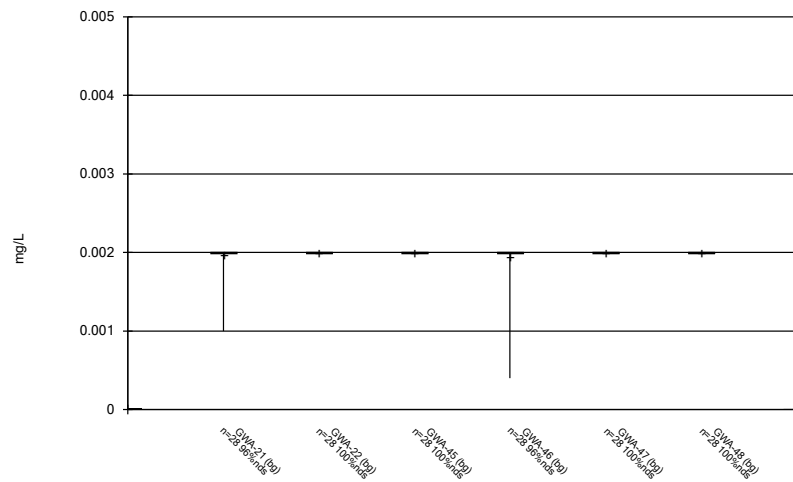
PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Time Series**

Constituent: Zinc, Total (mg/L) Analysis Run 11/18/2020 12:46 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 (O)	<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

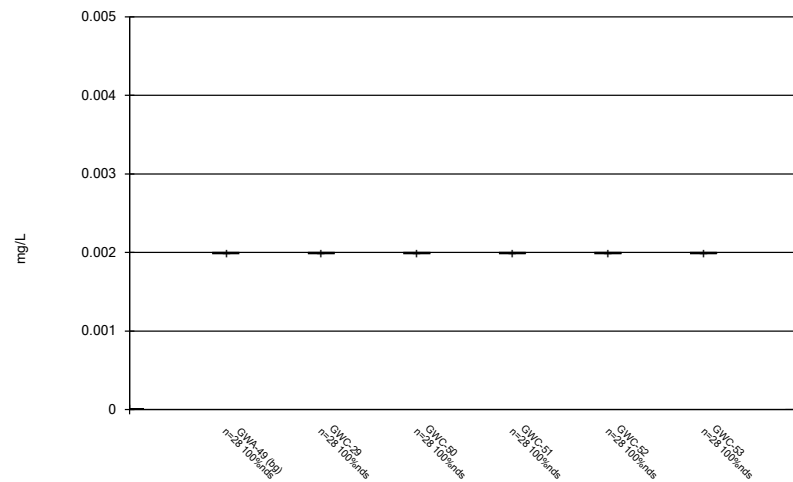
## FIGURE B.

Box & Whiskers Plot



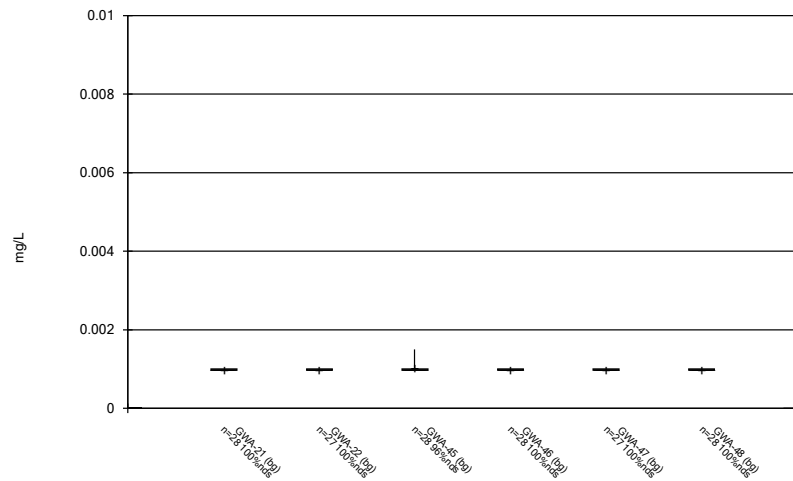
Constituent: Antimony, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



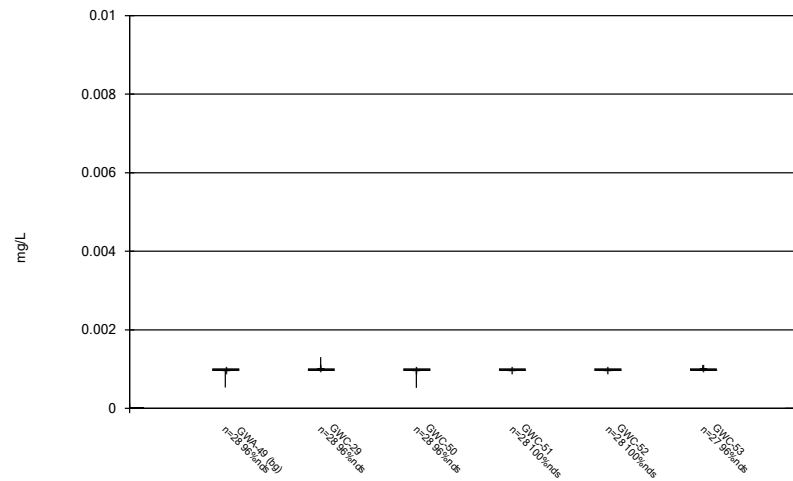
Constituent: Antimony, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Arsenic, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

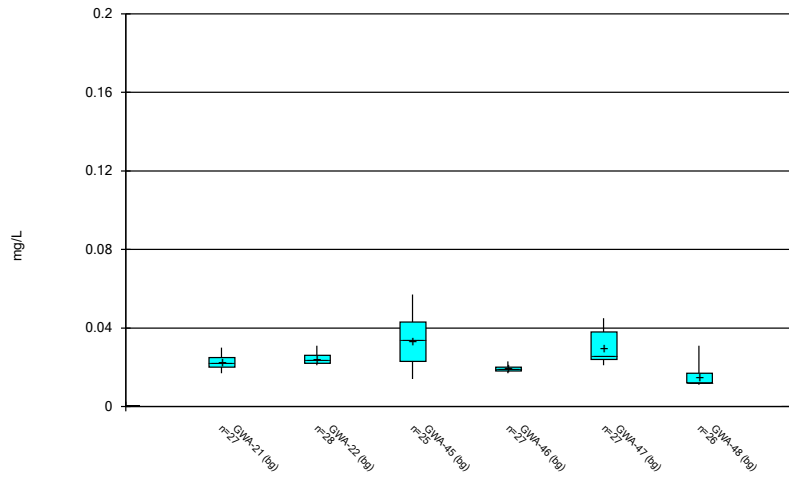
Box & Whiskers Plot



Constituent: Arsenic, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

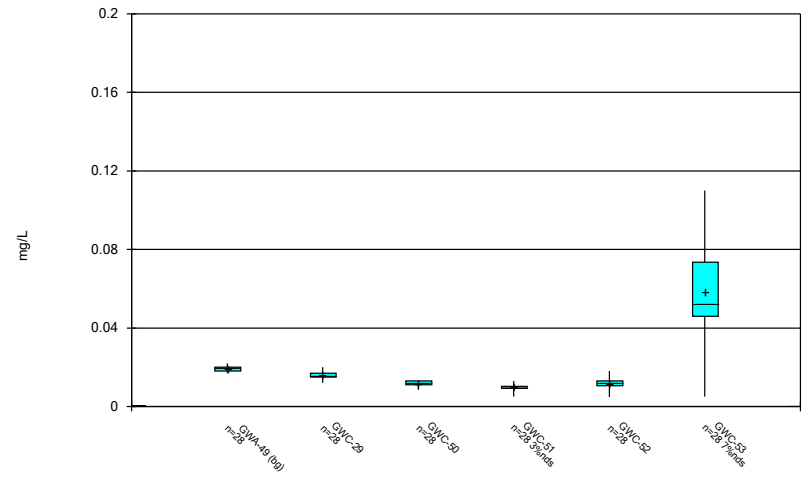


Box & Whiskers Plot



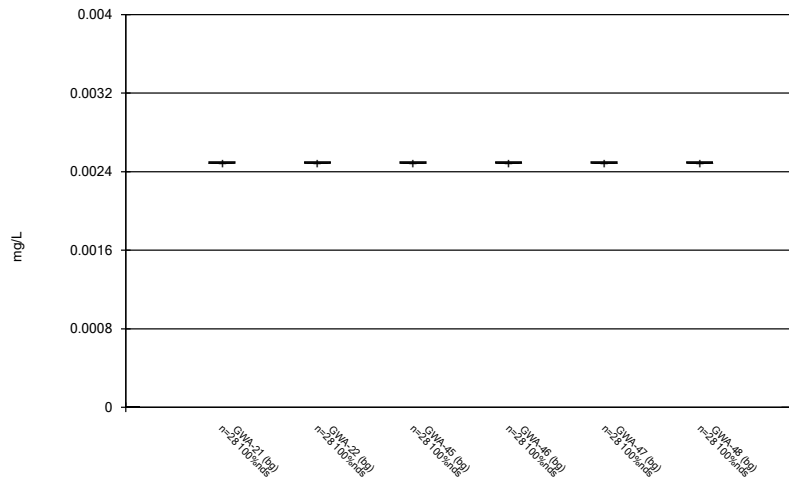
Constituent: Barium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



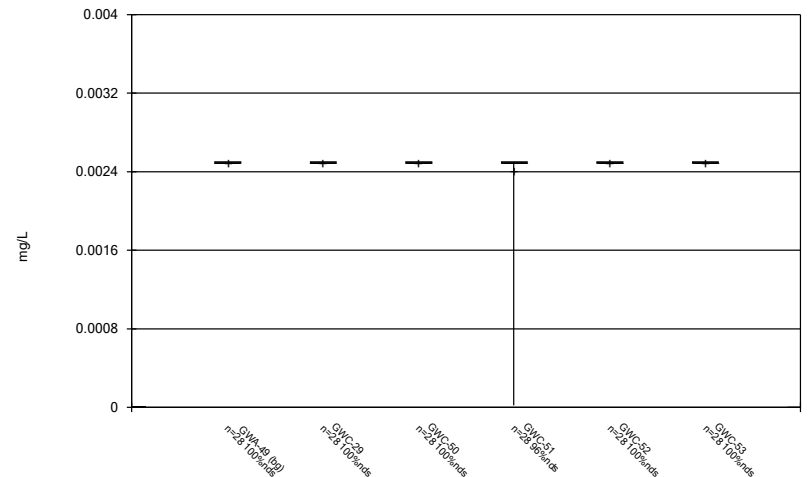
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



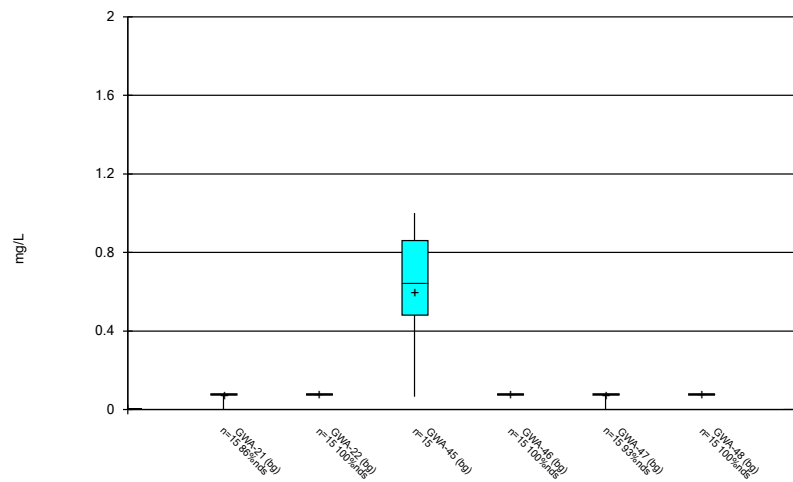
Constituent: Beryllium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



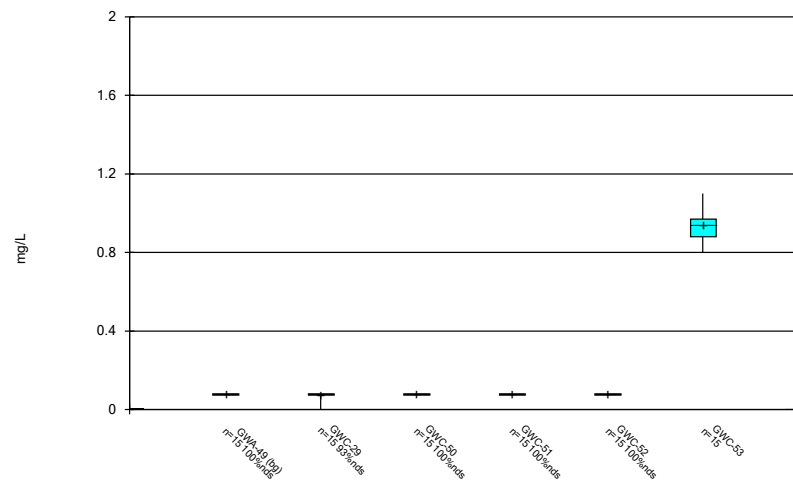
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



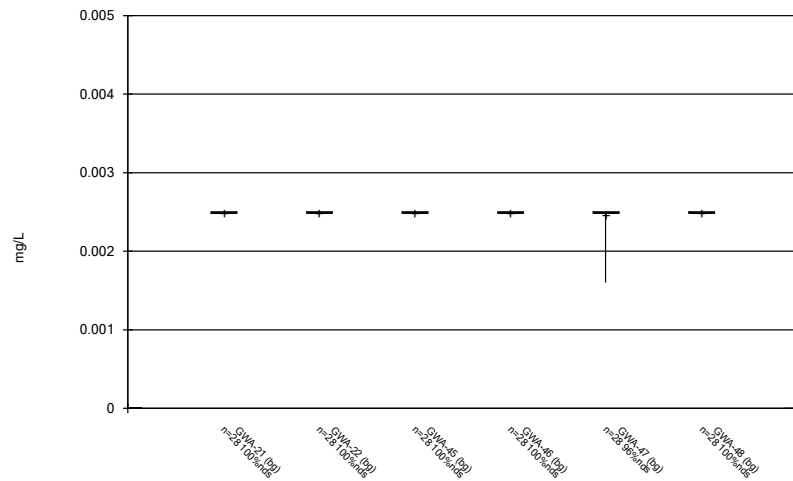
Constituent: Boron, total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



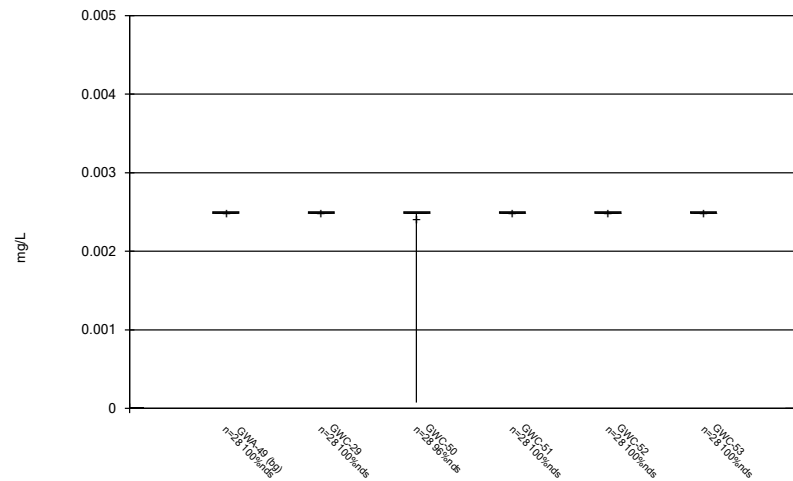
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



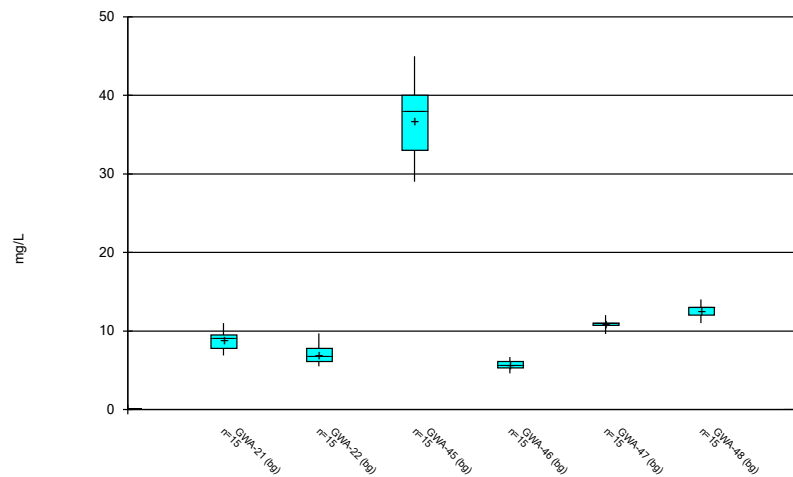
Constituent: Cadmium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



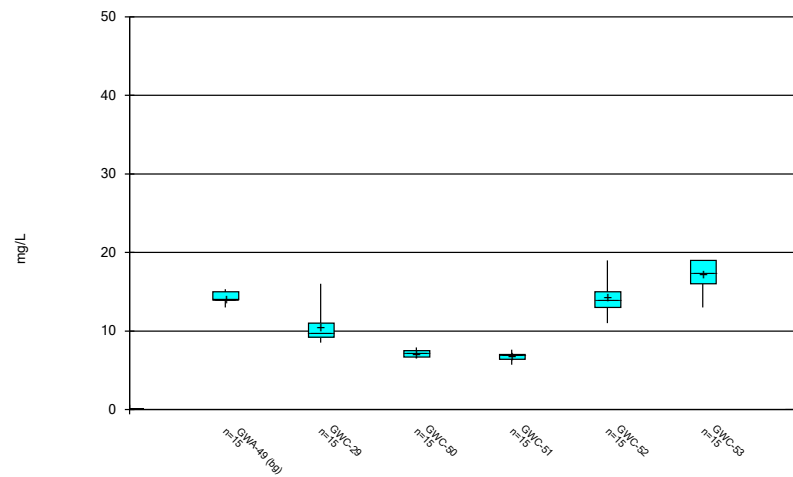
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



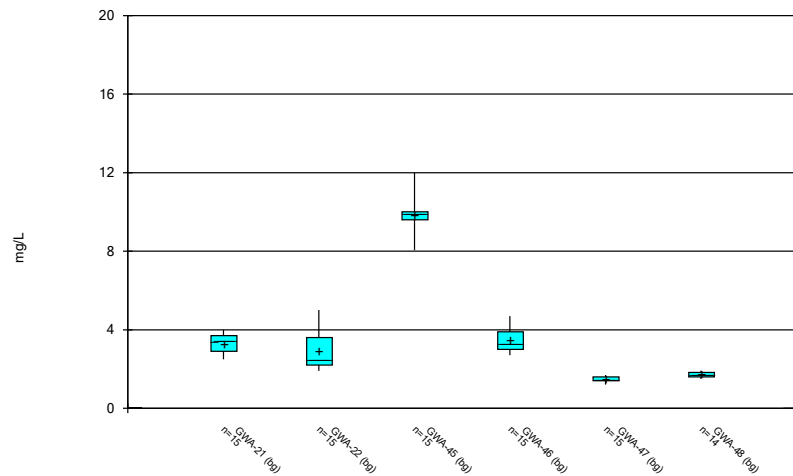
Constituent: Calcium, total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



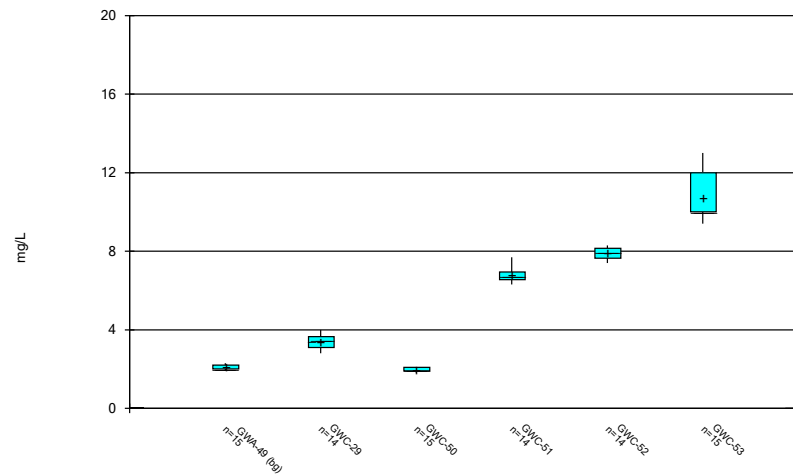
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



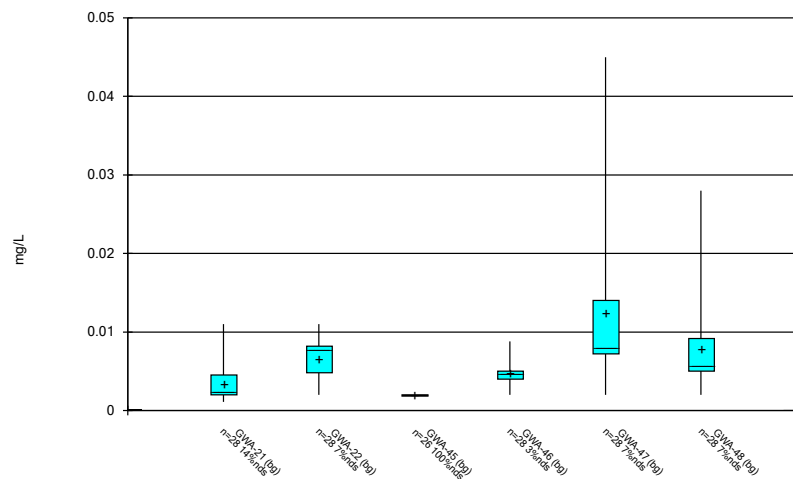
Constituent: Chloride, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



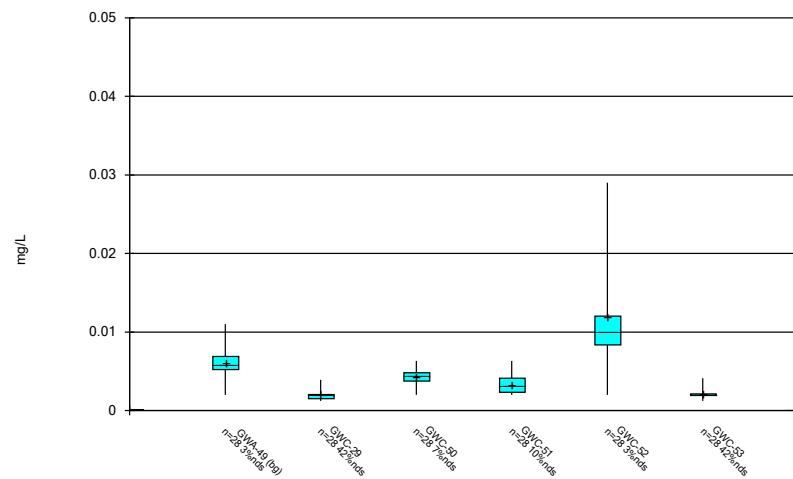
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



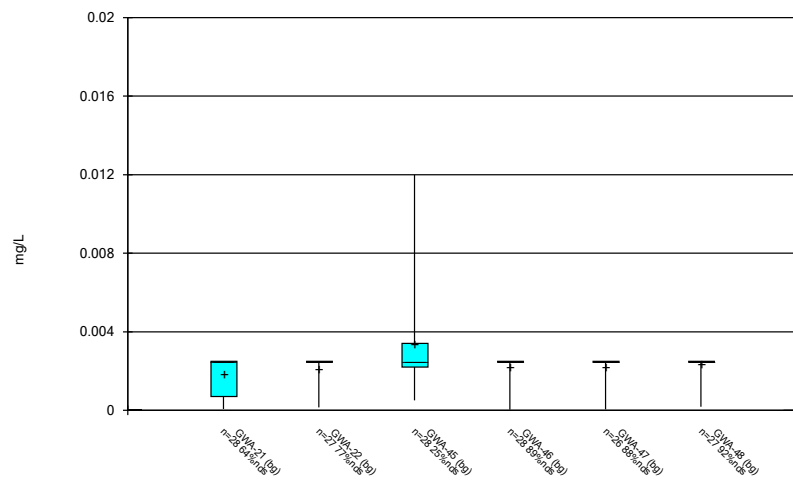
Constituent: Chromium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



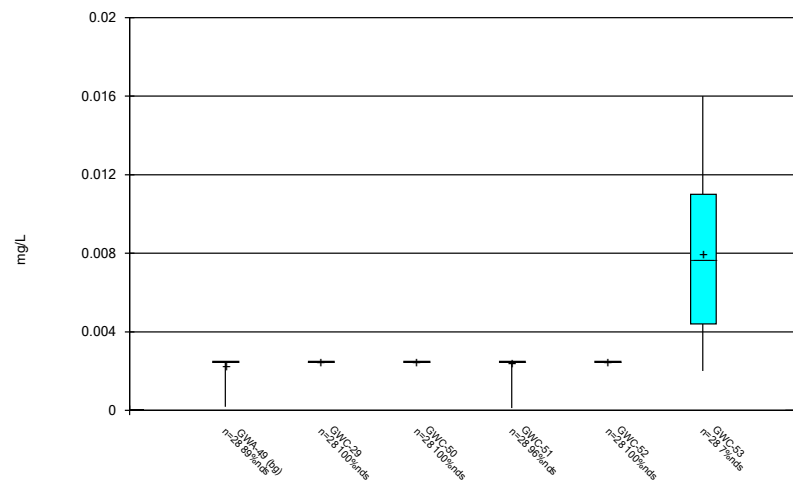
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



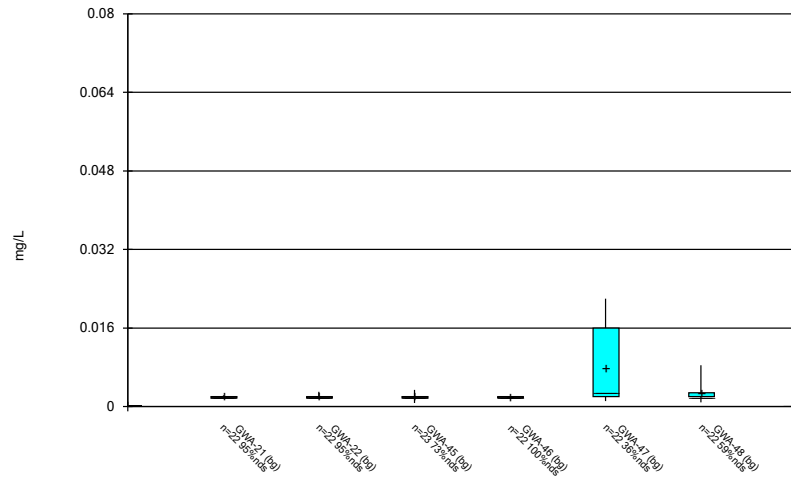
Constituent: Cobalt, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



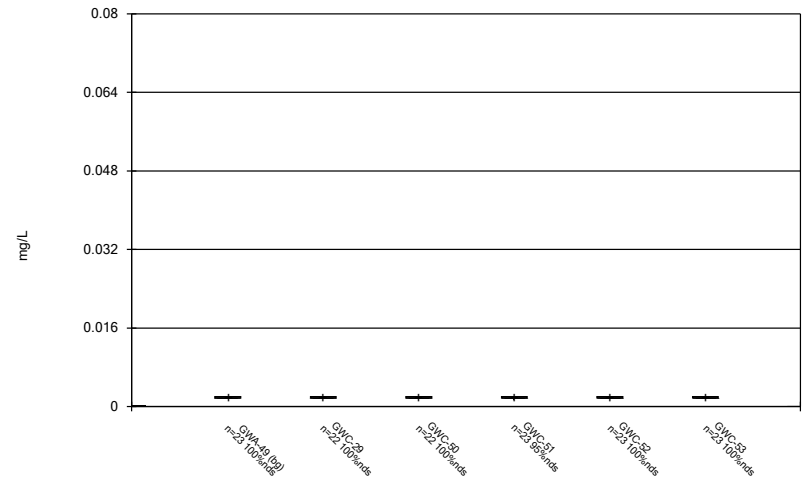
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



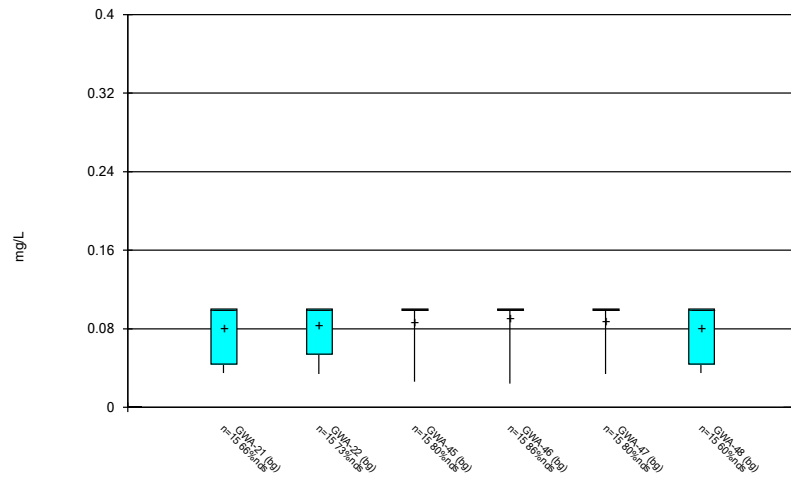
Constituent: Copper, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



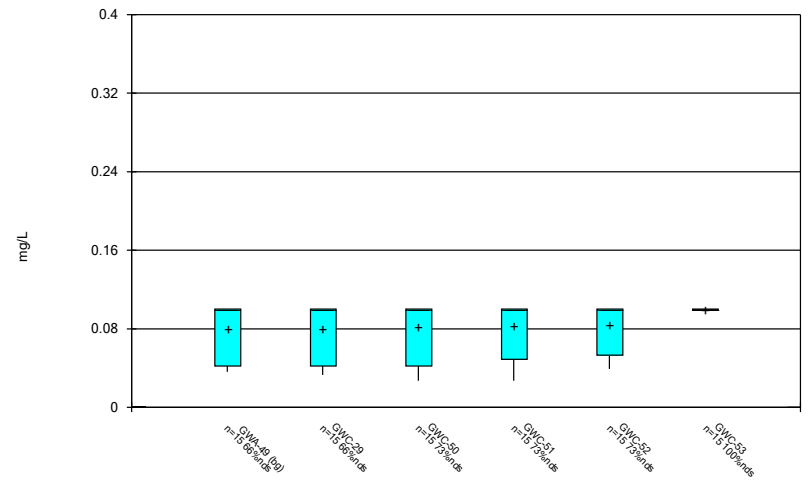
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



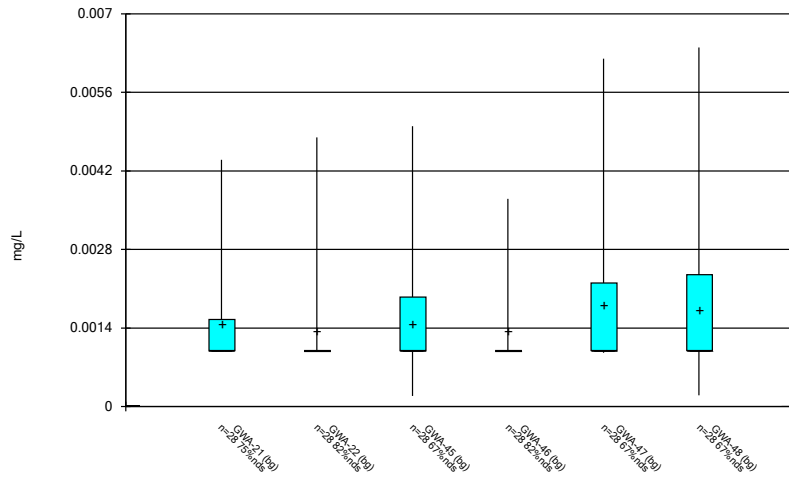
Constituent: Fluoride, total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



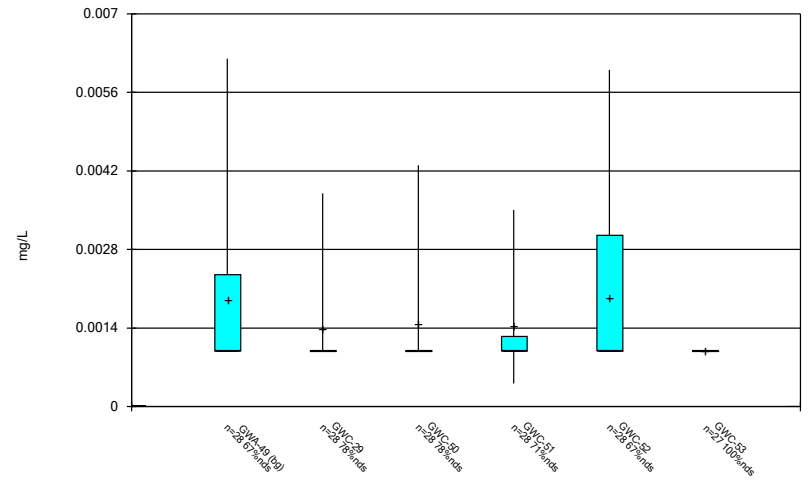
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



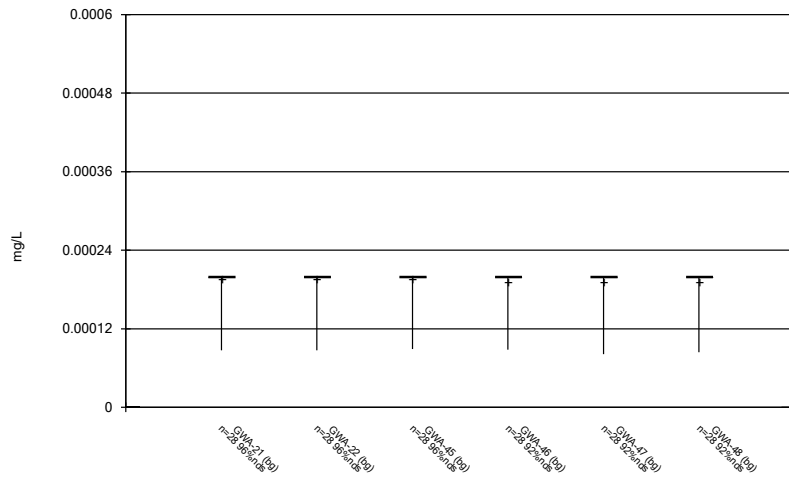
Constituent: Lead, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



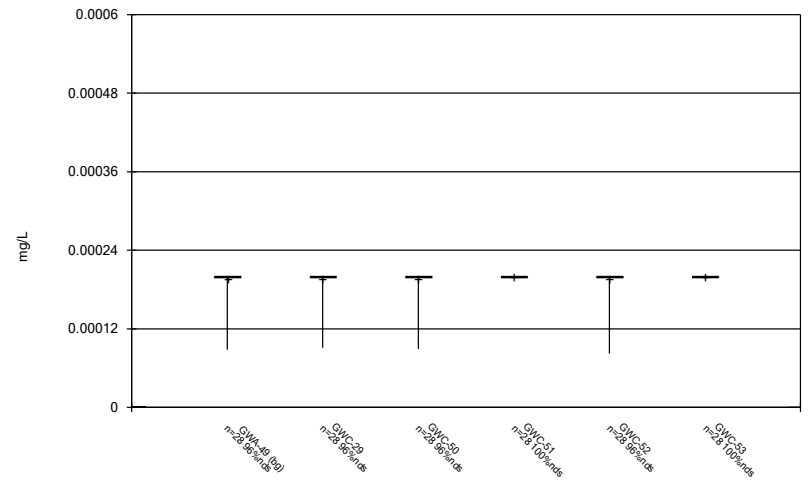
Constituent: Lead, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Mercury, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



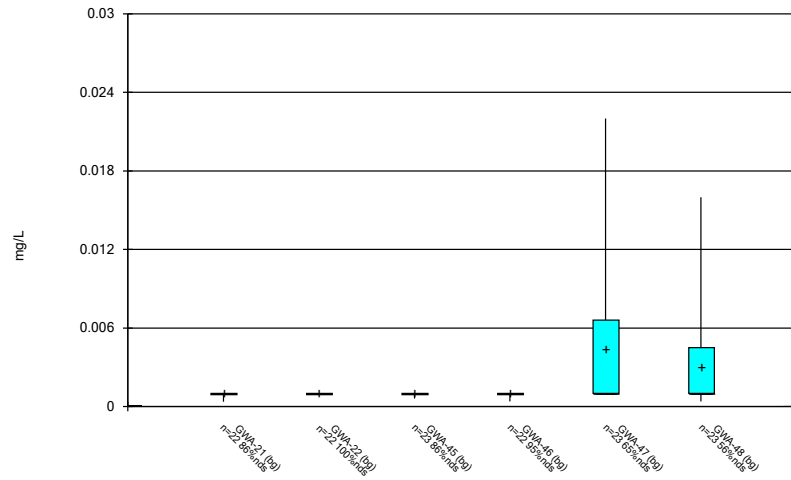
Constituent: Mercury, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

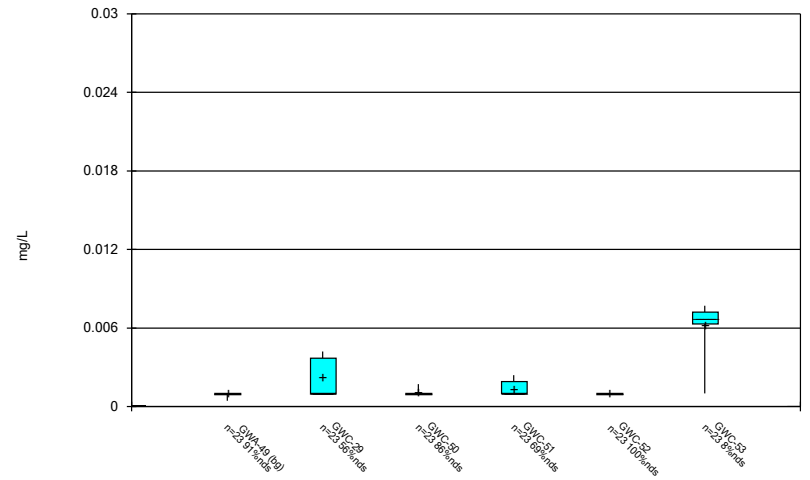
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Box & Whiskers Plot



Constituent: Nickel, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

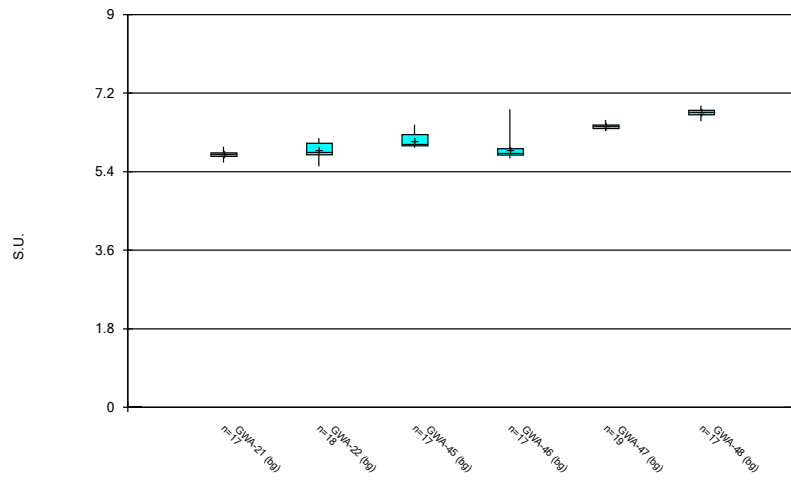
Box & Whiskers Plot



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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

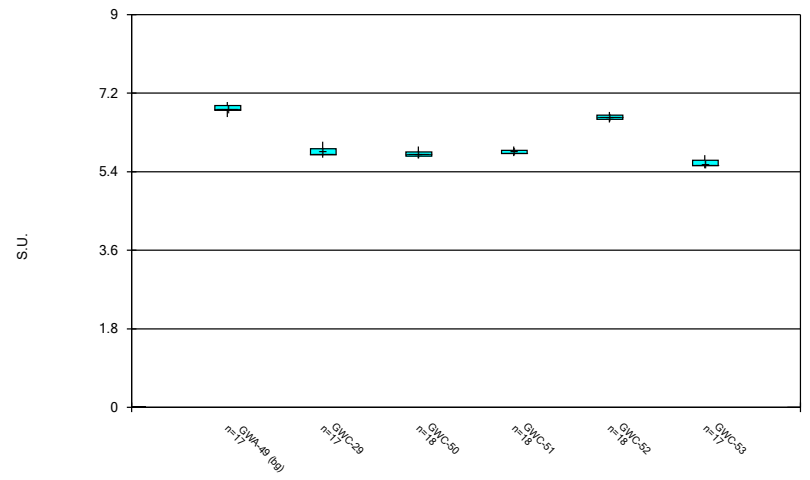
Box & Whiskers Plot



Constituent: pH Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

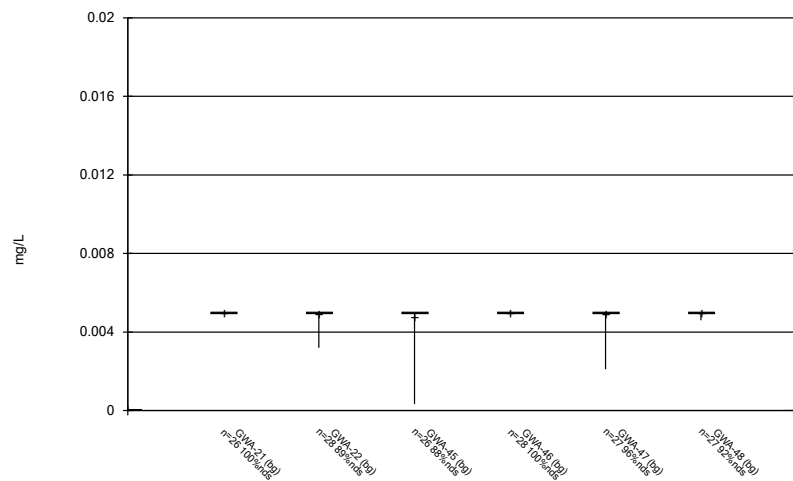
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Box & Whiskers Plot



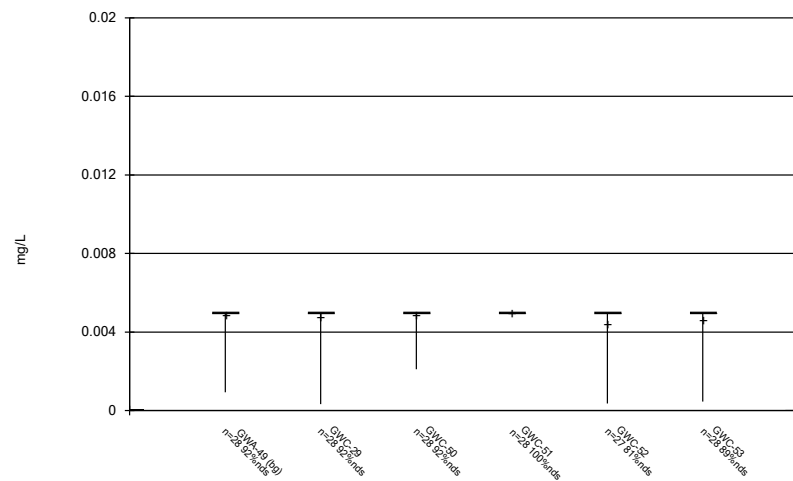
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



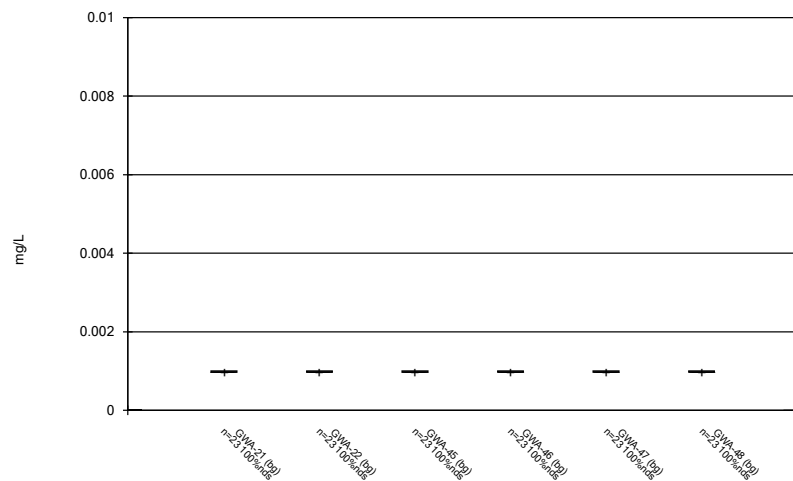
Constituent: Selenium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



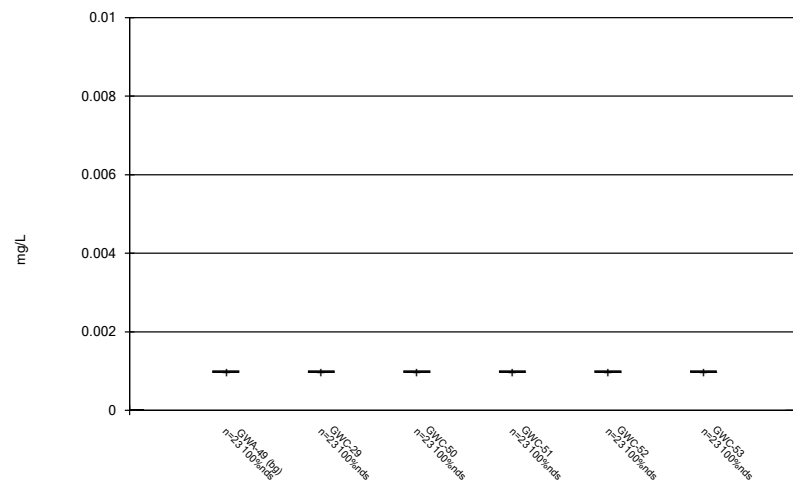
Constituent: Selenium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Silver, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

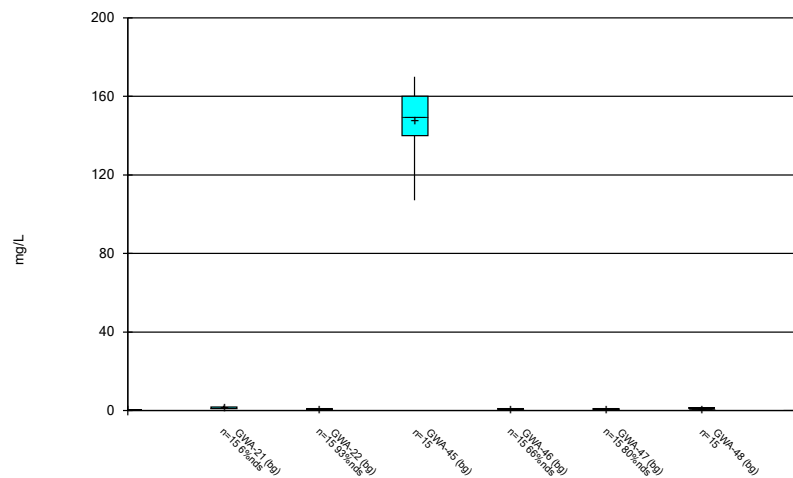
Box & Whiskers Plot



Constituent: Silver, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

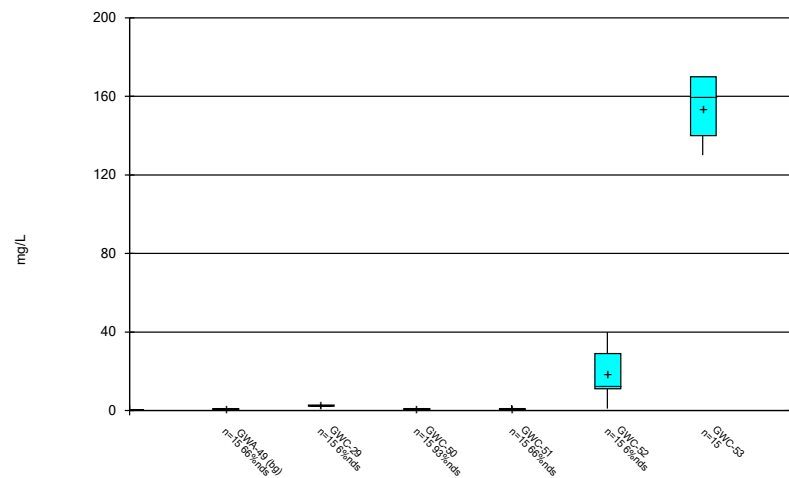


Box & Whiskers Plot



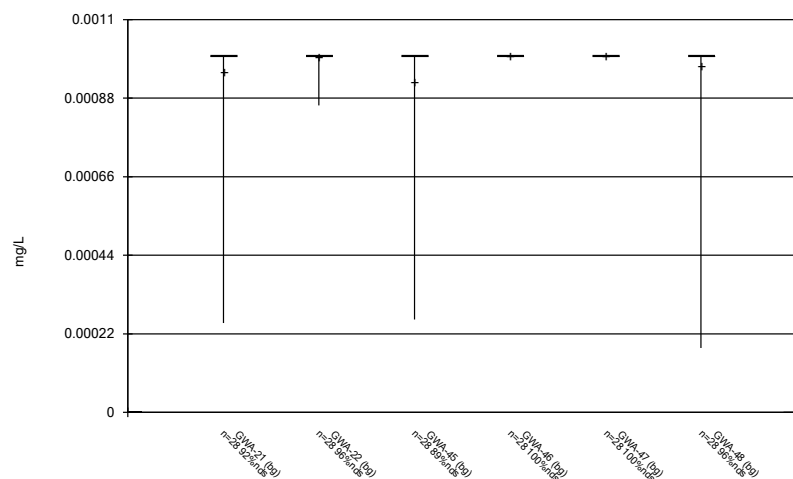
Constituent: Sulfate, total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



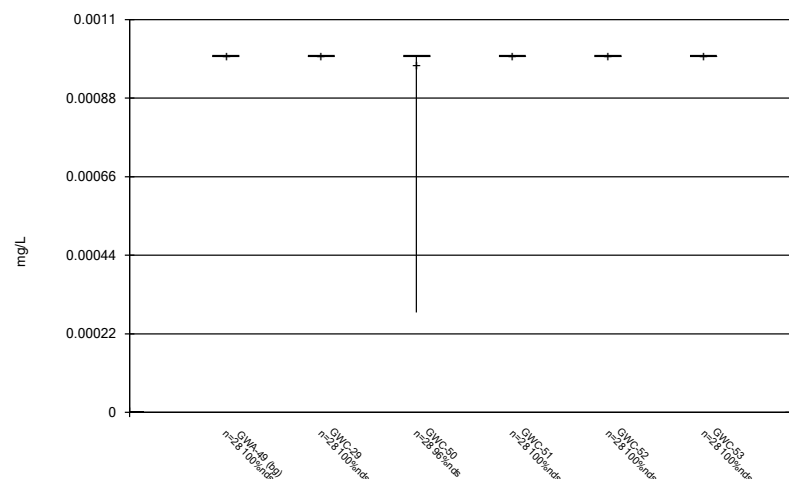
Constituent: Sulfate, total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



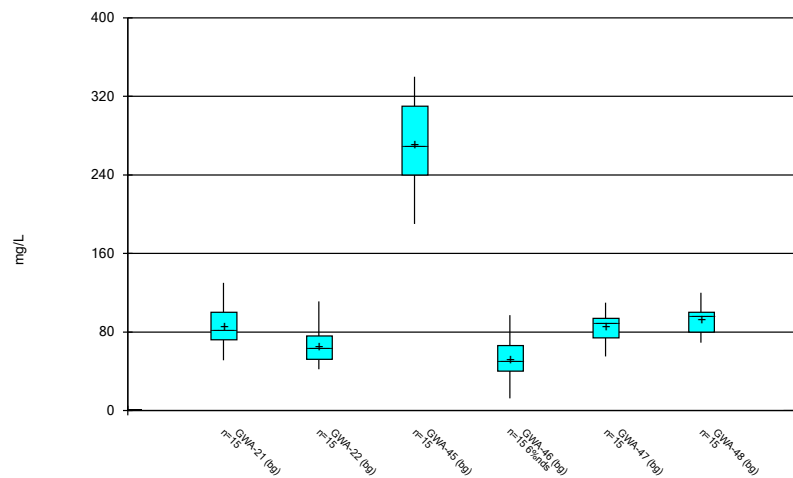
Constituent: Thallium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



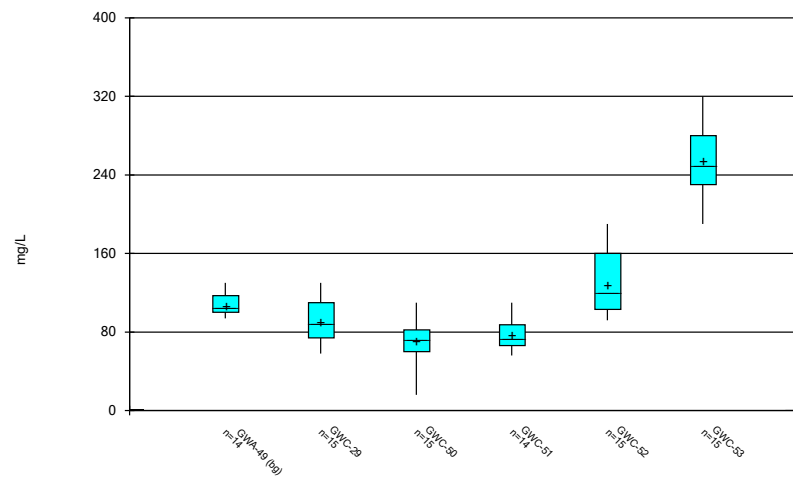
Constituent: Thallium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



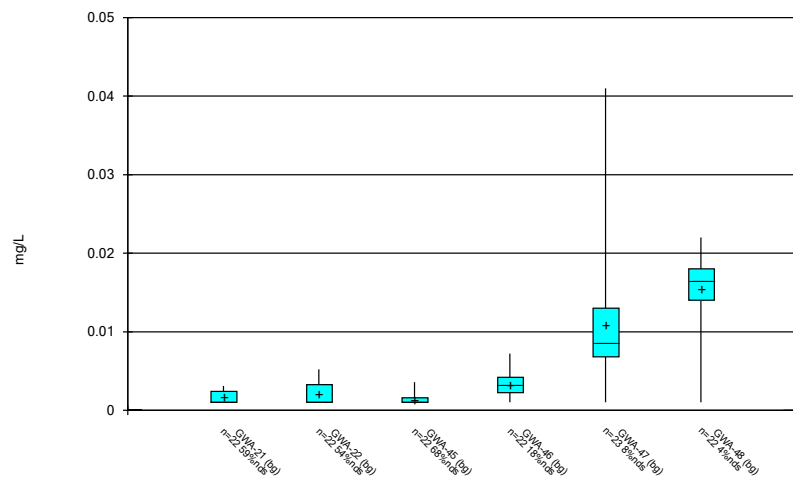
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



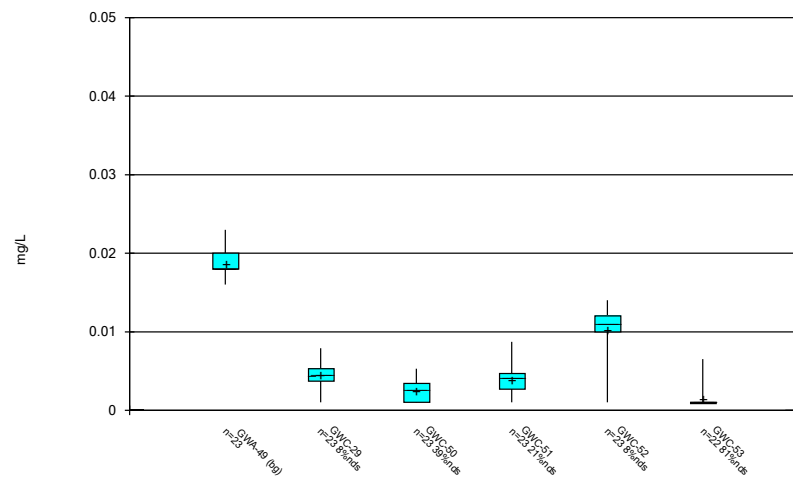
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



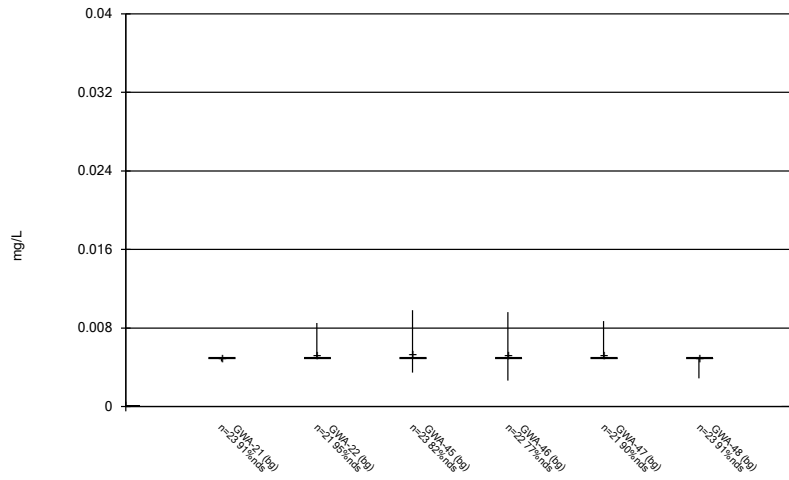
Constituent: Vanadium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



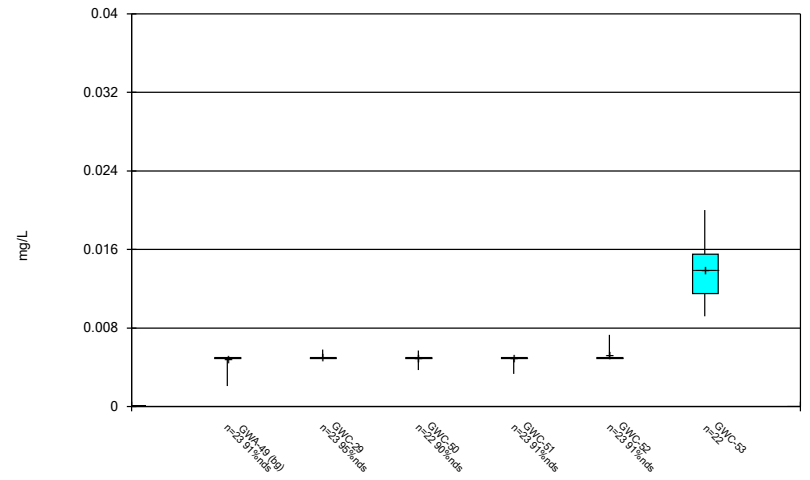
Constituent: Vanadium, Total Analysis Run 11/18/2020 12:49 PM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 11/18/2020 12:49 PM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

## FIGURE C.











FIGURE D.

## Intrawell Prediction Limits Summary (State) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 4:07 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	9/11/2020	0.15	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.02163	n/a	9/11/2020	0.022	Yes	23	0.01903	0.001165	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.0183	n/a	9/10/2020	0.02	Yes	24	0.01557	0.001235	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.0143	n/a	9/11/2020	0.017	Yes	24	0.0001239	0.000036470		None	x^2	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	9/11/2020	0.028	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Copper, Total (mg/L)	GWA-21	0.002	n/a	9/10/2020	0.0023	Yes	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0065	n/a	9/11/2020	0.0098	Yes	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limits Summary (State) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	9/11/2020	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02931	n/a	9/10/2020	0.023	No	23	0.02234	0.003125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.03053	n/a	9/10/2020	0.022	No	24	0.02464	0.002664	0	None	No	0.0007523	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.05701</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.15</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>	<b>Param Intra 1 of 2</b>
<b>Barium, Total (mg/L)</b>	<b>GWA-46</b>	<b>0.02163</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.022</b>	<b>Yes</b>	<b>23</b>	<b>0.01903</b>	<b>0.001165</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWA-47	0.04925	n/a	9/11/2020	0.026	No	23	0.3093	0.02571	0	None	x^(1/3)	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	9/11/2020	0.013	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02221	n/a	9/10/2020	0.02	No	24	0.01917	0.001375	0	None	No	0.0007523	Param Intra 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0183</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.02</b>	<b>Yes</b>	<b>24</b>	<b>0.01557</b>	<b>0.001235</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>
Barium, Total (mg/L)	GWC-50	0.01413	n/a	9/10/2020	0.013	No	24	0.01153	0.001179	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.013	n/a	9/11/2020	0.01	No	24	n/a	n/a	4.167	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0143</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.017</b>	<b>Yes</b>	<b>24</b>	<b>0.0001239</b>	<b>0.000036470</b>	<b>None</b>	<b>x^2</b>	<b>0.0007523</b>	<b>Param Intra 1 of 2</b>	
Barium, Total (mg/L)	GWC-53	0.1175	n/a	9/11/2020	0.044	No	24	-2.78	0.2886	8.333	None	ln(x)	0.0007523	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	9/10/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.009003	n/a	9/10/2020	0.0019J	No	24	0.05569	0.01773	16.67	Kaplan-Meier	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01119	n/a	9/10/2020	0.0077	No	24	0.006342	0.002193	8.333	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.008101	n/a	9/11/2020	0.0042	No	24	-5.349	0.2412	4.167	None	ln(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	9/11/2020	0.0081	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	9/11/2020	0.0053	No	24	n/a	n/a	8.333	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009446	n/a	9/10/2020	0.0063	No	24	0.07821	0.008586	4.167	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	n/a	9/10/2020	0.0047	No	24	0.004458	0.0008549	8.333	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005917	n/a	9/11/2020	0.0041	No	24	0.003479	0.001103	12.5	None	No	0.0007523	Param Intra 1 of 2
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.01533</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.028</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>	<b>Param Intra 1 of 2</b>
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	9/11/2020	0.0023	No	24	n/a	n/a	41.67	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	9/10/2020	0.00019J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	9/10/2020	0.00014J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01271	n/a	9/11/2020	0.0035	No	24	-5.768	0.6346	29.17	Kaplan-Meier	ln(x)	0.0007523	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	9/11/2020	0.0025ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	n/a	9/11/2020	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	9/10/2020	0.0002J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.0025ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01696	n/a	9/11/2020	0.002J	No	24	0.008567	0.003795	8.333	None	No	0.0007523	Param Intra 1 of 2
<b>Copper, Total (mg/L)</b>	<b>GWA-21</b>	<b>0.002</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>0.0023</b>	<b>Yes</b>	<b>18</b>	<b>n/a</b>	<b>n/a</b>	<b>100</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005373</b>	<b>NP Intra (NDs) 1 of 2</b>
Copper, Total (mg/L)	GWA-22	0.003	n/a	9/10/2020	0.002ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	n/a	9/11/2020	0.002	No	19	n/a	n/a	78.95	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	n/a	9/11/2020	0.002ND	No	18	n/a	n/a	27.78	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	n/a	9/11/2020	0.002ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	n/a	9/11/2020	0.0013J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0044	n/a	9/10/2020	0.0022	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.0048	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.005	n/a	9/11/2020	0.0016	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-46	0.0037	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.0062	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.0064	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	66.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-49	0.0062	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-29	0.0038	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-50	0.0043	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	75	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0035	n/a	9/11/2020	0.0015	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-52	0.006	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	62.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

## Intrawell Prediction Limits Summary (State) - All Results

Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/12/2020, 4:07 PM

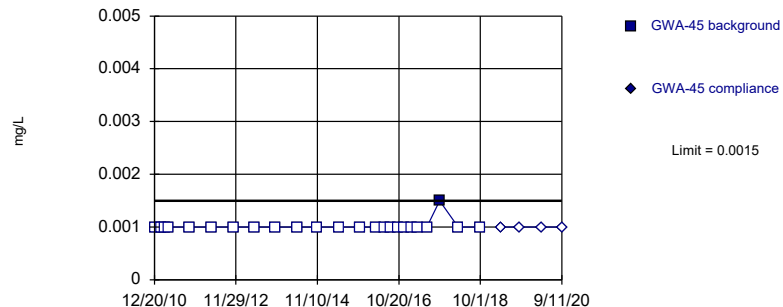
Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	9/10/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	9/11/2020	0.0002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	9/10/2020	0.00095J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	9/11/2020	0.001	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	9/11/2020	0.001ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	9/11/2020	0.001ND	No	19	n/a	n/a	57.89	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	9/11/2020	0.001ND	No	19	n/a	n/a	52.63	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	9/10/2020	0.00062J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	9/10/2020	0.0035	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	9/10/2020	0.0017	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	9/11/2020	0.002	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008367	n/a	9/11/2020	0.0074	No	19	0.006747	0.0007019	10.53	None	No	0.0007523	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	9/11/2020	0.005ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	9/10/2020	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	9/11/2020	0.005ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	9/11/2020	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	n/a	9/11/2020	0.001ND	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	9/10/2020	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0028	n/a	9/10/2020	0.0027	No	19	n/a	n/a	68.42	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	9/10/2020	0.0025	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	9/11/2020	0.0015	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.005883	n/a	9/11/2020	0.0026	No	18	0.003403	0.001061	22.22	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.03375	n/a	9/11/2020	0.007	No	19	0.1031	0.03492	10.53	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02239	n/a	9/11/2020	0.017	No	18	0.01494	0.003186	5.556	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.0226	n/a	9/10/2020	0.018	No	19	0.01838	0.00183	0	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.006829	n/a	9/10/2020	0.0049	No	19	0.00459	0.0009702	10.53	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.0044	n/a	9/10/2020	0.0026	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.006553	n/a	9/11/2020	0.0042	No	19	0.004314	0.0009703	26.32	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01405	n/a	9/11/2020	0.0099	No	19	0.01127	0.001205	10.53	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	9/11/2020	0.001ND	No	18	n/a	n/a	83.33	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	9/10/2020	0.0048J	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.005	n/a	9/10/2020	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
<b>Zinc, Total (mg/L)</b>	<b>GWA-45</b>	<b>0.0065</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>0.0098</b>	<b>Yes</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>	<b>94.74</b>	<b>n/a</b>	<b>n/a</b>	<b>0.004832</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	9/11/2020	0.0038J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	9/11/2020	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	9/10/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.005	n/a	9/10/2020	0.005ND	No	19	n/a	n/a	100	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.005	n/a	9/10/2020	0.005ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0065	n/a	9/11/2020	0.005ND	No	19	n/a	n/a	94.74	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02007	n/a	9/11/2020	0.014	No	18	0.01363	0.002756	0	None	No	0.0007523	Param Intra 1 of 2

**PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



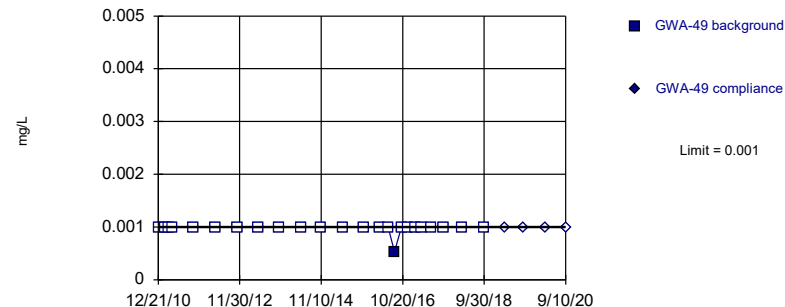
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



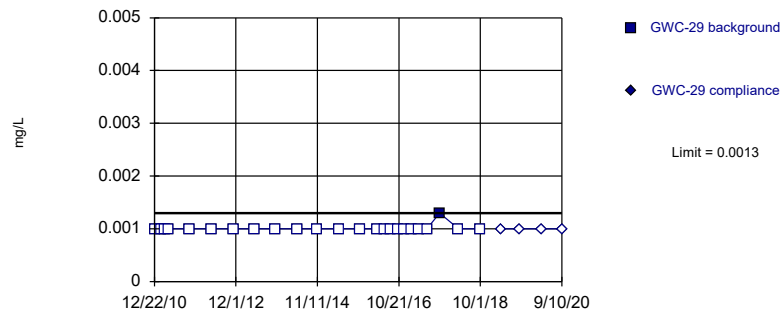
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



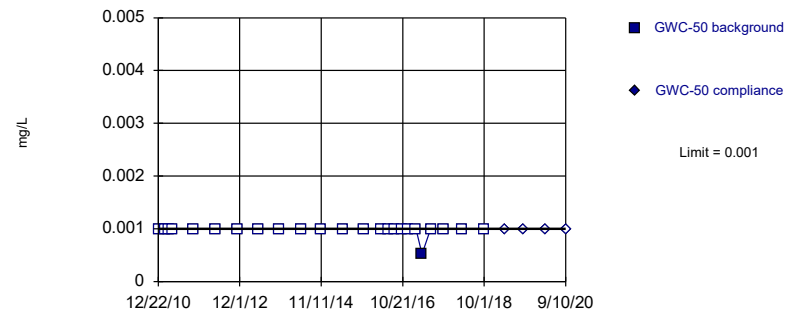
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Arsenic, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

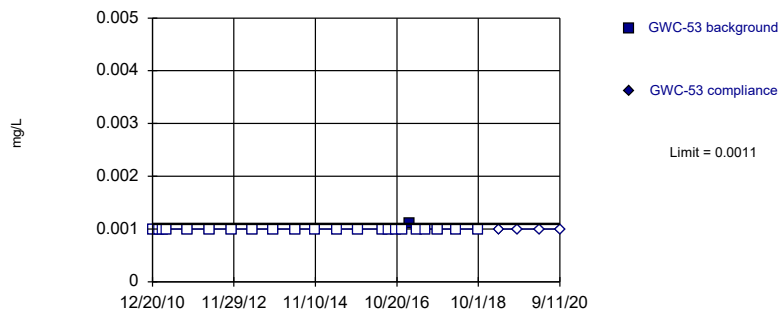
Constituent: Arsenic, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



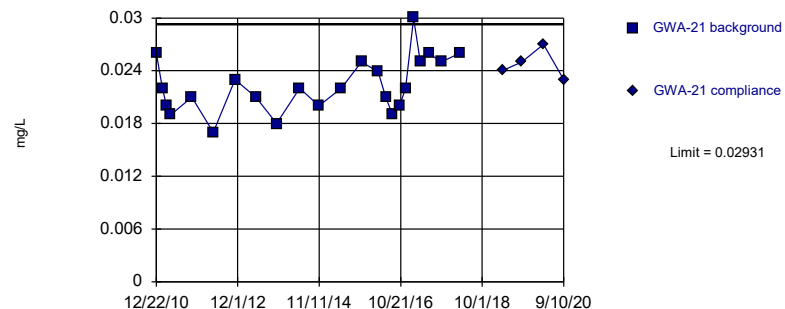
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



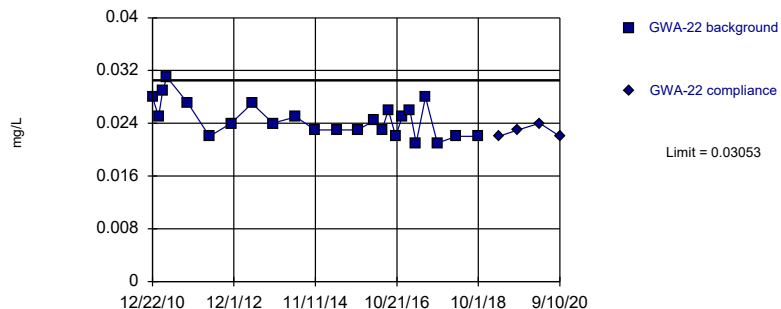
Background Data Summary: Mean=0.02234, Std. Dev.=0.003125, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9634, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



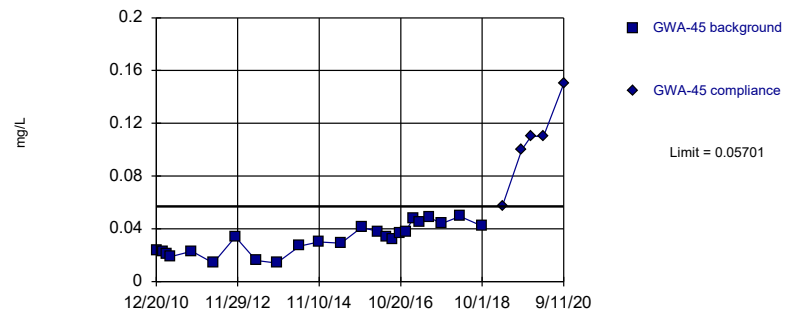
Background Data Summary: Mean=0.02464, Std. Dev.=0.002664, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9447, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

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 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

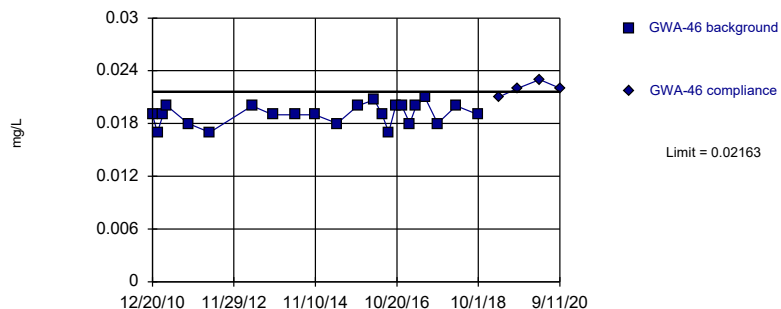
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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric

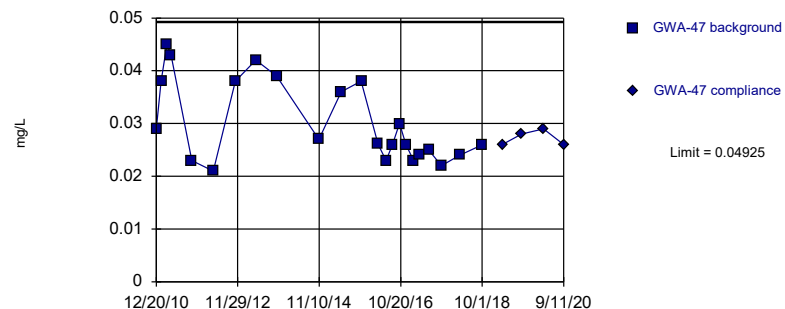


Background Data Summary: Mean=0.01903, Std. Dev.=0.001165, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

**Prediction Limit**  
Intrawell Parametric



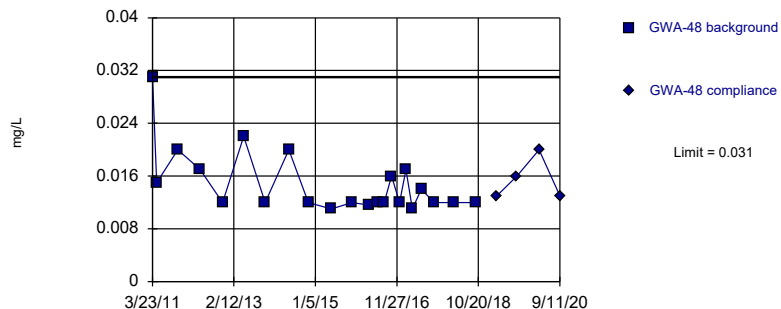
Background Data Summary (based on cube root transformation): Mean=0.3093, Std. Dev.=0.02571, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8825, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



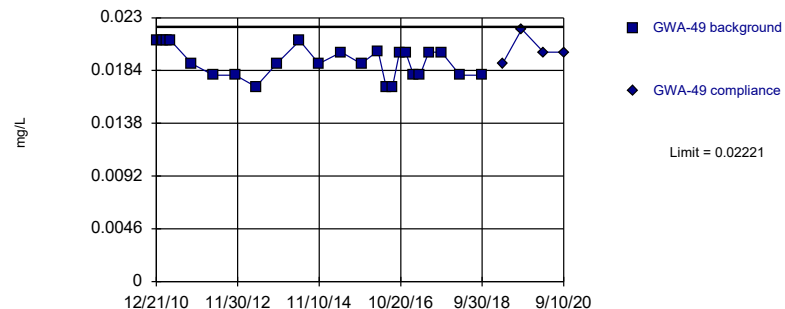
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=0.01917, Std. Dev.=0.001375, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8973, 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 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

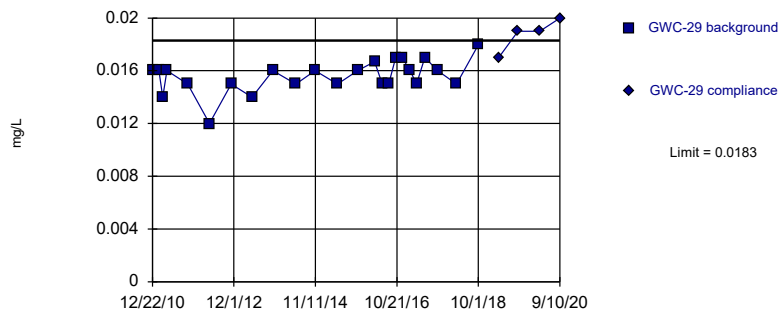
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Exceeds Limit

**Prediction Limit**  
Intrawell Parametric

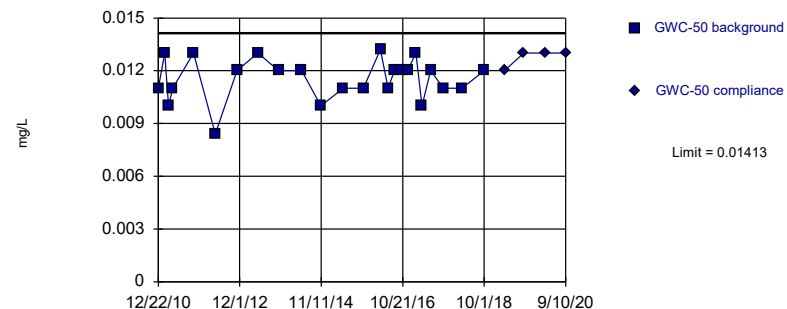


Background Data Summary: Mean=0.01557, Std. Dev.=0.001235, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9152, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

**Prediction Limit**  
Intrawell Parametric



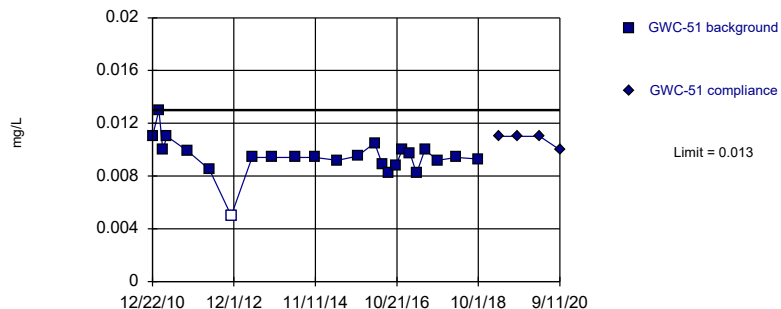
Background Data Summary: Mean=0.01153, Std. Dev.=0.001179, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.91, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



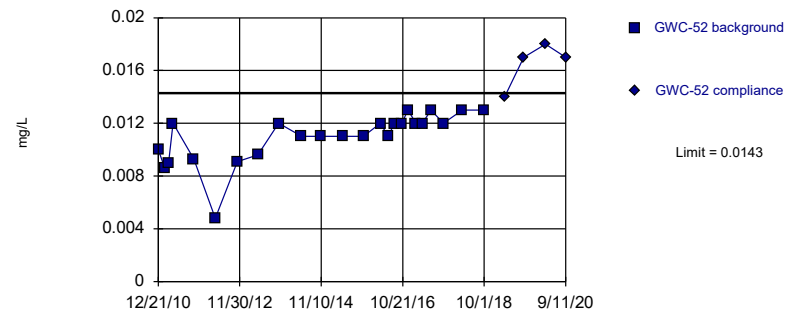
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.0001239, Std. Dev.=0.00003647, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, 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 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

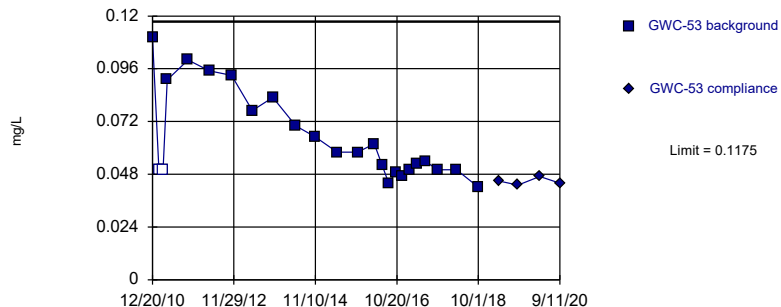


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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



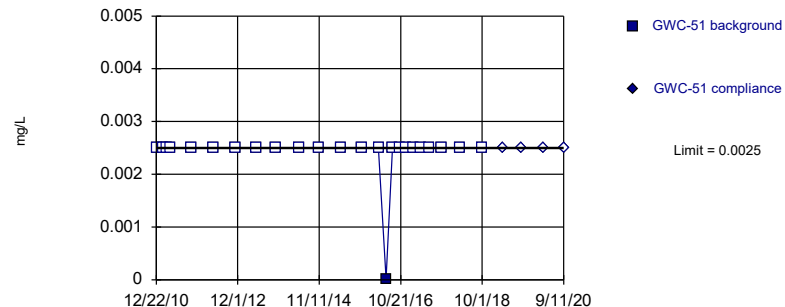
Background Data Summary (based on natural log transformation): Mean=-2.78, Std. Dev.=0.2886, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



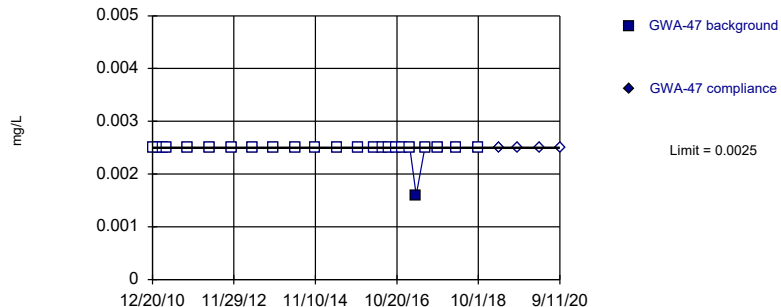
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Beryllium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



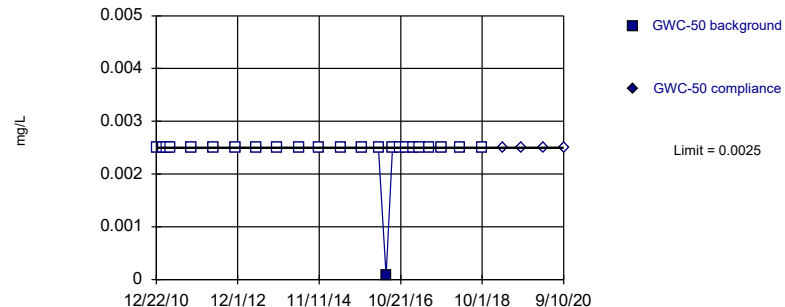
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cadmium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

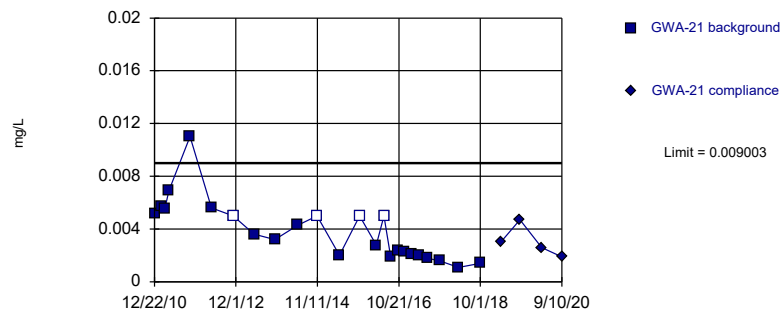
Constituent: Cadmium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



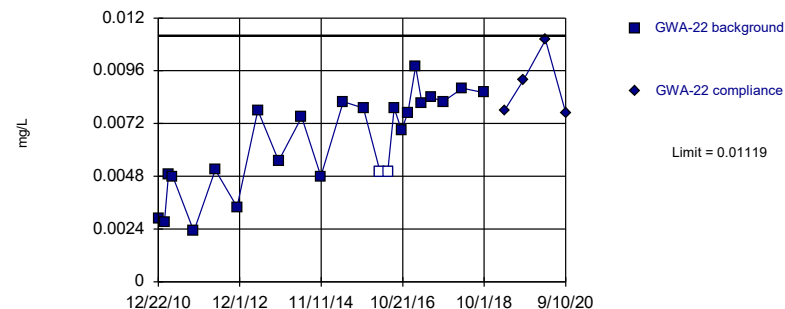
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05569, Std. Dev.=0.01773, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



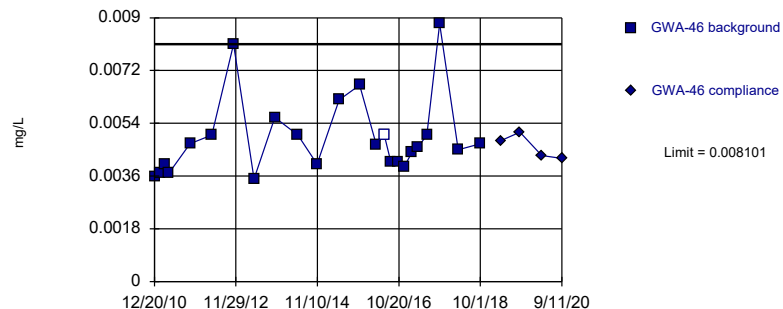
Background Data Summary: Mean=0.006342, Std. Dev.=0.002193, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



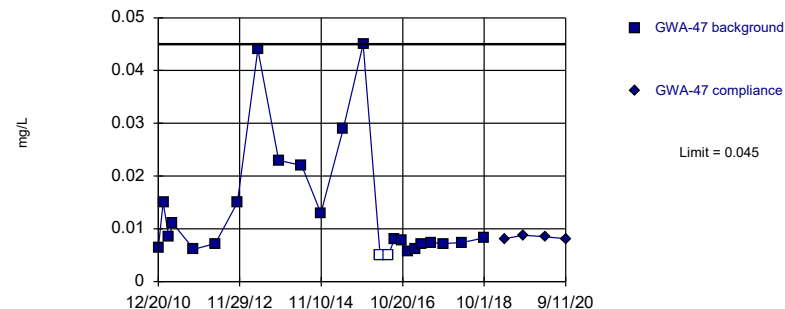
Background Data Summary (based on natural log transformation): Mean=-5.349, Std. Dev.=0.2412, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8955, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 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. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

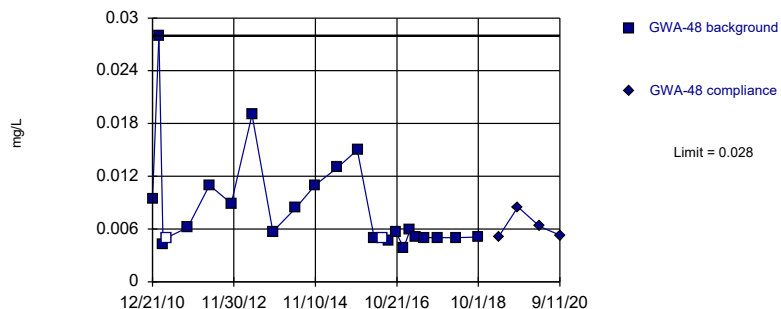
Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



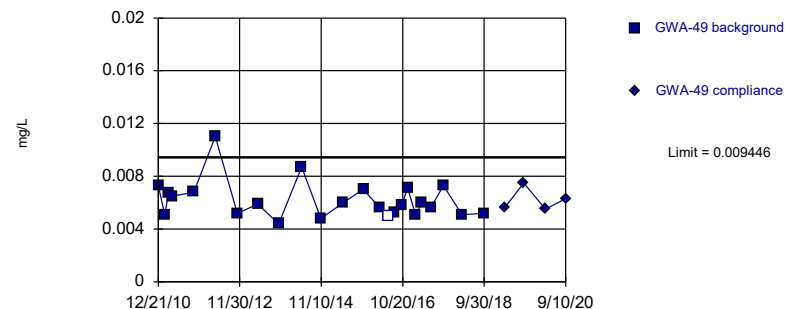
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



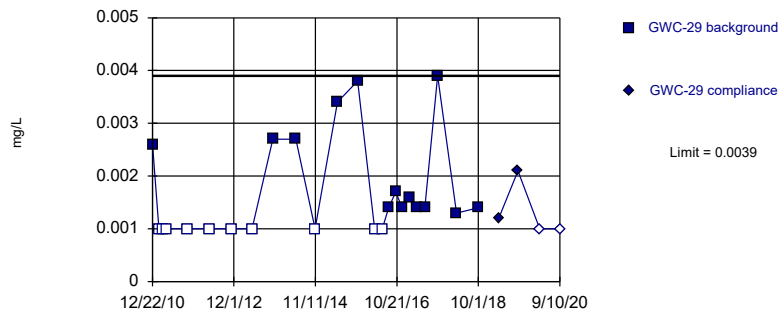
Background Data Summary (based on square root transformation): Mean=0.007821, Std. Dev.=0.008586, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



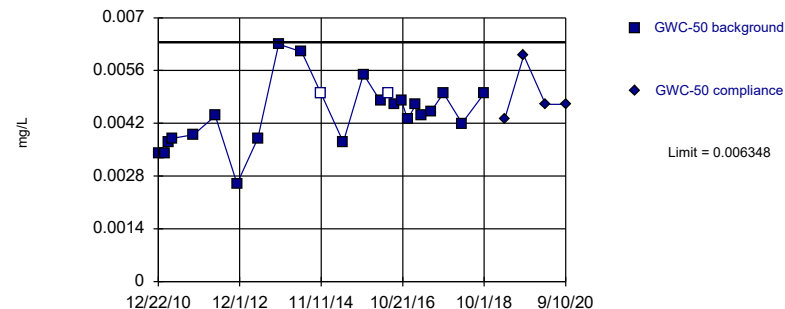
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=0.004458, Std. Dev.=0.0008549, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9742, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

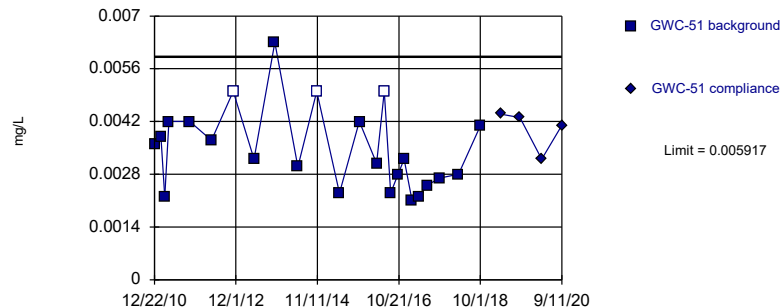
Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



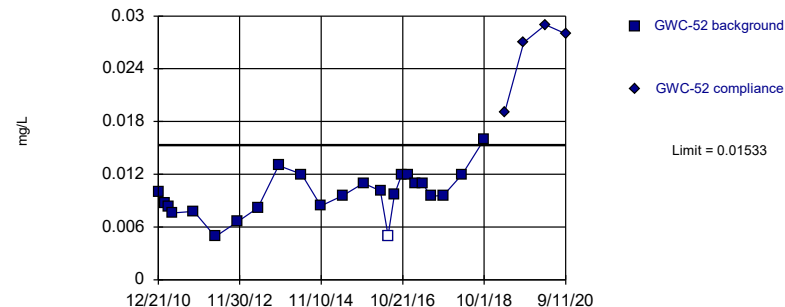
Background Data Summary: Mean=0.003479, Std. Dev.=0.001103, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric



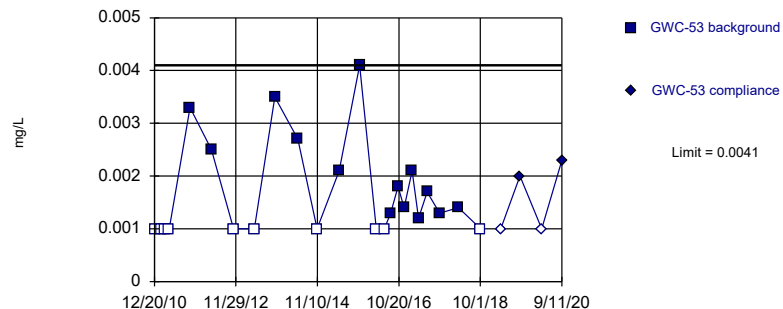
Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



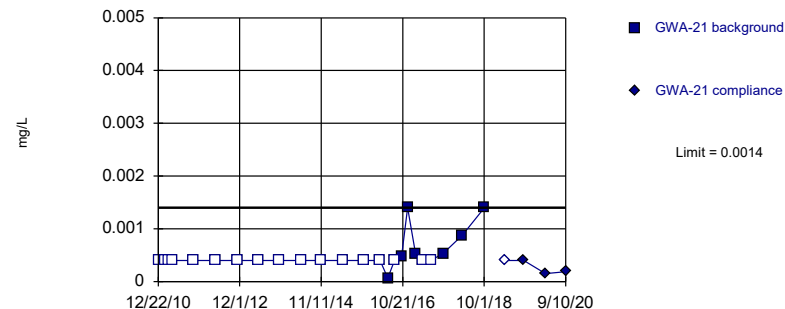
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Chromium, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

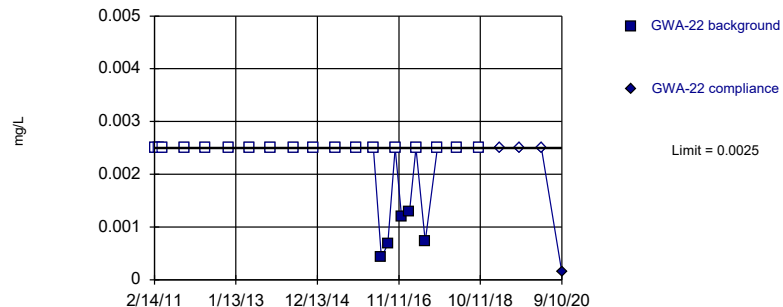
Constituent: Cobalt, Total Analysis Run 11/12/2020 3:59 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



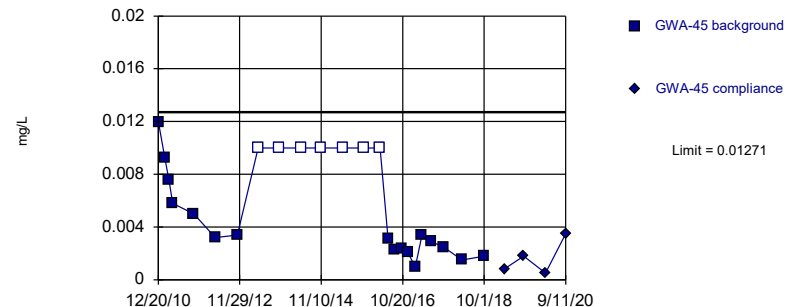
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



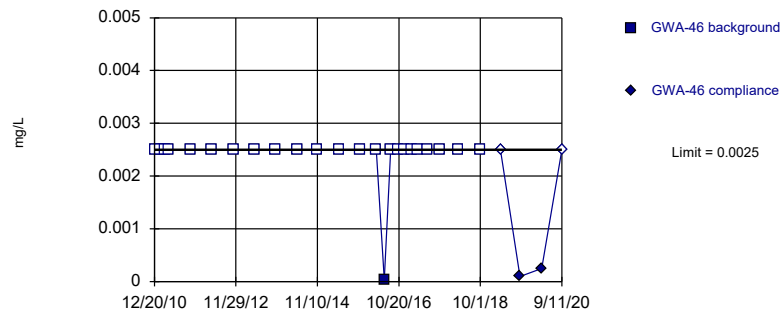
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.768, Std. Dev.=0.6346, n=24, 29.17% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



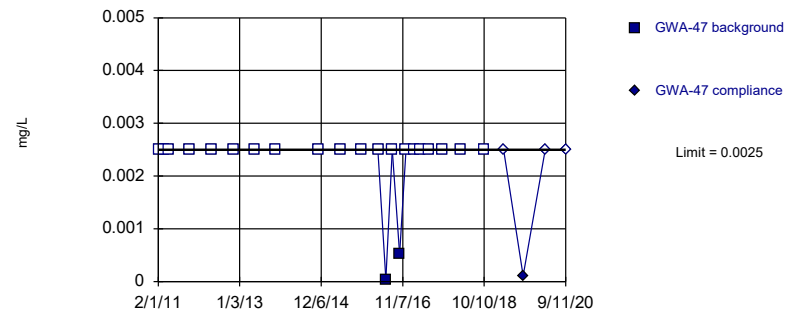
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

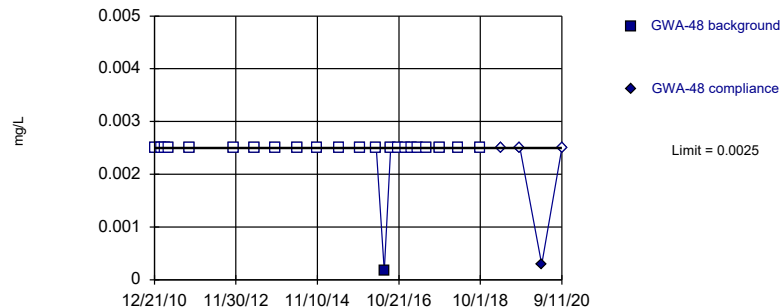
Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



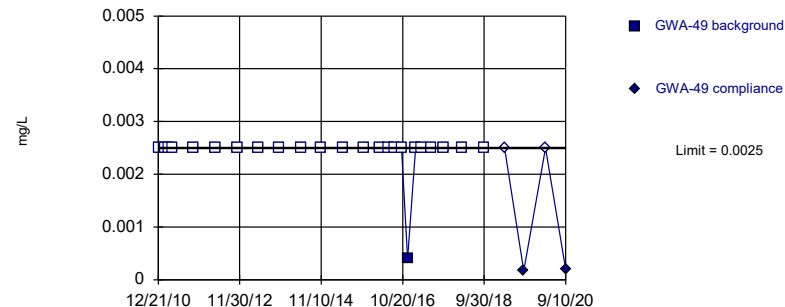
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



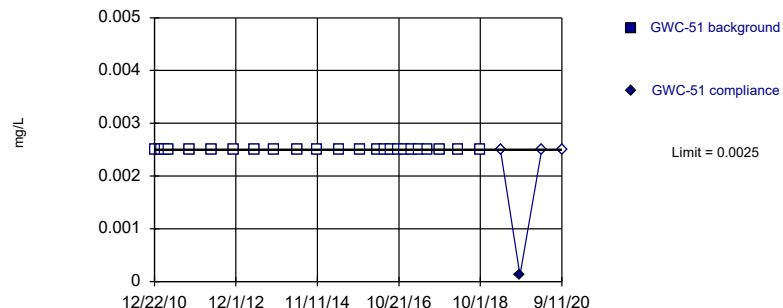
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



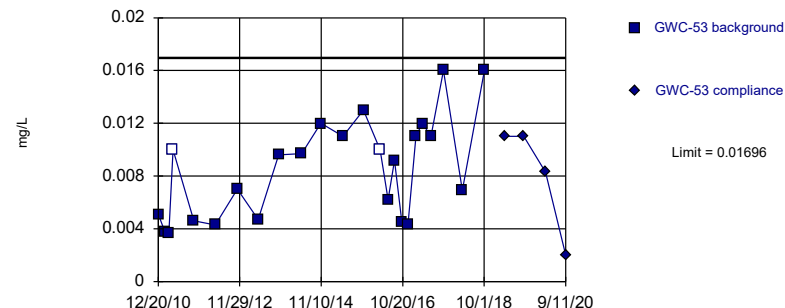
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=0.008567, Std. Dev.=0.003795, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

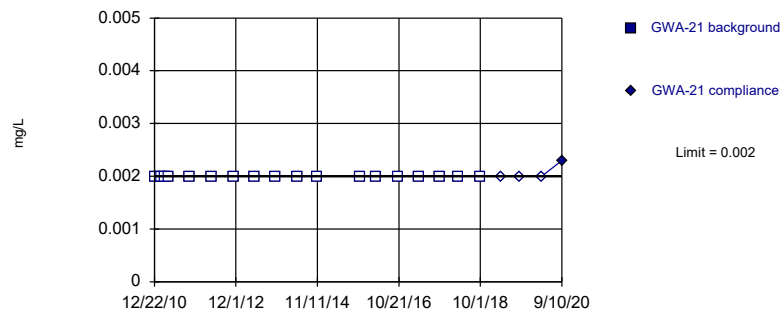
Constituent: Cobalt, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



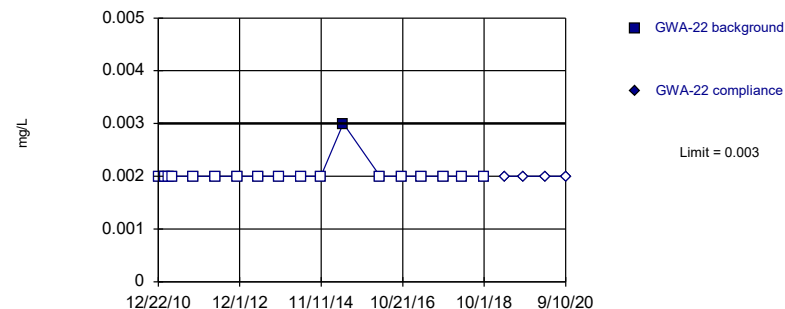
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



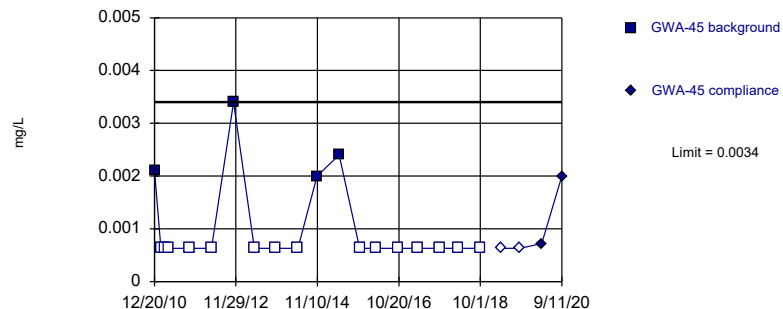
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



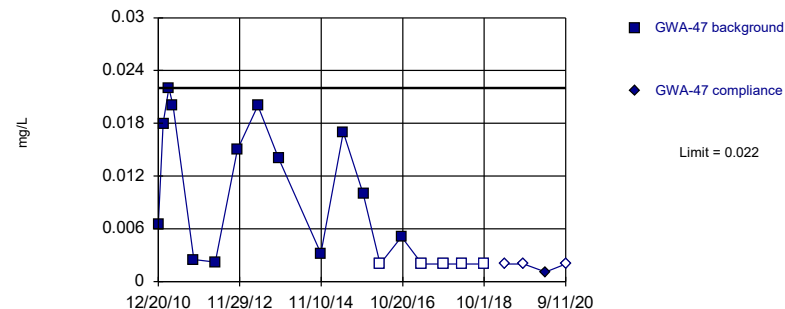
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. 27.78% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

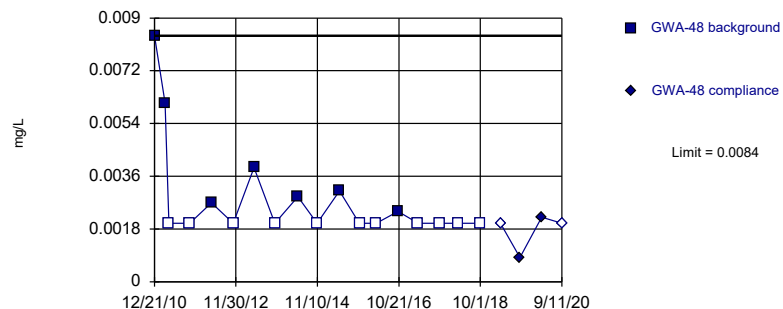
Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



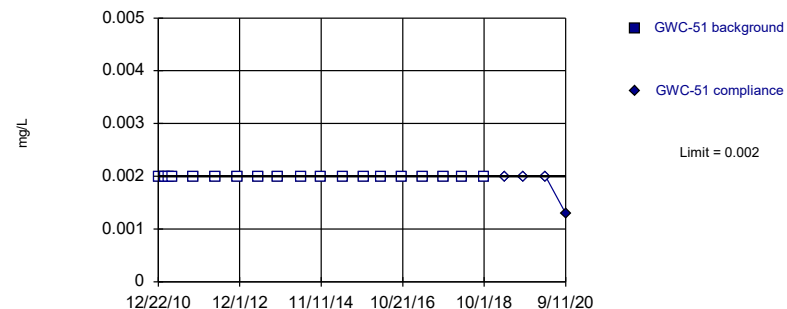
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 61.11% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



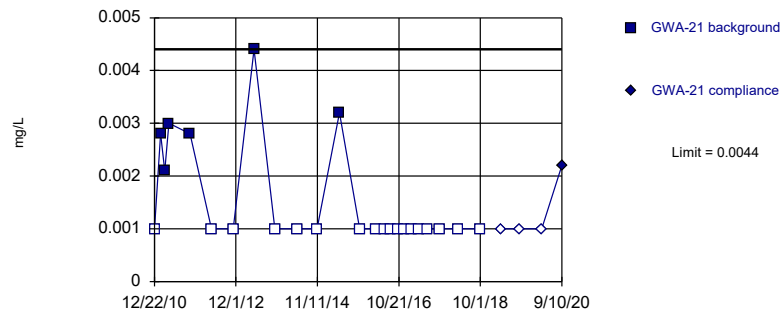
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



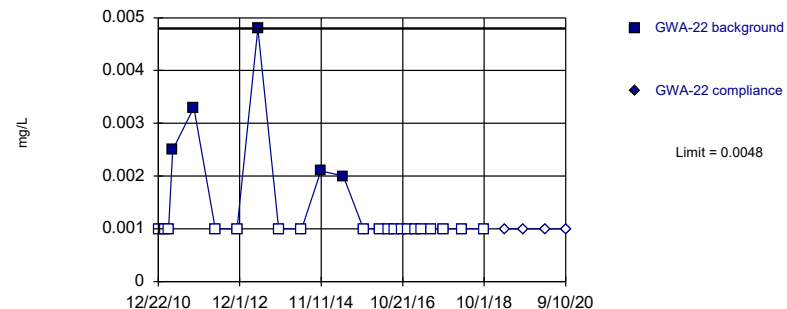
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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: Lead, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

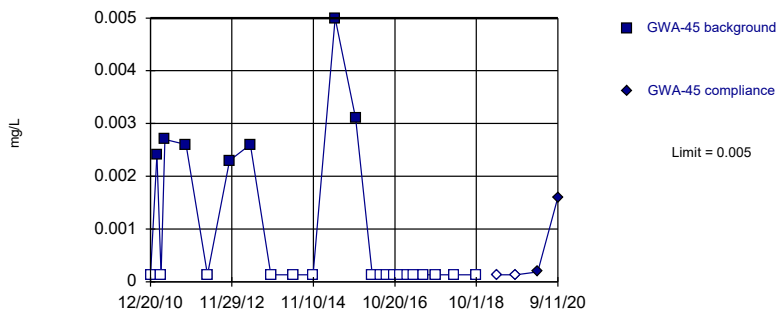


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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



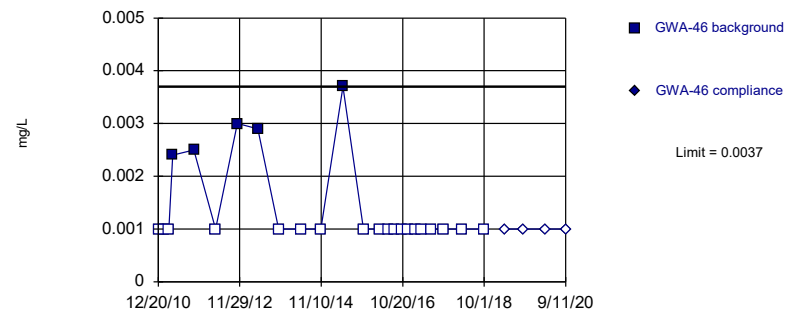
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



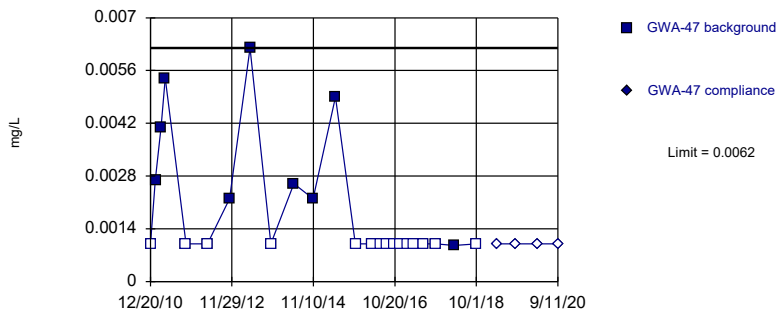
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



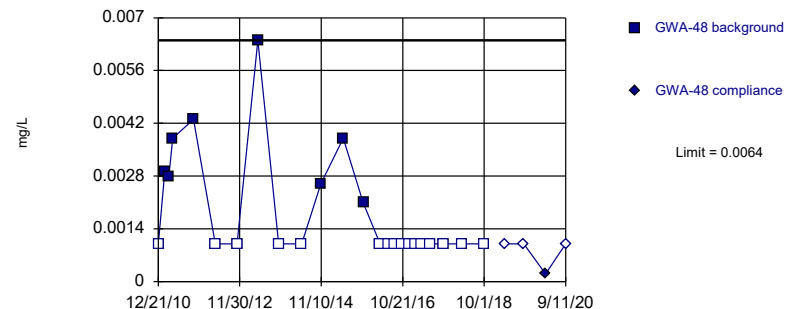
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 66.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

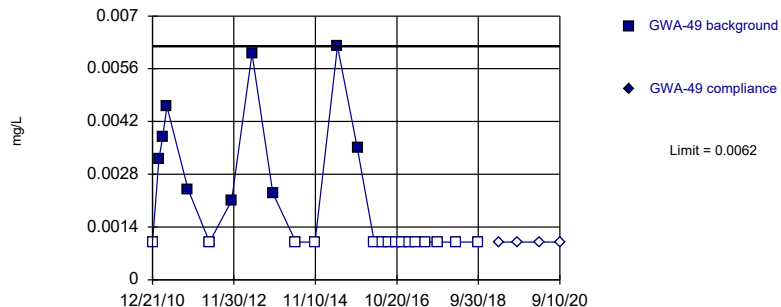
Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



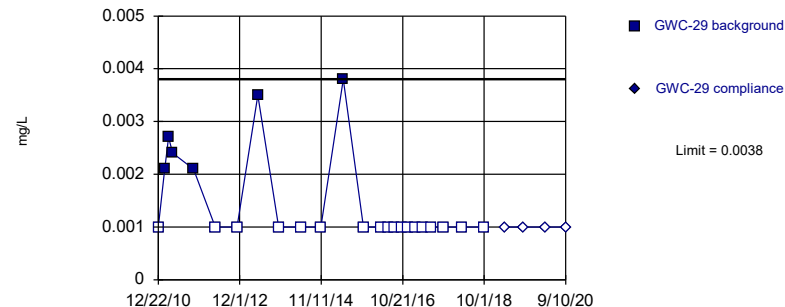
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



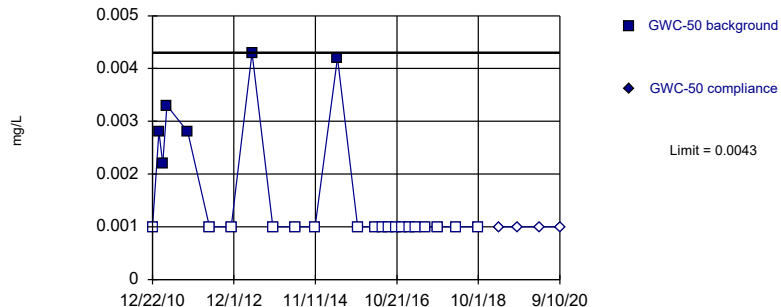
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



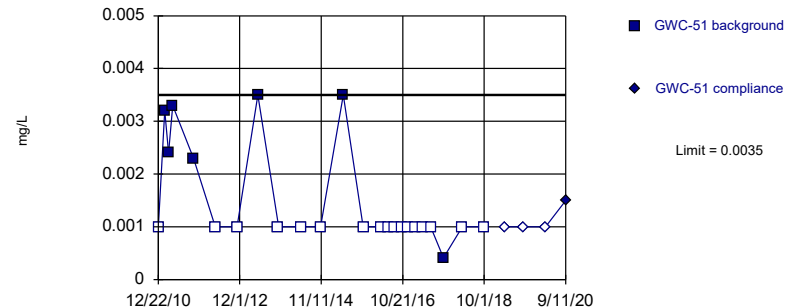
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

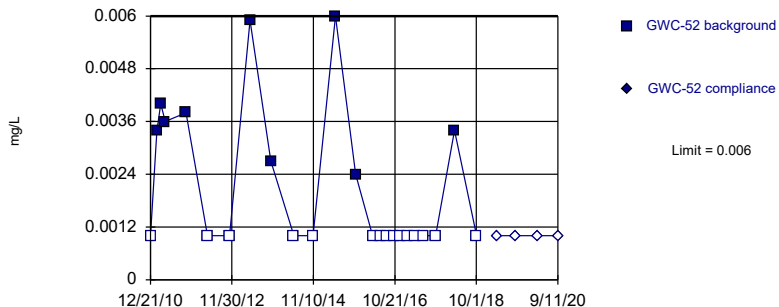
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Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



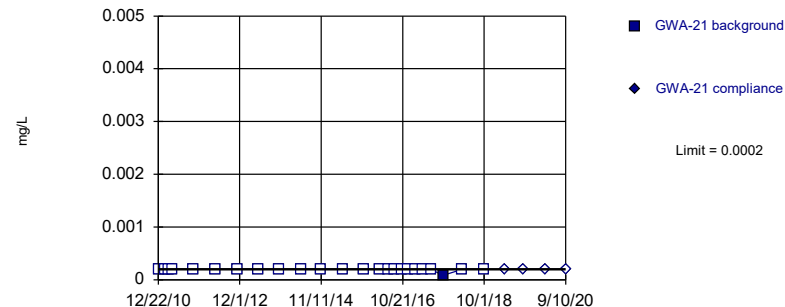
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



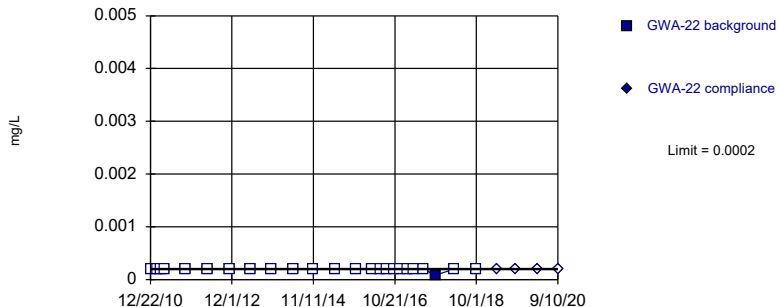
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



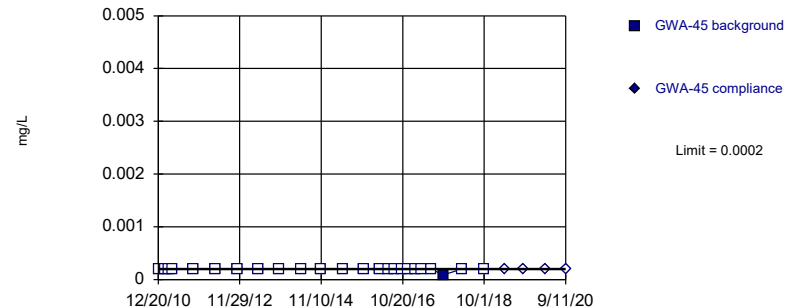
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

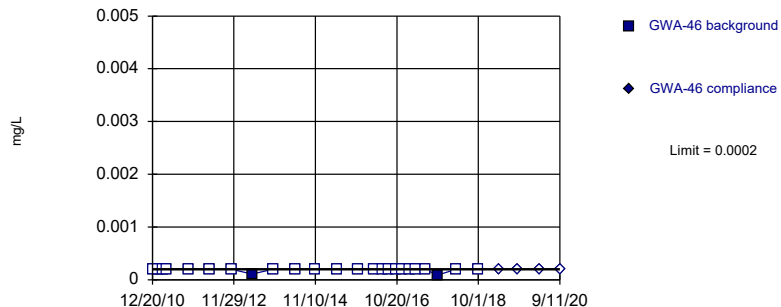
Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



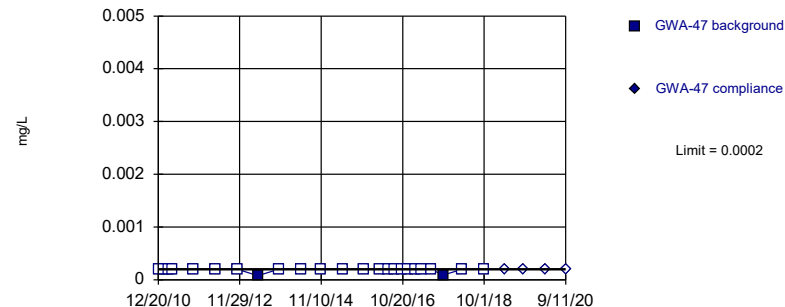
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



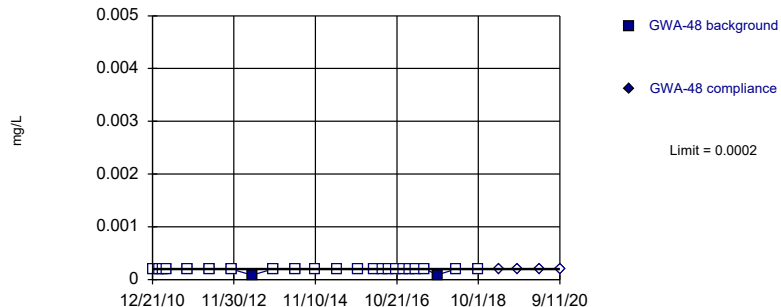
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



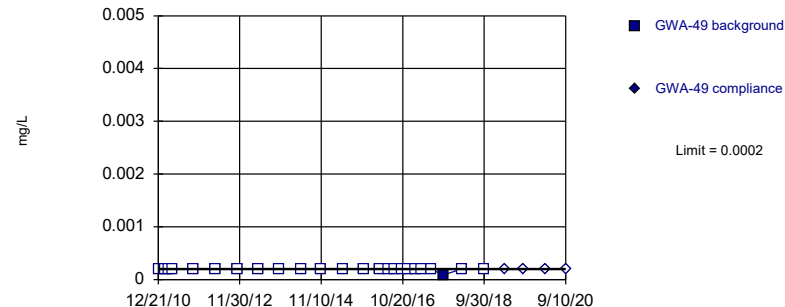
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

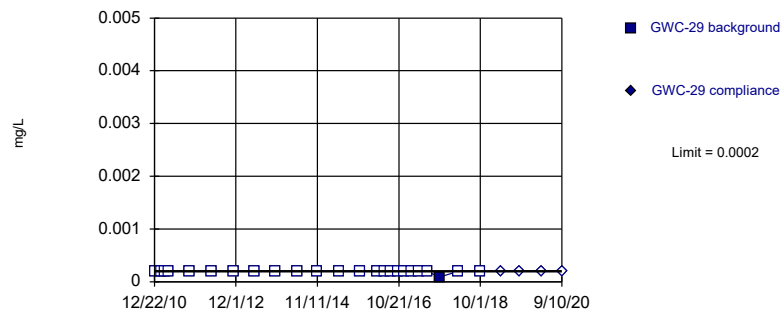
Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



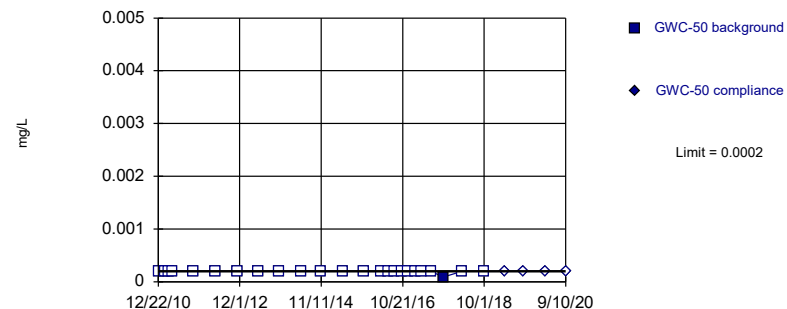
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



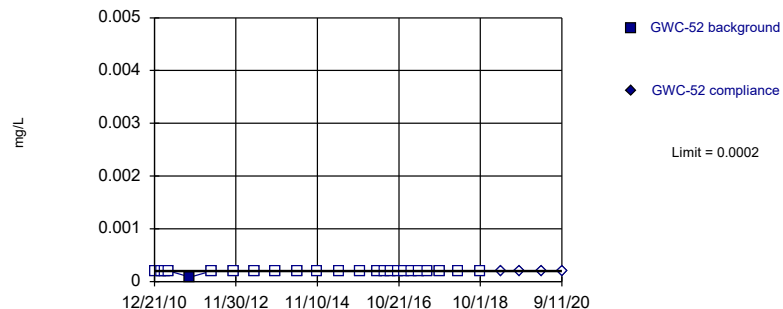
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



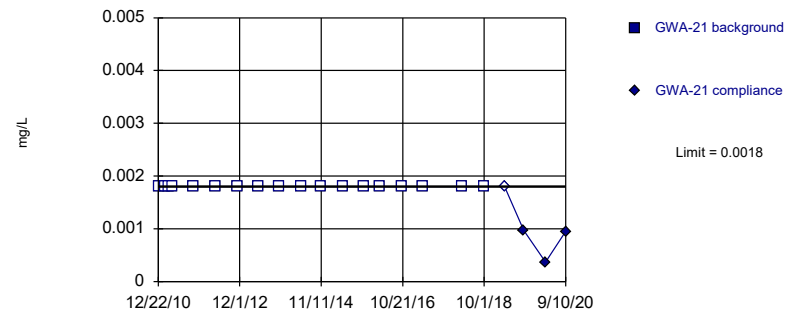
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Mercury, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

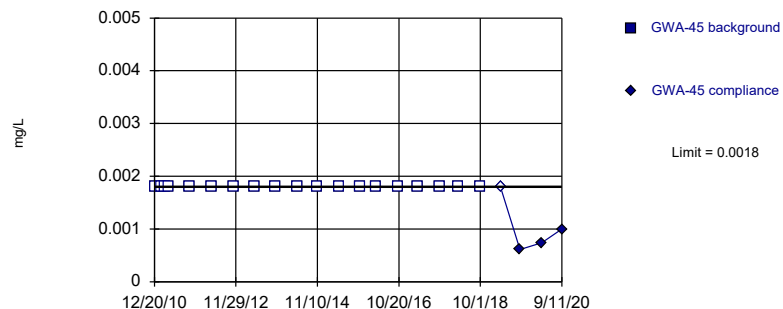
Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



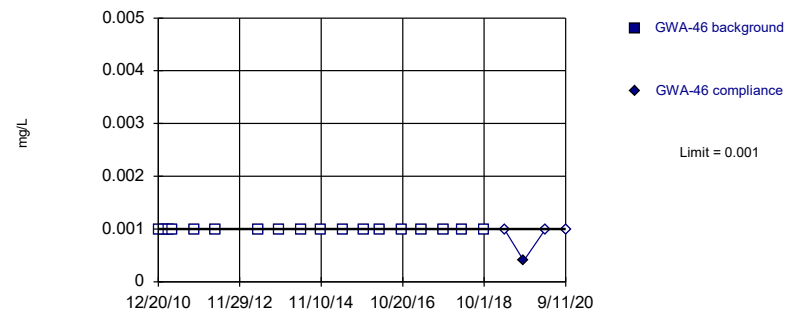
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



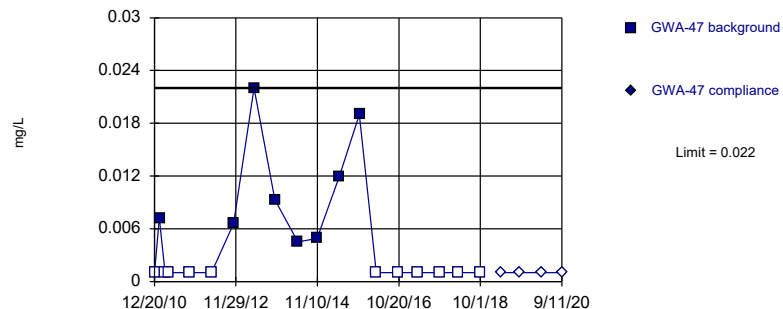
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



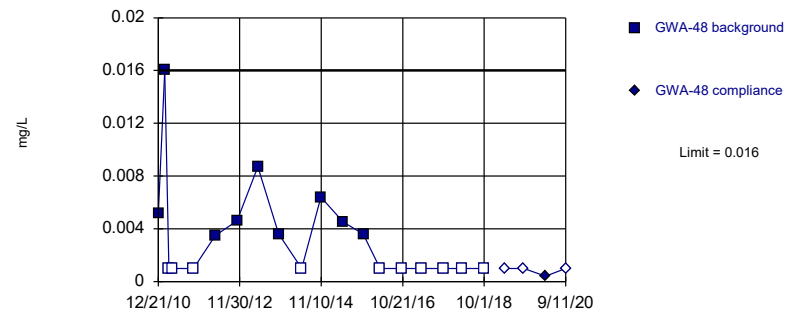
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 19 background values. 52.63% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

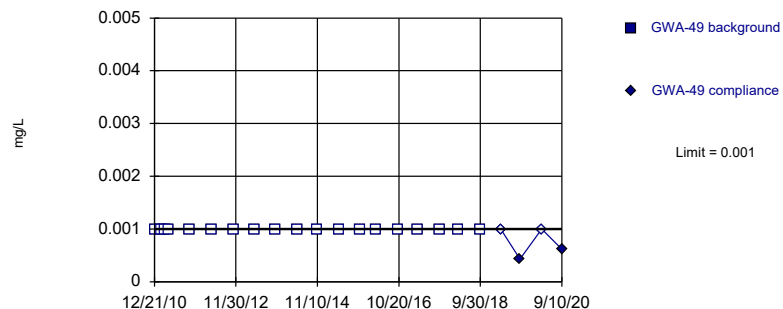
Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



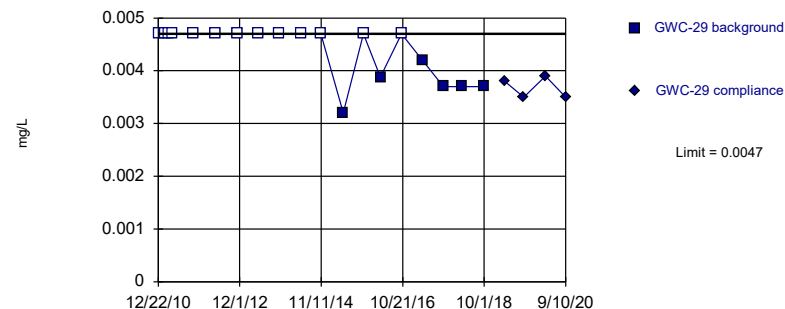
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



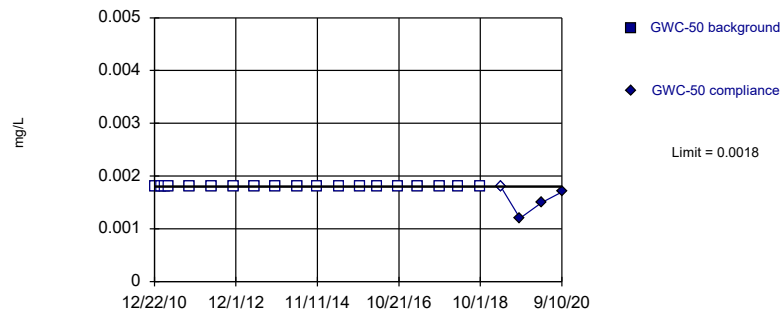
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



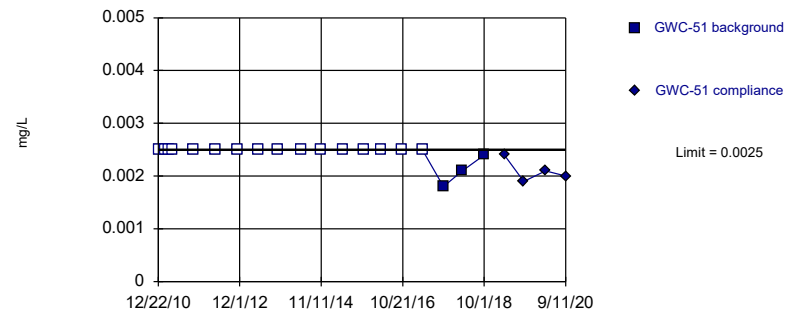
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

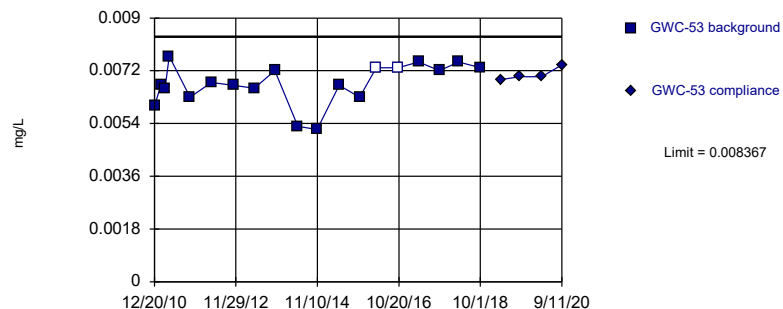
Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



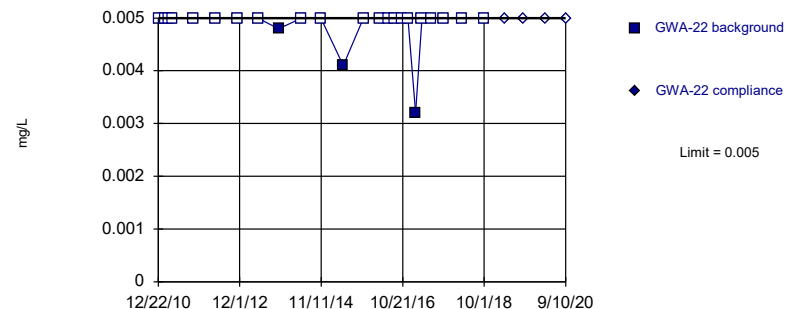
Background Data Summary: Mean=0.006747, Std. Dev.=0.0007019, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9132, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Nickel, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



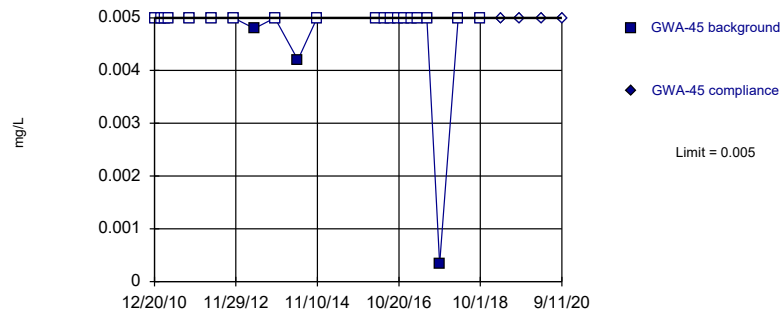
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



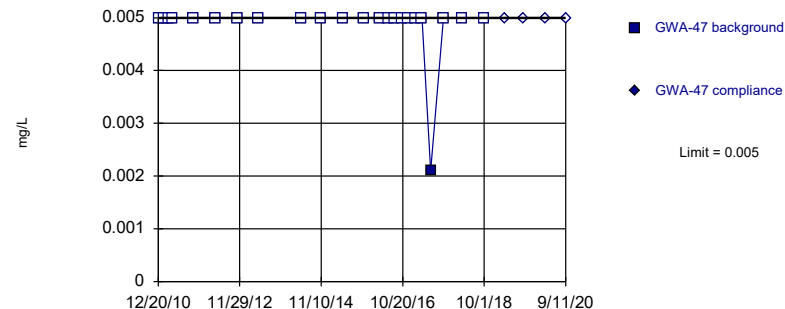
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

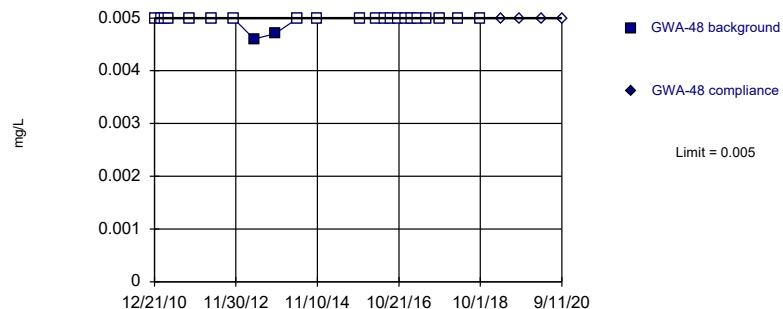


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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



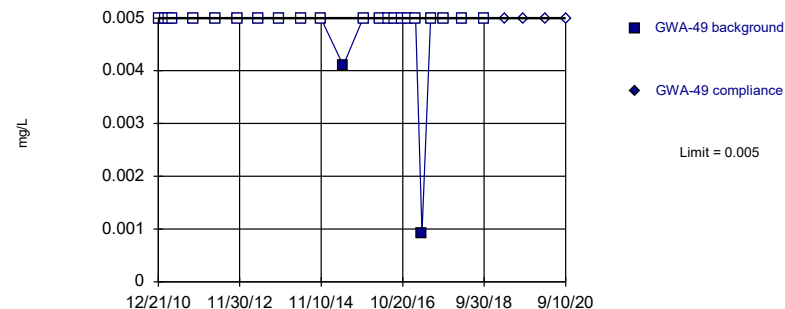
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



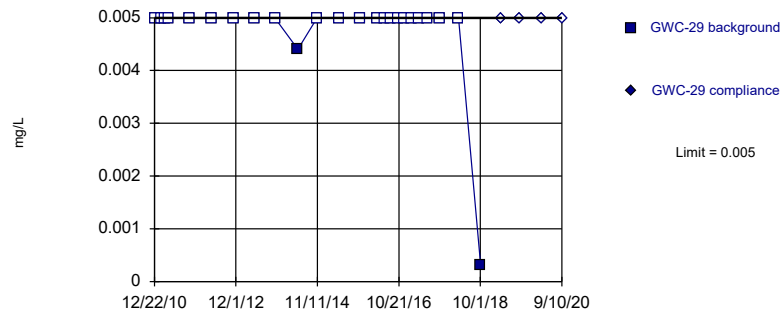
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



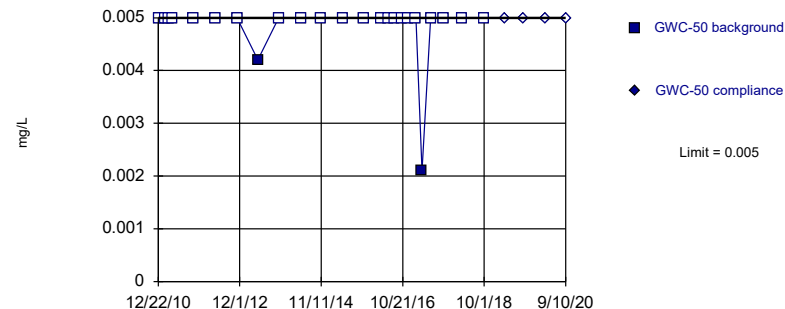
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



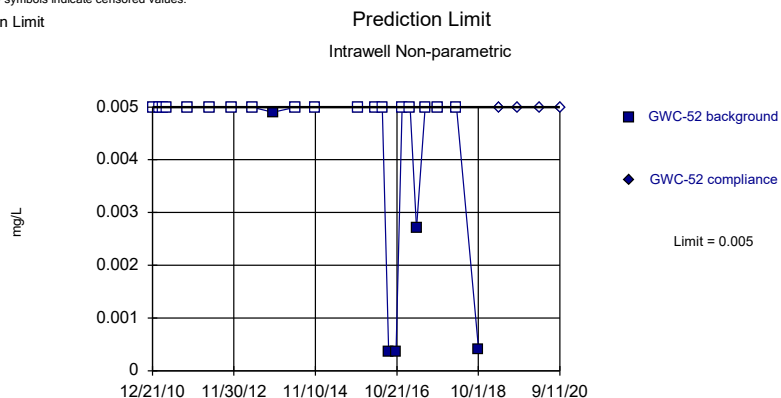
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total    Analysis Run 11/12/2020 4:00 PM    View: State Parameters  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

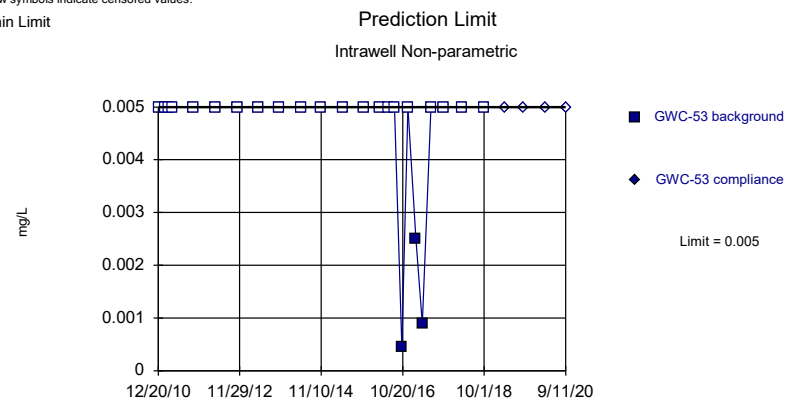


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

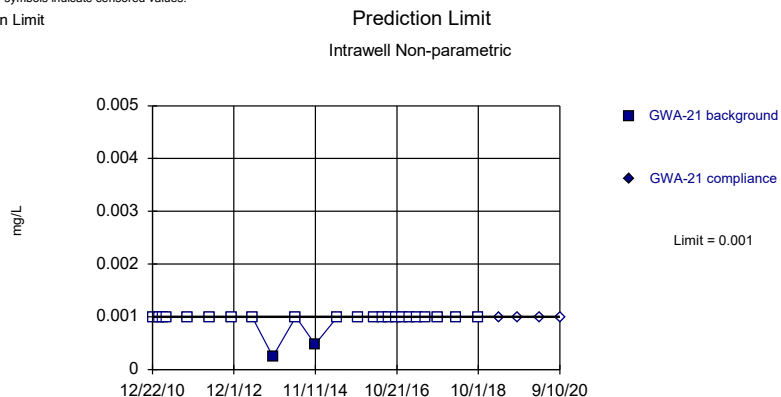


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Selenium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

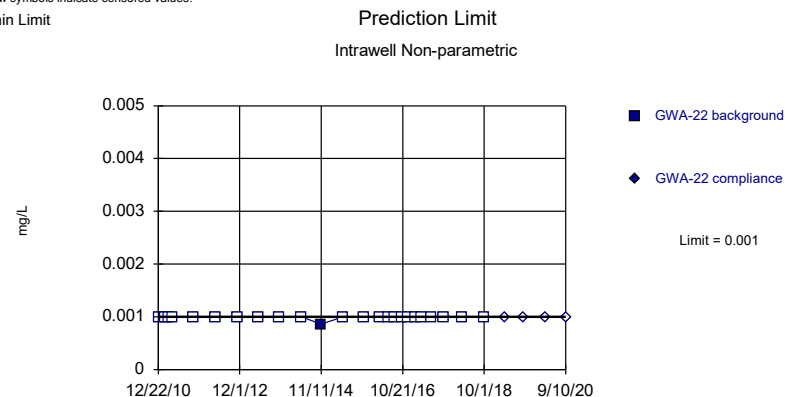


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit



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).

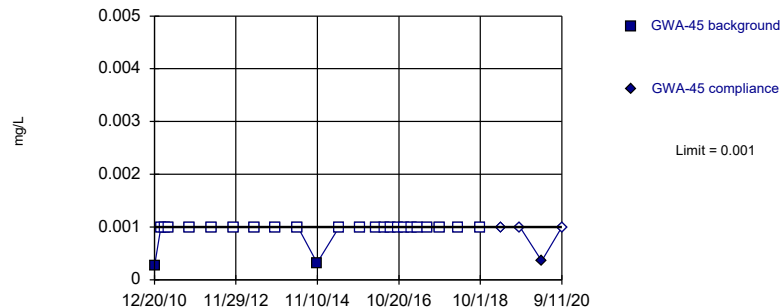
Constituent: Thallium, Total Analysis Run 11/12/2020 4:00 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



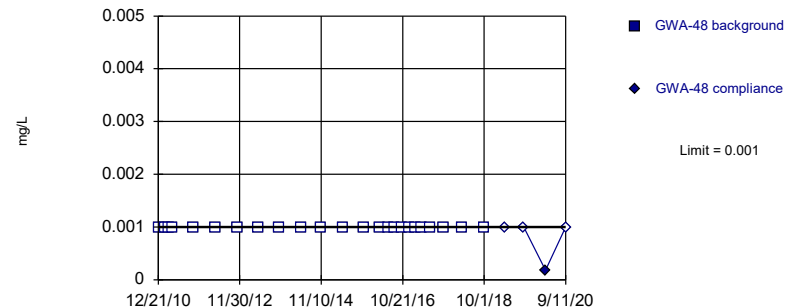
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



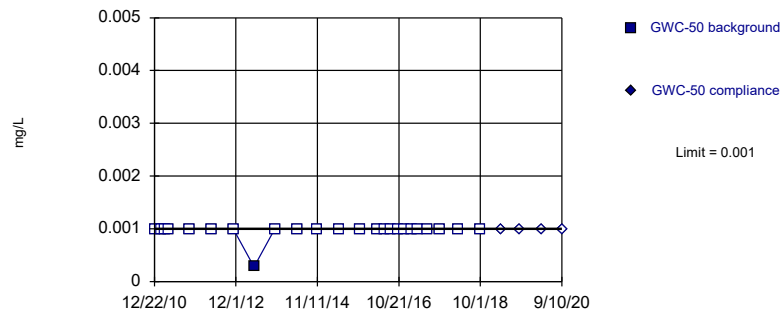
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



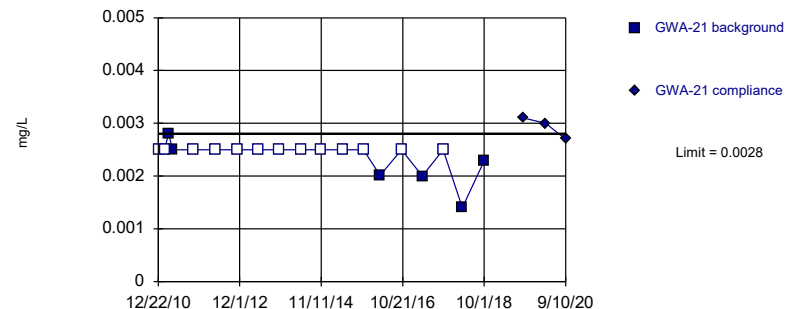
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

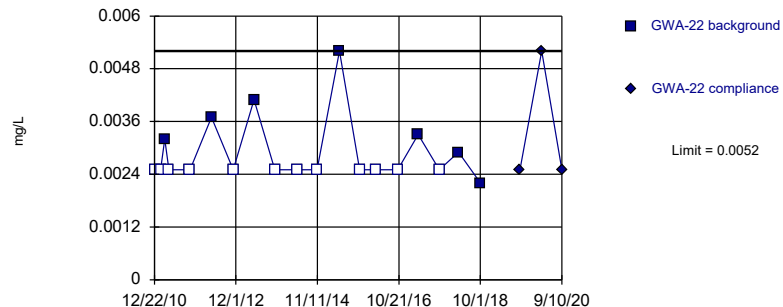
Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



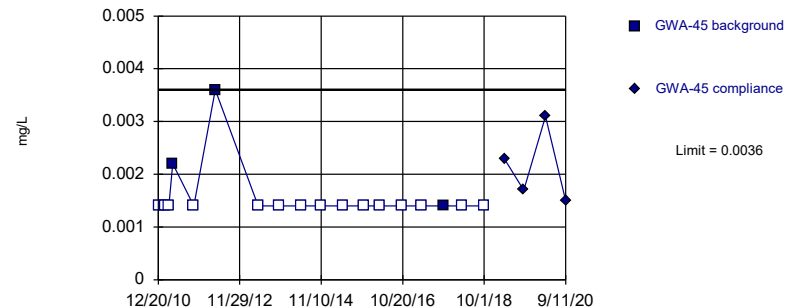
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



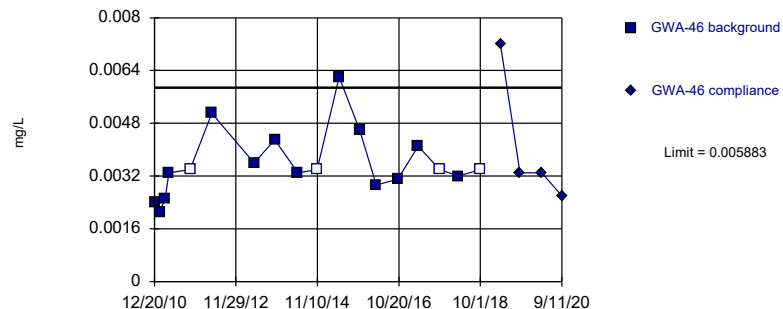
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



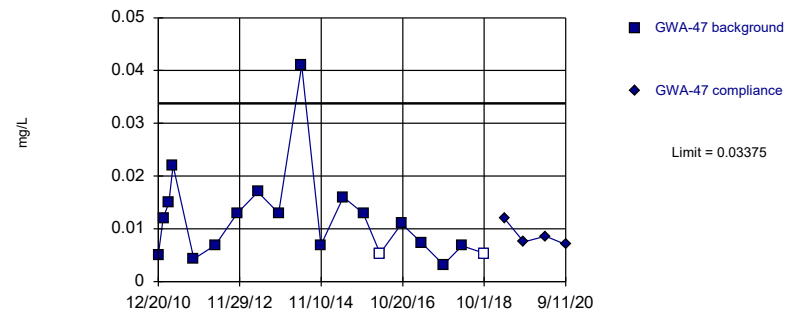
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003403, Std. Dev.=0.001061, n=18, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9105, critical = 0.858. Kappa = 2.337 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1031, Std. Dev.=0.03492, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9024, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

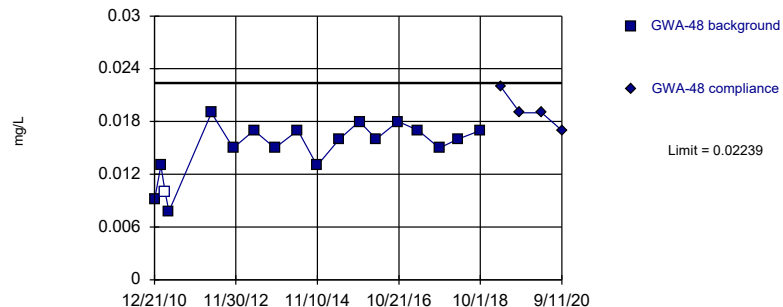
Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

**PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



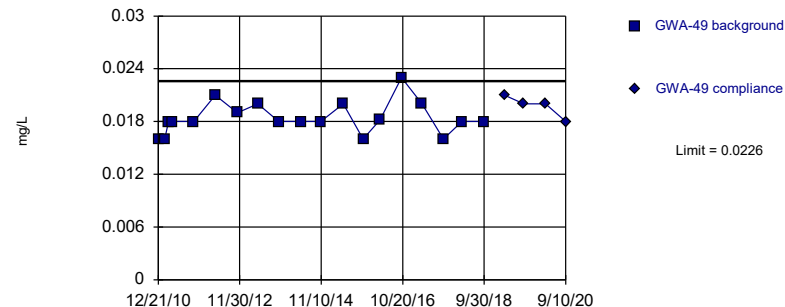
Background Data Summary: Mean=0.01494, Std. Dev.=0.003186, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8783, critical = 0.858. Kappa = 2.337 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



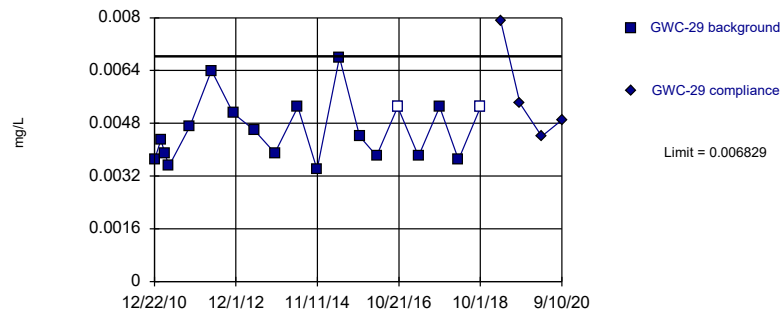
Background Data Summary: Mean=0.01838, Std. Dev.=0.00183, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8844, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



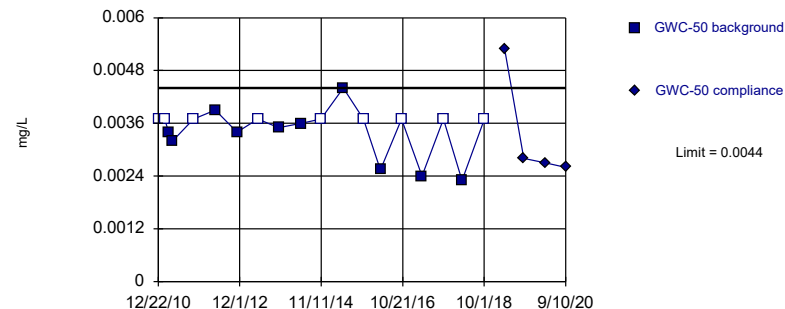
Background Data Summary: Mean=0.00459, Std. Dev.=0.0009702, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 47.37% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

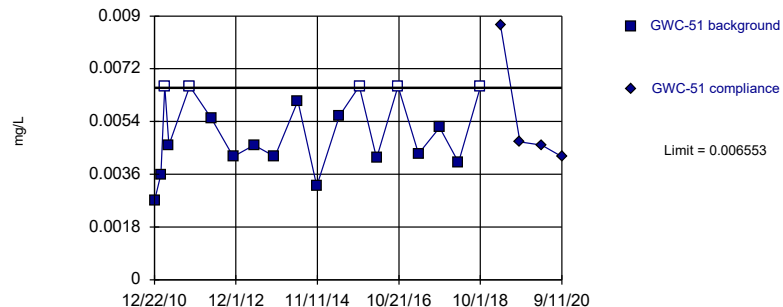
Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



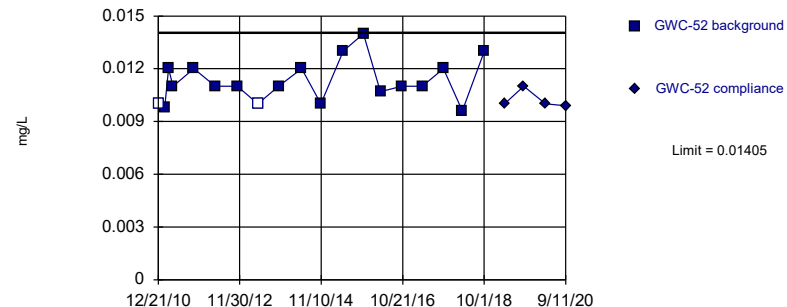
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004314, Std. Dev.=0.0009703, n=19, 26.32% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



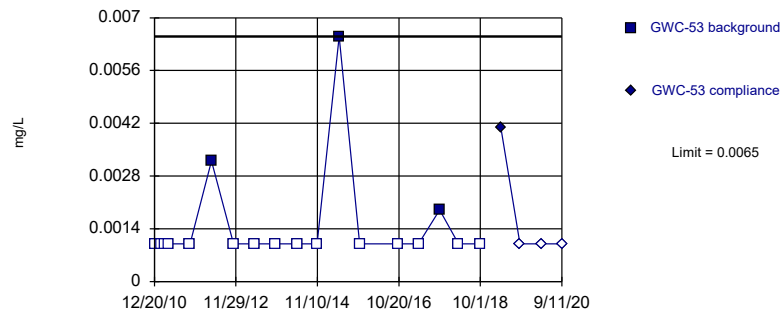
Background Data Summary: Mean=0.01127, Std. Dev.=0.001205, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.863. Kappa = 2.308 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



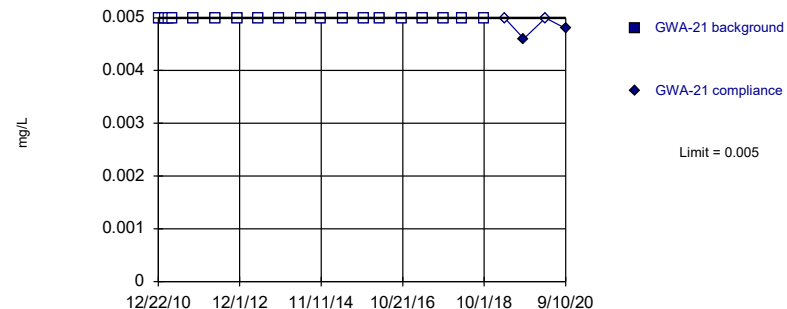
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Vanadium, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

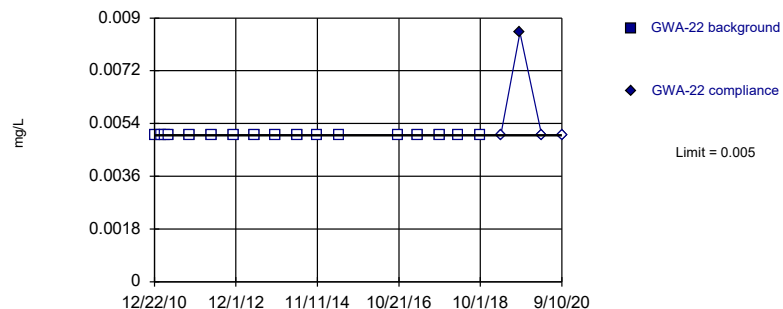
Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



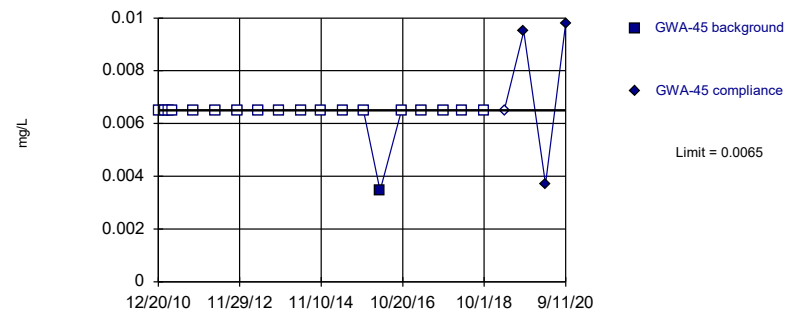
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

**Prediction Limit**  
Intrawell Non-parametric



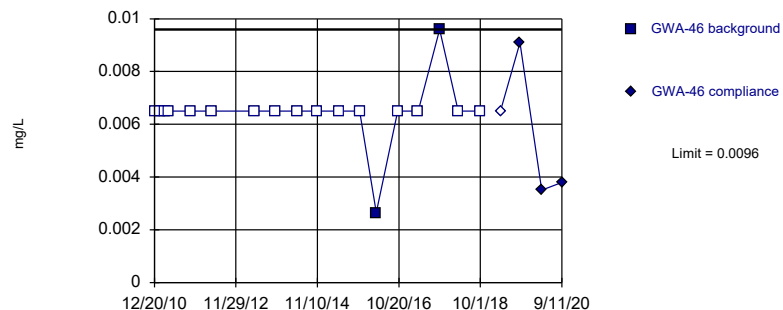
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



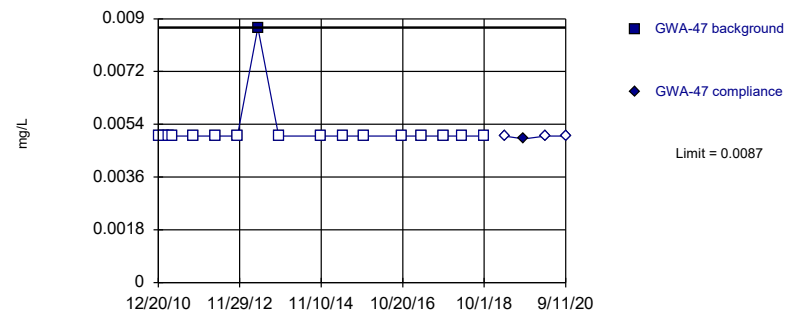
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

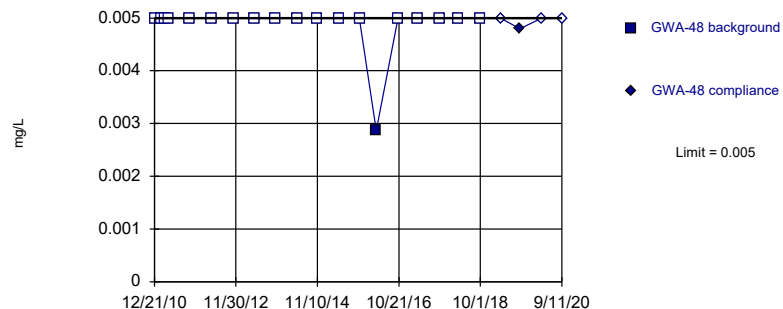
Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



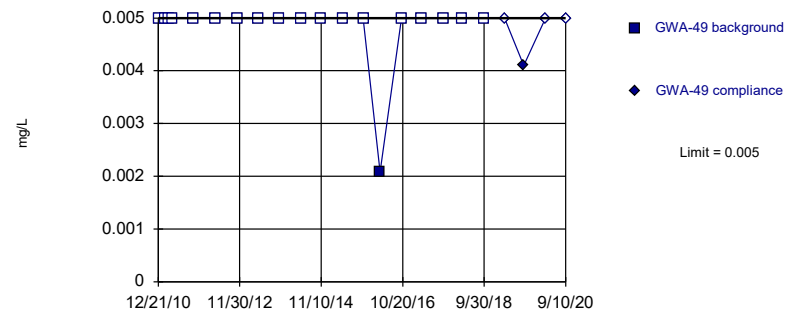
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



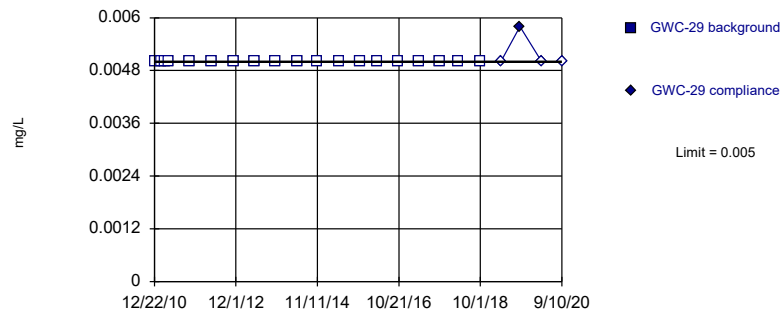
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



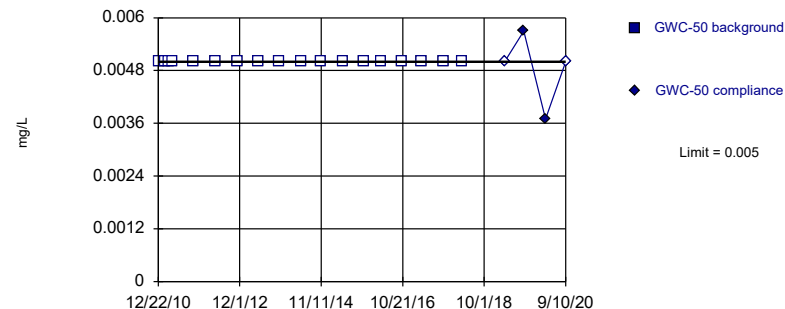
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

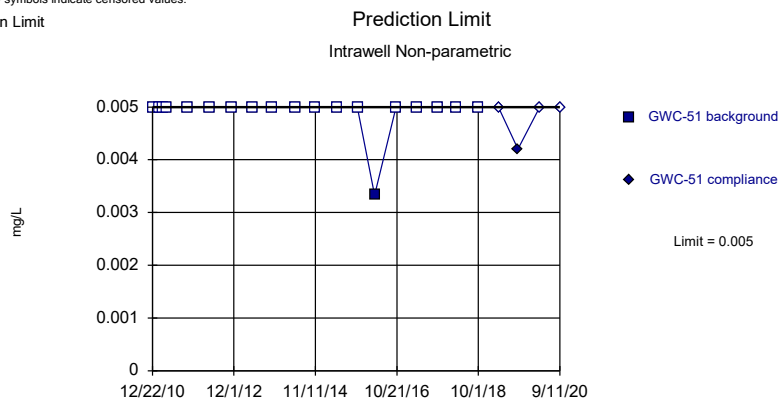
Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



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 PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

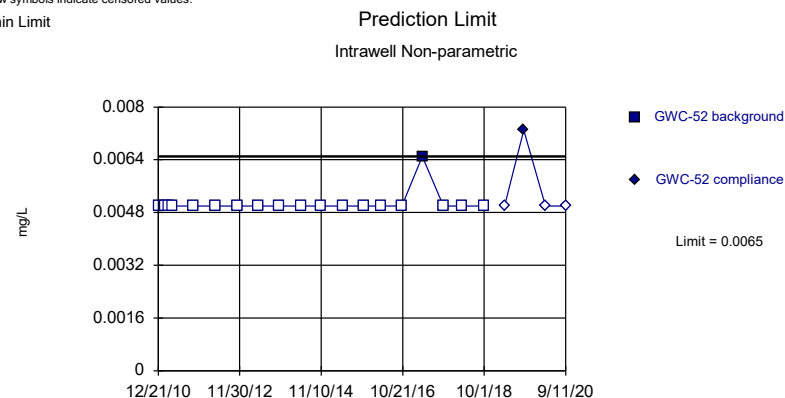


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

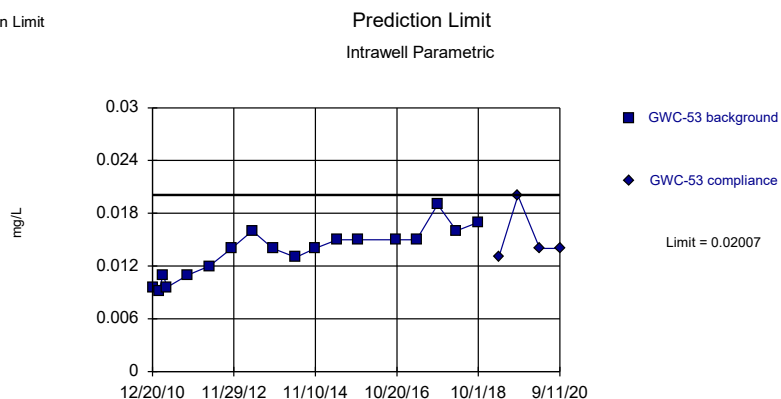


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit



Background Data Summary: Mean=0.01363, Std. Dev.=0.002756, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.858. Kappa = 2.337 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Zinc, Total Analysis Run 11/12/2020 4:01 PM View: State Parameters  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Arsenic, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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
12/2/2019		0.11 (R)
3/19/2020		0.11
9/11/2020		0.15

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Beryllium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cadmium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters

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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Cobalt, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.0021 (J)	
2/14/2011	<0.00063	
3/21/2011	<0.00063	
4/26/2011	<0.00063	
10/26/2011	<0.00063	
5/1/2012	<0.00063	
11/8/2012	0.0034 (J)	
5/8/2013	<0.00063	
11/4/2013	<0.00063	
5/24/2014	<0.00063	
11/7/2014	0.002 (J)	
5/20/2015	0.0024 (J)	
11/13/2015	<0.00063	
4/7/2016	<0.00063	
10/10/2016	<0.00063	
4/7/2017	<0.00063	
10/10/2017	<0.00063	
3/22/2018	<0.00063 (D)	
10/3/2018	<0.00063	
3/27/2019		<0.00063
9/12/2019		<0.00063
3/19/2020		0.00072 (J)
9/11/2020		0.002

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Copper, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.00013	
2/14/2011	0.0024 (J)	
3/21/2011	<0.00013	
4/26/2011	0.0027 (J)	
10/26/2011	0.0026 (J)	
5/1/2012	<0.00013	
11/8/2012	0.0023 (J)	
5/8/2013	0.0026 (J)	
11/4/2013	<0.00013	
5/24/2014	<0.00013	
11/7/2014	<0.00013	
5/20/2015	0.005 (J)	
11/13/2015	0.0031 (J)	
4/7/2016	<0.00013	
6/14/2016	<0.00013	
8/9/2016	<0.00013	
10/10/2016	<0.00013	
12/2/2016	<0.00013	
2/9/2017	<0.00013	
4/7/2017	<0.00013	
6/22/2017	<0.00013	
10/10/2017	<0.00013	
3/22/2018	<0.00013 (D)	
10/3/2018	<0.00013	
3/27/2019		<0.00013
9/12/2019		<0.00013
3/19/2020		0.00019 (J)
9/11/2020		0.0016

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Lead, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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	
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Mercury, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Nickel, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Selenium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Thallium, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Vanadium, T Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:07 PM View: State Parameters  
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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:08 PM View: State Parameters  
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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:08 PM View: State Parameters  
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 (O)	
3/28/2019		<0.005
9/12/2019		0.0057
3/19/2020		0.0037 (J)
9/10/2020		<0.005

PRIVILEGED AND CONFIDENTIAL  
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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:08 PM View: State Parameters  
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

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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:08 PM View: State Parameters  
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

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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Zinc, Total (mg/L) Analysis Run 11/12/2020 4:08 PM View: State Parameters  
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

FIGURE E.

## State Parameter Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/18/2020, 4:50 PM

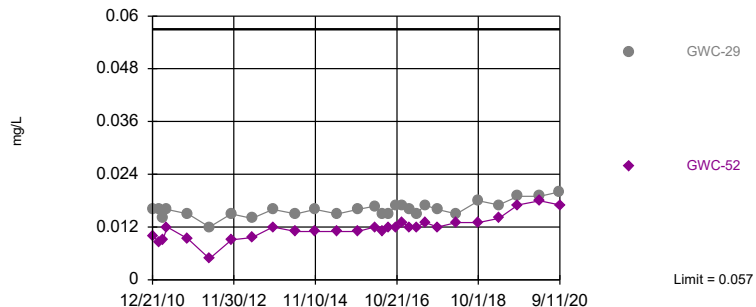
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-29	0.057	n/a	9/10/2020	0.02	No	188	n/a	n/a	0	n/a	n/a	0.00005606	NP (normality) 1 of 2
Barium, Total (mg/L)	GWC-52	0.057	n/a	9/11/2020	0.017	No	188	n/a	n/a	0	n/a	n/a	0.00005606	NP (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	9/11/2020	0.028	No	194	n/a	n/a	19.59	n/a	n/a	0.00005263	NP (normality) 1 of 2

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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

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 188 background values. Annual per-constituent alpha = 0.0005605. Individual comparison alpha = 0.00005606 (1 of 2). Comparing 2 points to limit. Assumes 3 future values.

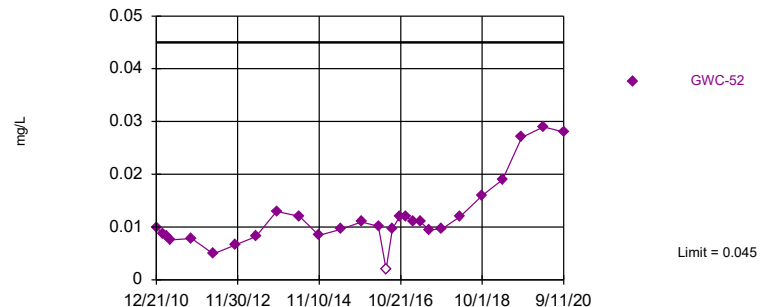
Constituent: Barium, Total    Analysis Run 11/18/2020 4:49 PM    View: State Parameters - Interwell  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Hollow symbols indicate censored values.

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. 19.59% NDs. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Assumes 4 future values.

Constituent: Chromium, Total    Analysis Run 11/18/2020 4:49 PM    View: State Parameters - Interwell  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

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 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Barium, T Total (mg/L) Analysis Run 11/18/2020 4:50 PM View: State Parameters - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46 (bg)	GWA-45 (bg)	GWA-47 (bg)	GWC-52	GWA-49 (bg)	GWC-29	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
12/20/2010	0.019 (J)	0.024 (J)	0.029 (J)						
12/21/2010				0.01 (J)	0.021 (J)				0.055 (O)
12/22/2010						0.016 (J)	0.026 (J)	0.028 (J)	
2/1/2011	0.017 (J)		0.038 (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)		0.016 (J)			
3/21/2011	0.019 (J)	0.021 (J)		0.009 (J)	0.021 (J)				
3/22/2011						0.014 (J)	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)			0.016 (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	0.015			
10/27/2011	0.018						0.021	0.027	
5/1/2012		0.014	0.021	0.0048 (J)			0.017	0.022	0.017
5/2/2012	0.017				0.018	0.012			
11/8/2012	0.048 (O)	0.034	0.038		0.018	0.015	0.023	0.024	0.012
11/9/2012				0.0091 (J)					
5/7/2013	0.02		0.042				0.021	0.027	0.022
5/8/2013		0.016		0.0096 (J)	0.017	0.014			
11/4/2013	0.019	0.014		0.012		0.016	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		0.015	0.022	0.025	
11/7/2014	0.019	0.03	0.027	0.011	0.019	0.016			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		0.015			
11/12/2015			0.038		0.019				0.012
11/13/2015	0.02	0.041		0.011		0.016	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		0.0167			
6/14/2016	0.019	0.034	0.023		0.017		0.021	0.023	
6/15/2016						0.015			
6/16/2016				0.011					
6/17/2016									0.012
8/9/2016	0.017	0.032	0.026		0.017			0.026	
8/10/2016						0.015	0.019		0.012
8/11/2016				0.012					
10/10/2016	0.02	0.037							
10/11/2016			0.03		0.02	0.017	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		0.017		0.025	
12/19/2016									0.012
2/9/2017		0.048			0.018				
2/10/2017	0.018		0.023				0.03	0.026	



Constituent: Barium, T Total (mg/L) Analysis Run 11/18/2020 4:50 PM View: State Parameters - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46 (bg)	GWA-45 (bg)	GWA-47 (bg)	GWC-52	GWA-49 (bg)	GWC-29	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
2/13/2017				0.012		0.016			0.017
4/7/2017	0.02	0.045	0.024		0.018			0.021	0.011
4/10/2017						0.015	0.025		
4/11/2017				0.012					
6/22/2017		0.049	0.025		0.02				0.014
6/23/2017	0.021					0.017	0.026		
6/24/2017				0.013					
6/26/2017								0.028	
10/9/2017							0.025	0.021	
10/10/2017	0.018	0.044	0.022		0.02	0.016			0.012
10/11/2017				0.012					
3/22/2018		0.0495 (D)	0.024		0.018				
3/23/2018	0.02								0.012
3/26/2018				0.013		0.015	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		0.018			
10/5/2018			0.026						
3/27/2019	0.021	0.057	0.026		0.019		0.024	0.022	0.013
3/28/2019				0.014		0.017			
9/12/2019	0.022	0.1 (L)	0.028	0.017	0.022	0.019	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	0.019	0.027	0.024	0.02
3/20/2020			0.029						
9/10/2020					0.02	0.02	0.023	0.022	
9/11/2020	0.022	0.15 (L)	0.026	0.017					0.013

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**Prediction Limit**

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 4:50 PM View: State Parameters - 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		

Constituent: Chromium, Total (mg/L) Analysis Run 11/18/2020 4:50 PM View: State Parameters - 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		

FIGURE F.

## State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/16/2020, 8:57 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0005653	128	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004275	-145	-131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006124	304	139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003163	142	124	Yes	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-29	0.0003514	172	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.0006576	273	131	Yes	28	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0005359	-182	-131	Yes	28	14.29	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.0005891	208	131	Yes	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.0009831	207	131	Yes	28	3.571	n/a	n/a	0.01	NP

## State Trend Tests - Prediction Limit Exceedances - All Results

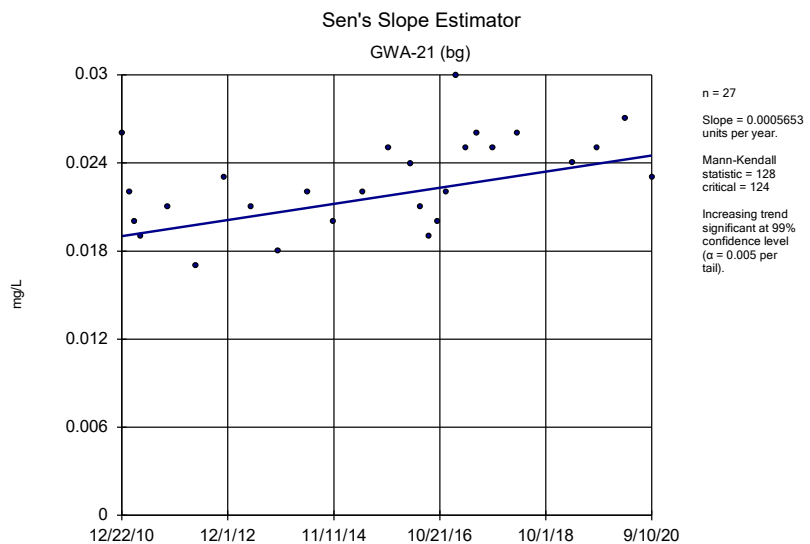
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/16/2020, 8:57 AM

<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>
<b>Barium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>0.0005653</b>	<b>128</b>	<b>124</b>	<b>Yes</b>	<b>27</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-22 (bg)</b>	<b>-0.0004275</b>	<b>-145</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>
<b>Barium, Total (mg/L)</b>	<b>GWA-45 (bg)</b>	<b>0.006124</b>	<b>304</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-46 (bg)</b>	<b>0.0003163</b>	<b>142</b>	<b>124</b>	<b>Yes</b>	<b>27</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)	-0.001237	-105	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-35	-118	No	26	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-35	-131	No	28	0	n/a	n/a	0.01	NP
<b>Barium, Total (mg/L)</b>	<b>GWC-29</b>	<b>0.0003514</b>	<b>172</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>
<b>Barium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0006576</b>	<b>273</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>
<b>Chromium, Total (mg/L)</b>	<b>GWA-21 (bg)</b>	<b>-0.0005359</b>	<b>-182</b>	<b>-131</b>	<b>Yes</b>	<b>28</b>	<b>14.29</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>0.0005891</b>	<b>208</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>7.143</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	118	No	26	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00007079	69	131	No	28	3.571	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003679	-57	-131	No	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004847	-104	-131	No	28	7.143	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00004873	-27	-131	No	28	3.571	n/a	n/a	0.01	NP
<b>Chromium, Total (mg/L)</b>	<b>GWC-52</b>	<b>0.0009831</b>	<b>207</b>	<b>131</b>	<b>Yes</b>	<b>28</b>	<b>3.571</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

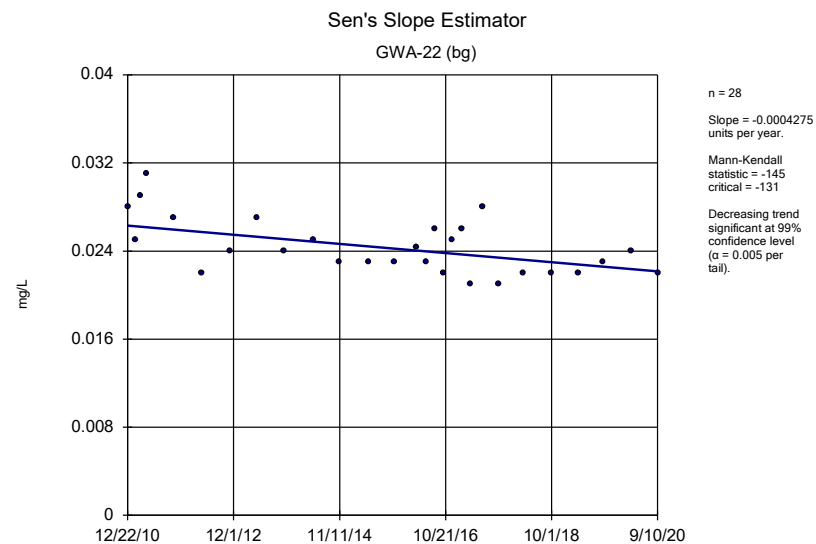
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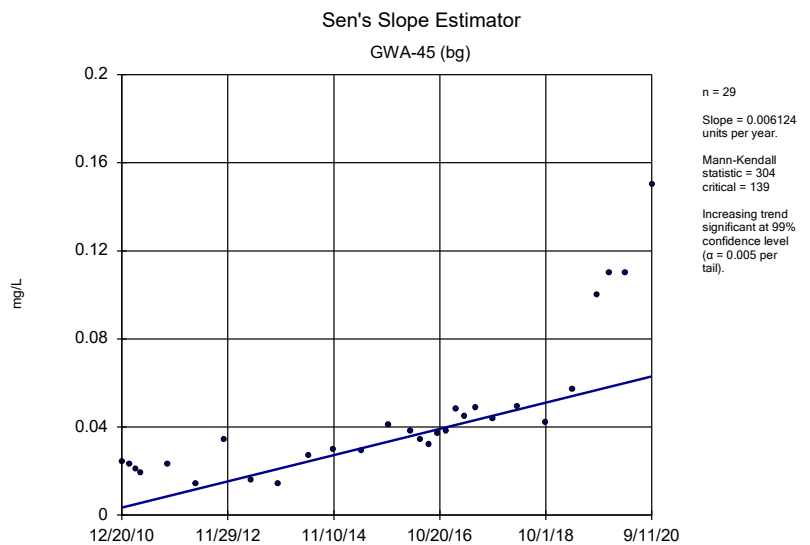
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR



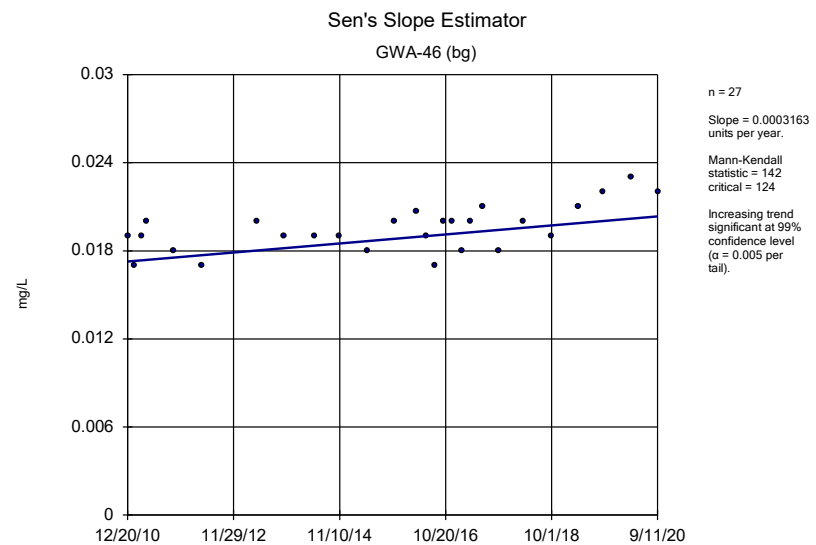
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Constituent: Barium, Total Analysis Run 11/16/2020 8:56 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

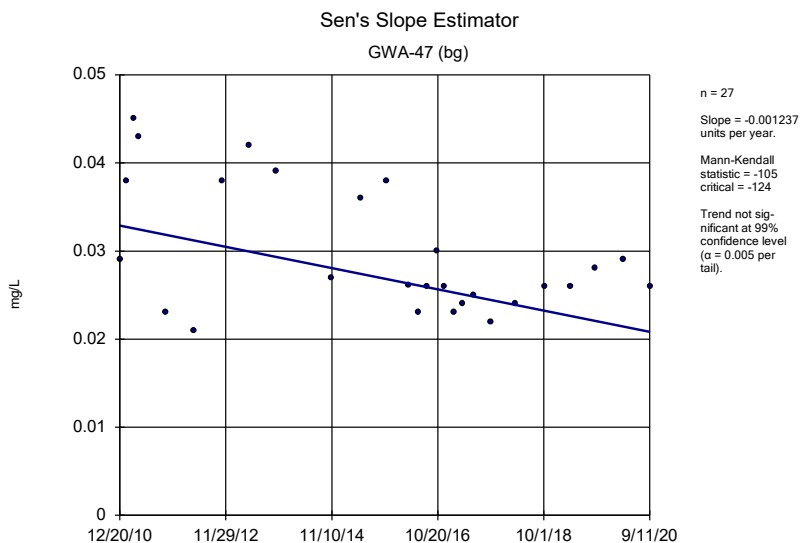


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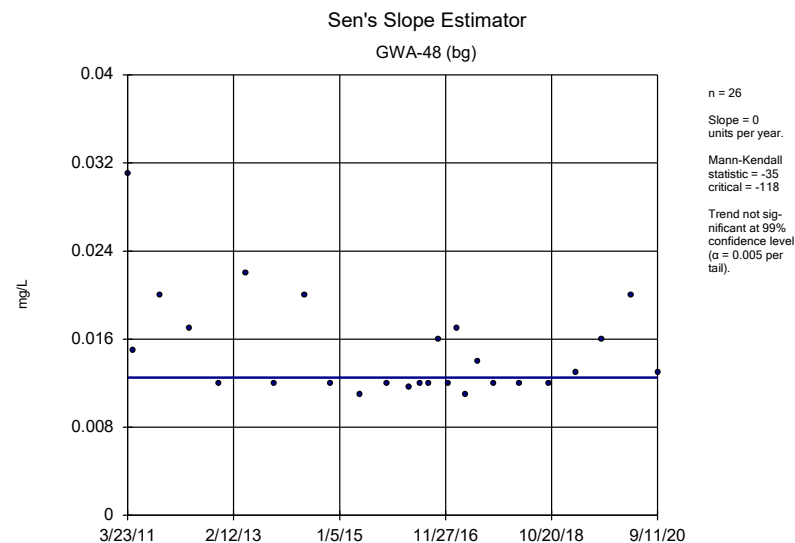
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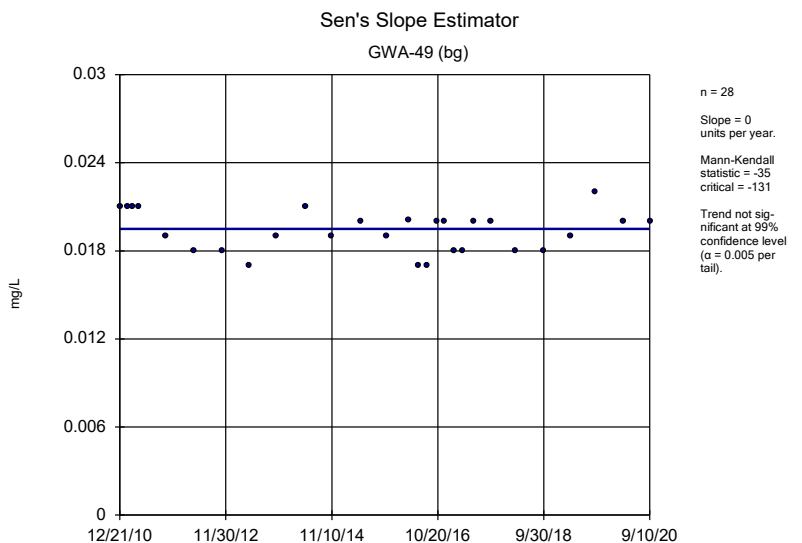
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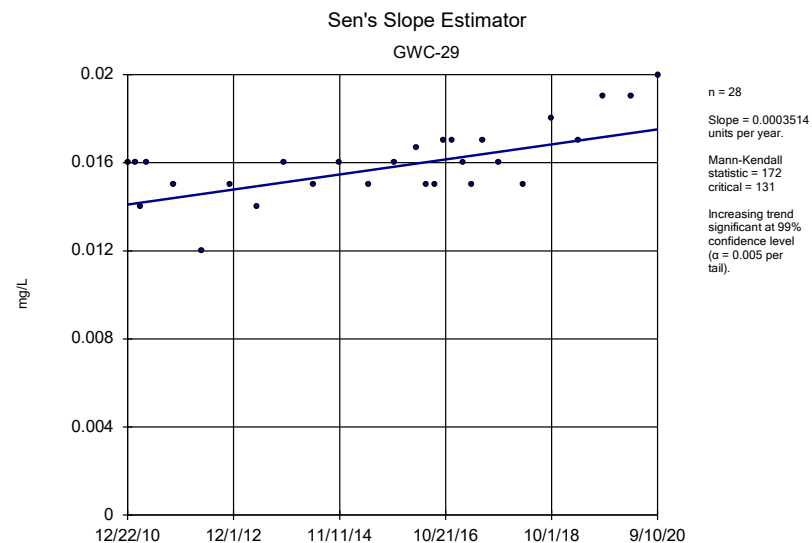
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG



Constituent: Barium, Total Analysis Run 11/16/2020 8:56 AM View: State Parameters - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



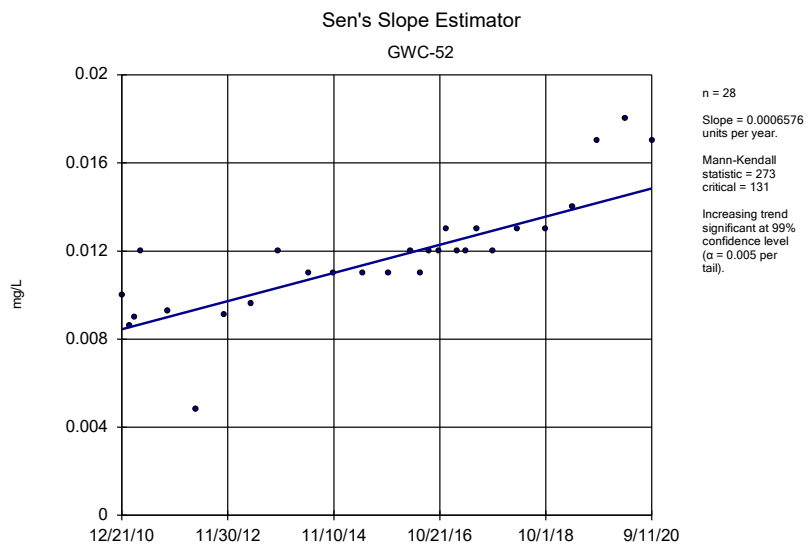
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



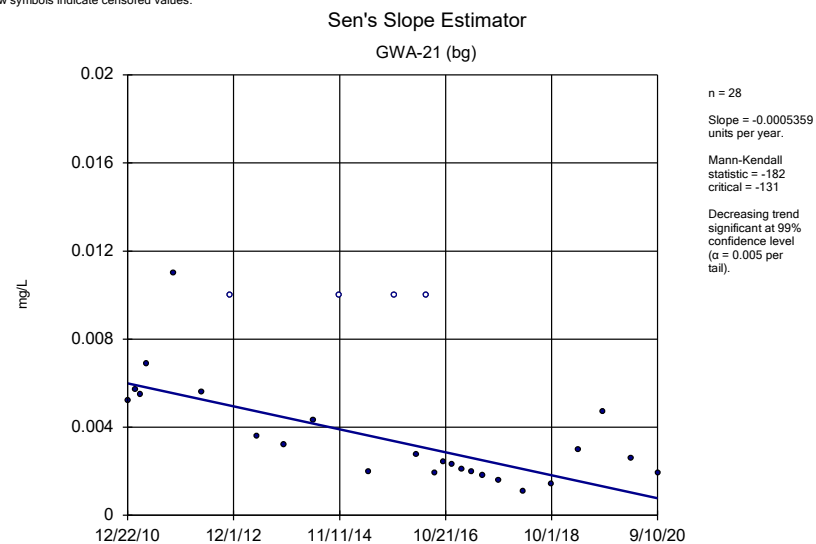
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Hollow symbols indicate censored values.



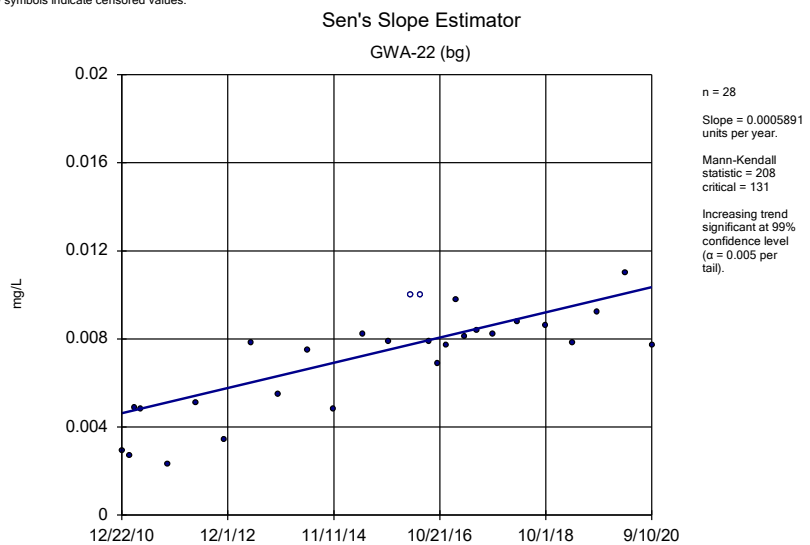
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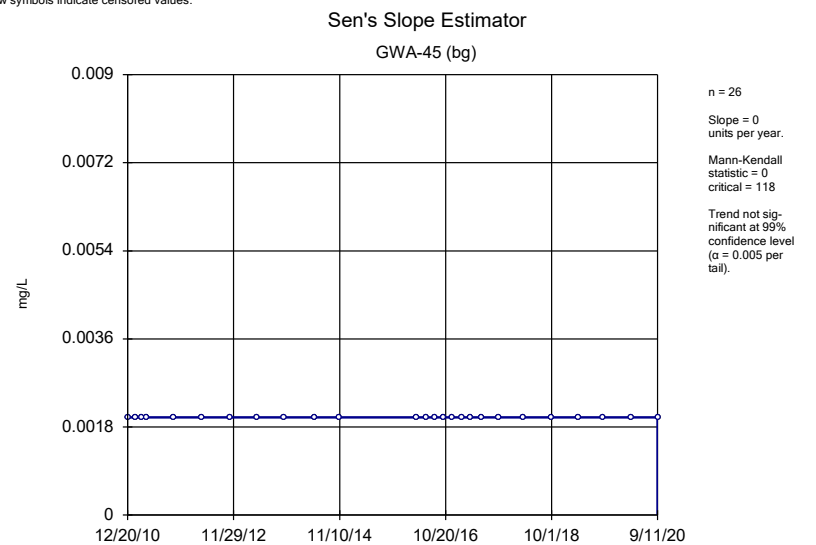
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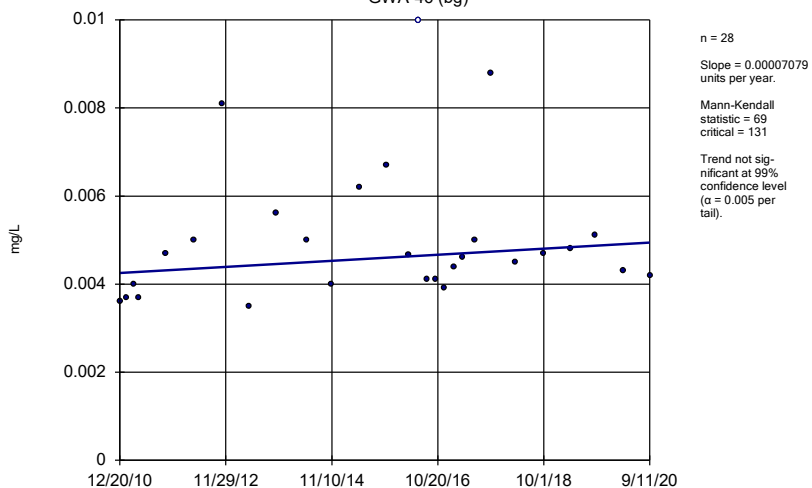
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sen's Slope Estimator

GWA-46 (bg)

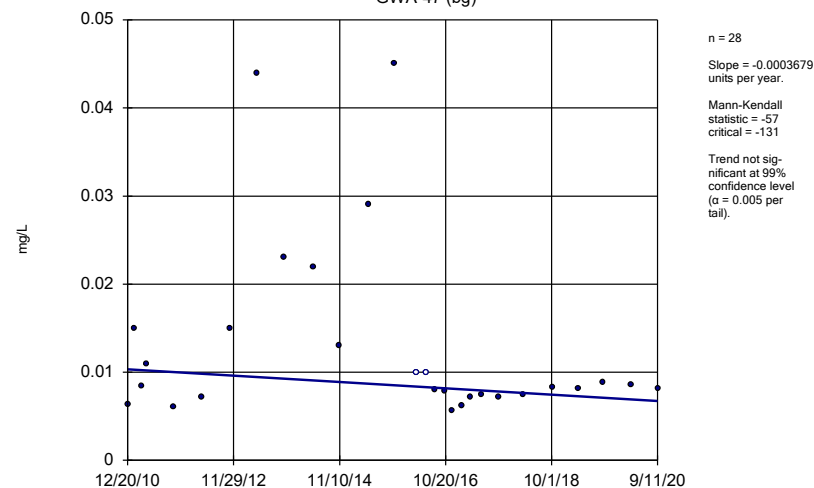


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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
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Sen's Slope Estimator

GWA-47 (bg)

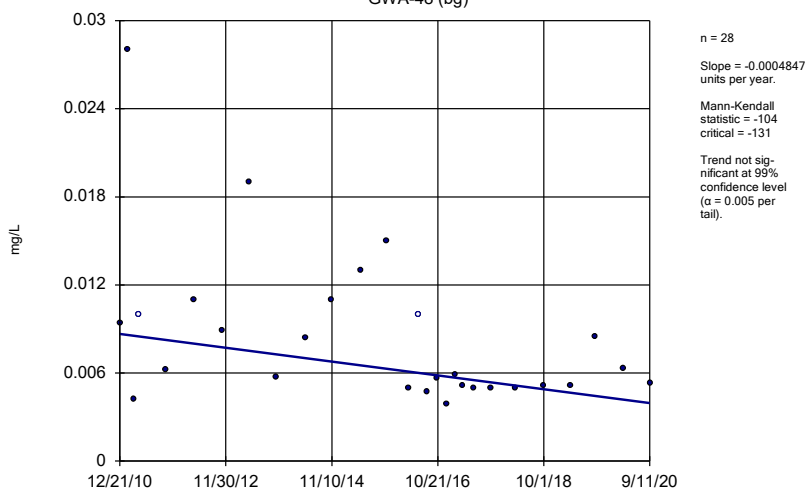


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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-48 (bg)

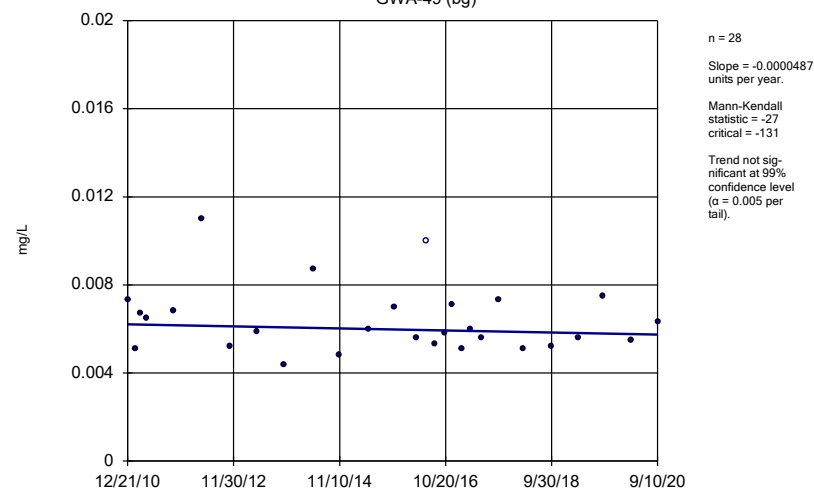


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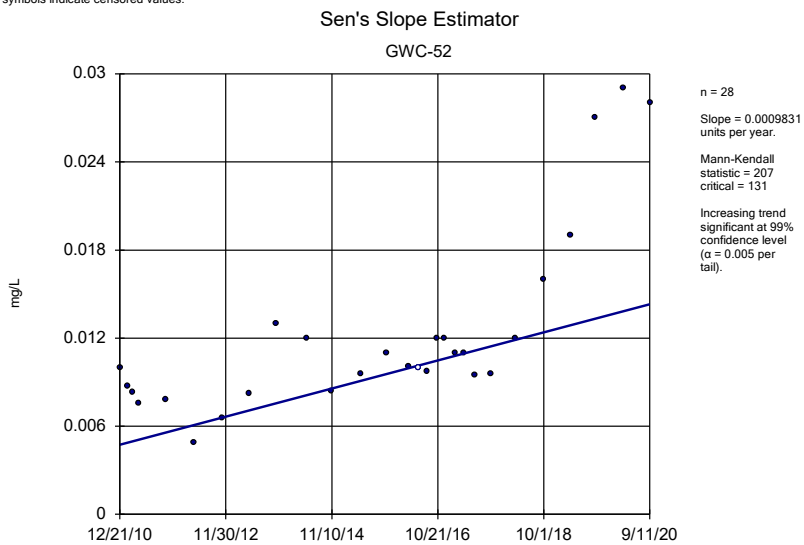
Sen's Slope Estimator

GWA-49 (bg)



Constituent: Chromium, Total Analysis Run 11/16/2020 8:56 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.



Constituent: Chromium, Total Analysis Run 11/16/2020 8:56 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

## FIGURE G.

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## Intrawell Prediction Limits Summary (Federal) - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 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)	GWC-29	11.14	n/a	9/10/2020	15	Yes	11	9.564	0.6562	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWC-52	16.21	n/a	9/11/2020	18	Yes	11	13.28	1.219	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-45	10	n/a	9/11/2020	12	Yes	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.044	n/a	9/11/2020	4.7	Yes	11	3.192	0.3551	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-51	7.083	n/a	9/11/2020	7.7	Yes	10	6.63	0.1829	0	None	No	0.001504	Param 1 of 2
pH (S.U.)	GWA-47	6.552	6.309	9/11/2020	6.59	Yes	14	6.431	0.05427	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-29	5.923	5.7	9/10/2020	6.09	Yes	13	5.812	0.04896	0	None	No	0.000752	Param 1 of 2
Sulfate, total (mg/L)	GWC-51	0.7	n/a	9/11/2020	2.6	Yes	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	9/11/2020	39	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	109.9	n/a	9/10/2020	110	Yes	11	76.64	13.87	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	336.6	n/a	9/11/2020	340	Yes	11	254.3	34.3	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	118.7	n/a	9/10/2020	130	Yes	10	102.4	6.586	0	None	No	0.001504	Param 1 of 2

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## Intrawell Prediction Limits Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-21	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-22	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.132	n/a	9/11/2020	1	No	11	0.4969	0.2648	0	None	No	0.001504	Param 1 of 2
Boron, total (mg/L)	GWA-46	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWA-49	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-50	0.08	n/a	9/10/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-51	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-52	0.08	n/a	9/11/2020	0.08ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.129	n/a	9/11/2020	0.97	No	11	0.9258	0.08464	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-21	11.64	n/a	9/10/2020	8.2	No	11	8.706	1.221	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-22	9.51	n/a	9/10/2020	5.9	No	11	6.891	1.091	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-45	46.4	n/a	9/11/2020	30	No	11	36.48	4.133	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-46	7.033	n/a	9/11/2020	5.5	No	11	5.597	0.5984	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-47	11.8	n/a	9/11/2020	11	No	11	13250	2544	0	None	x^4	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-48	14.23	n/a	9/11/2020	12	No	11	12.36	0.7788	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWA-49	15.69	n/a	9/10/2020	14	No	11	14.05	0.6861	0	None	No	0.001504	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>11.14</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>15</b>	<b>Yes</b>	<b>11</b>	<b>9.564</b>	<b>0.6562</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-50	8.105	n/a	9/10/2020	7.5	No	11	7.022	0.4513	0	None	No	0.001504	Param 1 of 2
Calcium, total (mg/L)	GWC-51	7.814	n/a	9/11/2020	7	No	11	6.6	0.506	0	None	No	0.001504	Param 1 of 2
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>16.21</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>18</b>	<b>Yes</b>	<b>11</b>	<b>13.28</b>	<b>1.219</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Calcium, total (mg/L)	GWC-53	21.17	n/a	9/11/2020	19	No	11	16.72	1.853	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-21	4.383	n/a	9/10/2020	3.7	No	11	3.23	0.4804	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-22	5.531	n/a	9/10/2020	2.5	No	11	3.155	0.9903	0	None	No	0.001504	Param 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-45</b>	<b>10</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>12</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWA-46</b>	<b>4.044</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>4.7</b>	<b>Yes</b>	<b>11</b>	<b>3.192</b>	<b>0.3551</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Chloride, Total (mg/L)	GWA-47	1.753	n/a	9/11/2020	1.6	No	11	1.479	0.1141	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-48	1.991	n/a	9/11/2020	1.8	No	10	1.724	0.1077	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWA-49	2.432	n/a	9/10/2020	2.1	No	11	2.09	0.1425	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-29	4.257	n/a	9/10/2020	3.3	No	10	3.5	0.3055	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-50	2.1	n/a	9/10/2020	2.1	No	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>7.083</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>7.7</b>	<b>Yes</b>	<b>10</b>	<b>6.63</b>	<b>0.1829</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Chloride, Total (mg/L)	GWC-52	8.651	n/a	9/11/2020	7.9	No	10	7.93	0.2908	0	None	No	0.001504	Param 1 of 2
Chloride, Total (mg/L)	GWC-53	12	n/a	9/11/2020	12	No	11	n/a	n/a	0	n/a	n/a	0.01276	NP (normality) 1 of 2
Fluoride, total (mg/L)	GWA-21	0.082	n/a	9/10/2020	0.044J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	9/10/2020	0.034J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	9/11/2020	0.034J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	9/11/2020	0.035J	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	9/10/2020	0.036J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	9/10/2020	0.04J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.1	n/a	9/10/2020	0.1ND	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.027	n/a	9/11/2020	0.049J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	9/11/2020	0.041J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-53	0.1	n/a	9/11/2020	0.1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
pH (S.U.)	GWA-21	5.962	5.587	9/10/2020	5.83	No	13	5.775	0.08222	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-22	6.27	5.499	9/10/2020	5.78	No	14	5.884	0.1725	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-45	6.448	5.747	9/11/2020	5.98	No	13	6.098	0.1537	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-46	6.83	5.71	9/11/2020	6.02	No	13	n/a	n/a	0	n/a	n/a	0.01938	NP (normality) 1 of 2
<b>pH (S.U.)</b>	<b>GWA-47</b>	<b>6.552</b>	<b>6.309</b>	<b>9/11/2020</b>	<b>6.59</b>	<b>Yes</b>	<b>14</b>	<b>6.431</b>	<b>0.05427</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	Param 1 of 2
pH (S.U.)	GWA-48	6.981	6.519	9/11/2020	6.76	No	13	6.75	0.1012	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWA-49	7.091	6.613	9/10/2020	6.91	No	13	6.852	0.1048	0	None	No	0.000752	Param 1 of 2
<b>pH (S.U.)</b>	<b>GWC-29</b>	<b>5.923</b>	<b>5.7</b>	<b>9/10/2020</b>	<b>6.09</b>	<b>Yes</b>	<b>13</b>	<b>5.812</b>	<b>0.04896</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.000752</b>	Param 1 of 2

## Intrawell Prediction Limits Summary (Federal) - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:05 PM

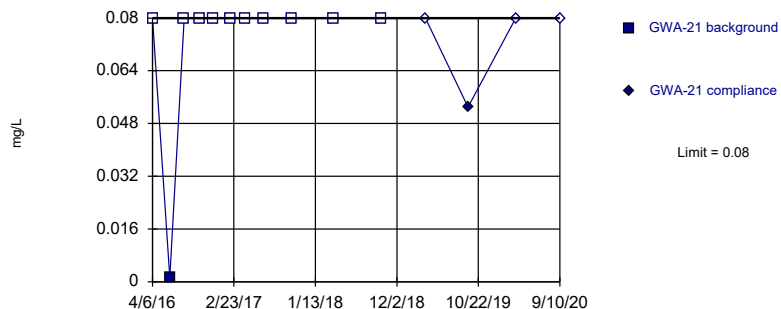
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (S.U.)	GWC-50	5.994	5.672	9/10/2020	5.78	No	14	5.833	0.07205	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-51	5.977	5.714	9/11/2020	5.84	No	14	5.846	0.0588	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-52	6.806	6.488	9/11/2020	6.64	No	14	6.647	0.07119	0	None	No	0.000752	Param 1 of 2
pH (S.U.)	GWC-53	5.76	5.399	9/11/2020	5.69	No	13	5.579	0.07921	0	None	No	0.000752	Param 1 of 2
Sulfate, total (mg/L)	GWA-21	2.884	n/a	9/10/2020	1.3	No	11	1.481	0.5847	9.091	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	182.1	n/a	9/11/2020	170	No	11	144.3	15.75	0	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-46	0.7	n/a	9/11/2020	0.99J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	0.38	n/a	9/11/2020	0.39J	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.626	n/a	9/11/2020	1.3	No	11	1.176	0.1875	0	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWA-49	0.7	n/a	9/10/2020	0.42J	No	11	n/a	n/a	90.91	n/a	n/a	0.01276	NP (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	2.916	n/a	9/10/2020	2.7	No	11	2.486	0.179	9.091	None	No	0.001504	Param 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	9/10/2020	1ND	No	11	n/a	n/a	100	n/a	n/a	0.01276	NP (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-51</b>	<b>0.7</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>2.6</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>	<b>90.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01276</b>	NP (NDs) 1 of 2
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>26.14</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>39</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>	Param 1 of 2
Sulfate, total (mg/L)	GWC-53	182.6	n/a	9/11/2020	160	No	11	148.7	14.12	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-21</b>	<b>109.9</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>110</b>	<b>Yes</b>	<b>11</b>	<b>76.64</b>	<b>13.87</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	115	n/a	9/10/2020	56	No	11	65.73	20.51	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-45</b>	<b>336.6</b>	<b>n/a</b>	<b>9/11/2020</b>	<b>340</b>	<b>Yes</b>	<b>11</b>	<b>254.3</b>	<b>34.3</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	86.78	n/a	9/11/2020	51	No	11	46.5	16.78	9.091	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	116	n/a	9/11/2020	110	No	11	81.82	14.25	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	120.7	n/a	9/11/2020	120	No	11	87.36	13.87	0	None	No	0.001504	Param 1 of 2
<b>Total Dissolved Solids [TDS] (mg/L)</b>	<b>GWA-49</b>	<b>118.7</b>	<b>n/a</b>	<b>9/10/2020</b>	<b>130</b>	<b>Yes</b>	<b>10</b>	<b>102.4</b>	<b>6.586</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001504</b>	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	138.1	n/a	9/10/2020	120	No	11	84.73	22.22	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	129.2	n/a	9/10/2020	82	No	11	68.91	25.11	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	102.5	n/a	9/11/2020	87	No	10	74	11.51	0	None	No	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	184	n/a	9/11/2020	170	No	11	10.79	1.155	0	None	sqrt(x)	0.001504	Param 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	326.8	n/a	9/11/2020	290	No	11	243.5	34.73	0	None	No	0.001504	Param 1 of 2

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



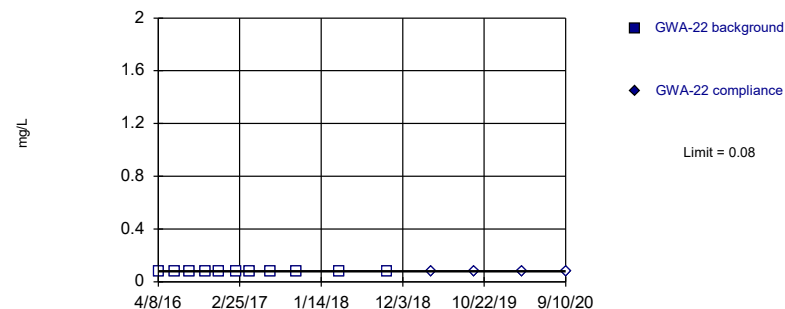
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



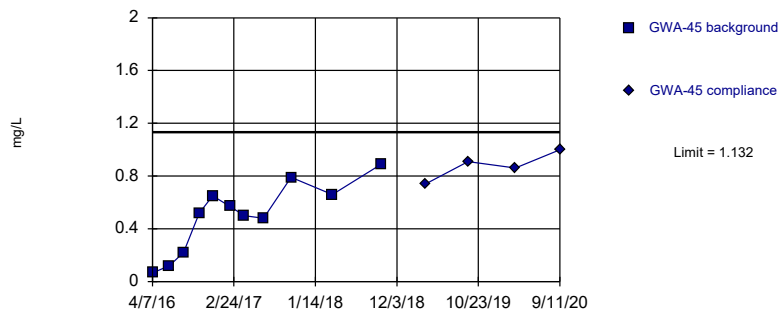
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit

**Prediction Limit**  
Intrawell Parametric



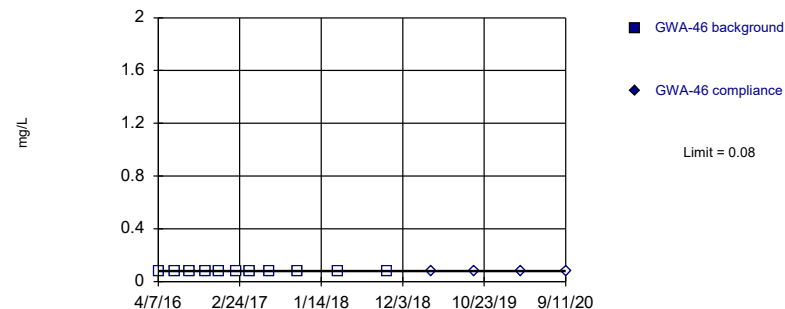
Background Data Summary: Mean=0.4969, Std. Dev.=0.2648, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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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 = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

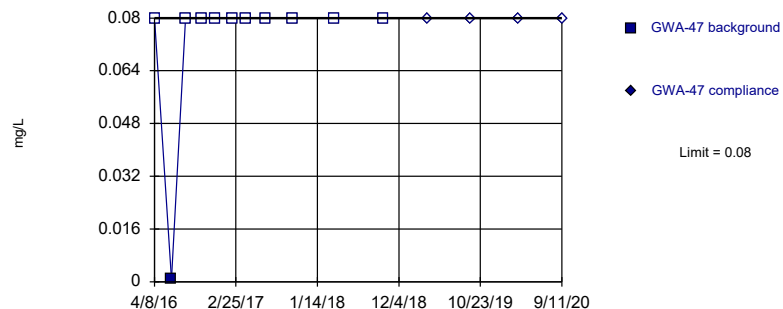


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Within Limit

Prediction Limit  
 Intrawell Non-parametric



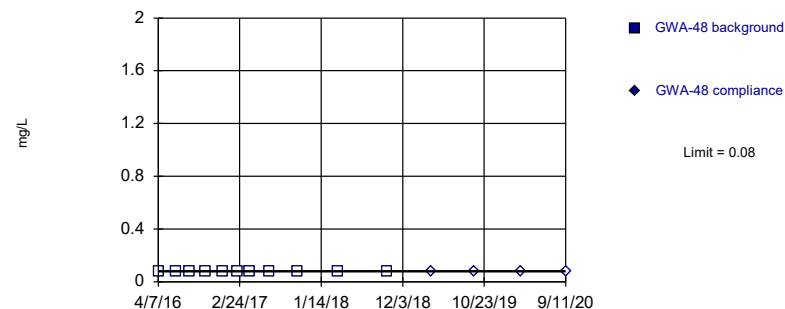
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
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Within Limit

Prediction Limit  
 Intrawell Non-parametric



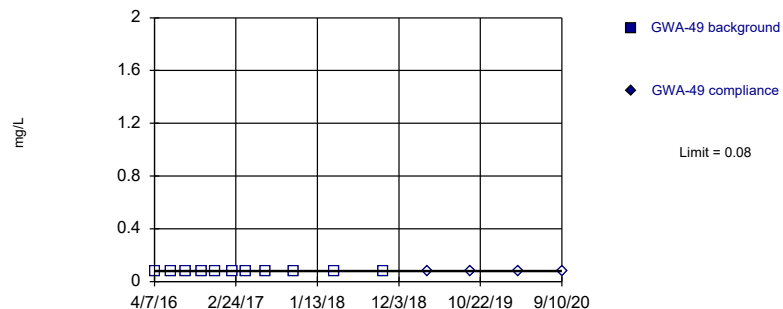
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
 Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
 Intrawell Non-parametric



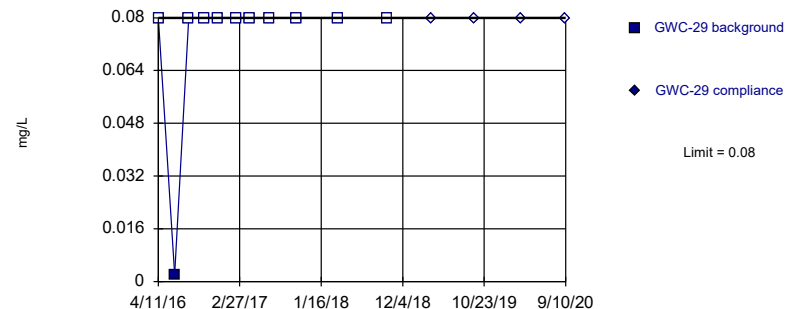
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit

Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

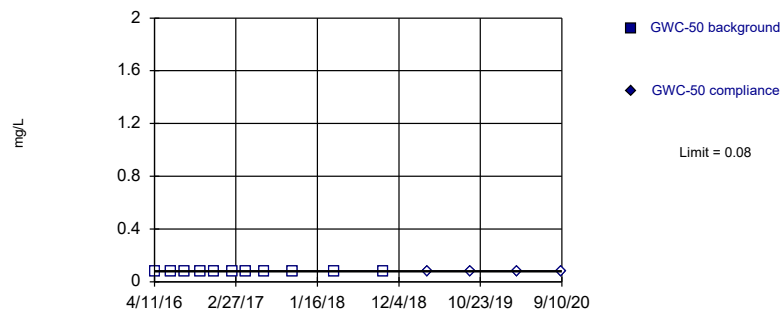
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



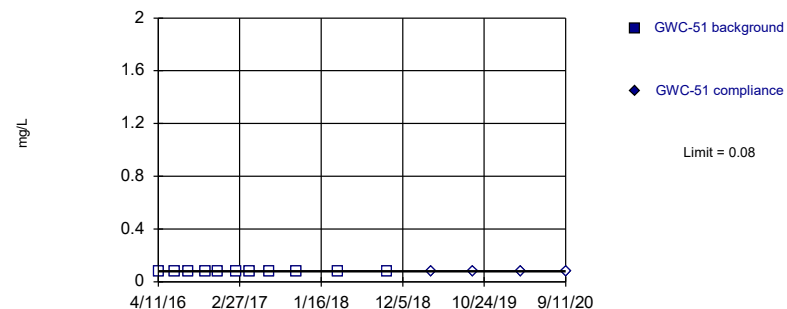
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit

**Prediction Limit**  
Intrawell Non-parametric



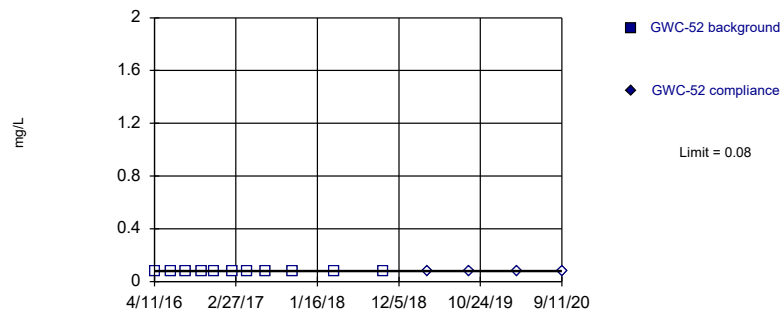
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



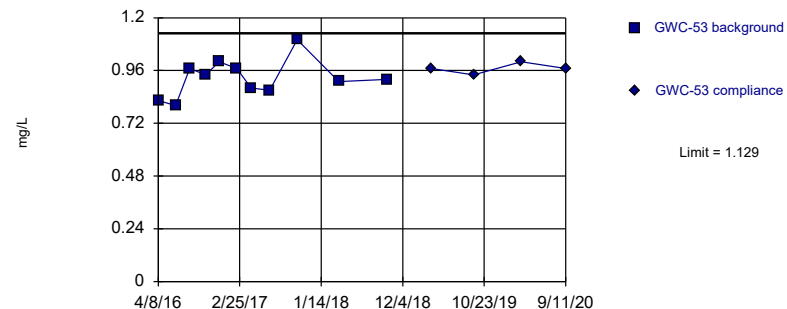
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit

**Prediction Limit**  
Intrawell Parametric



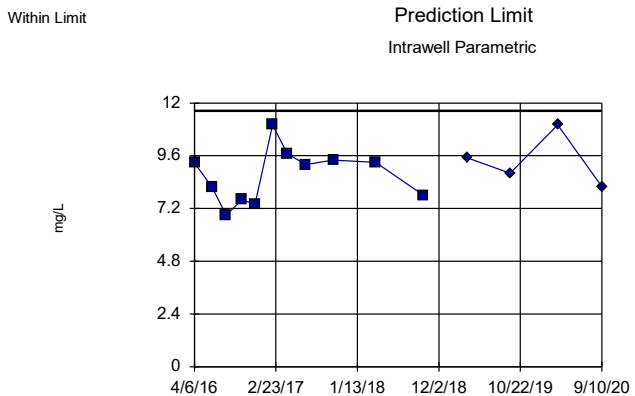
Background Data Summary: Mean=0.9258, Std. Dev.=0.08464, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Boron, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

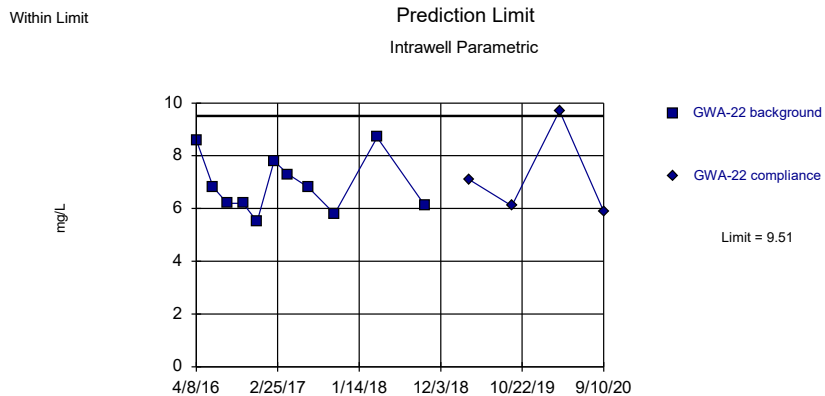
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Background Data Summary: Mean=8.706, Std. Dev.=1.221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.



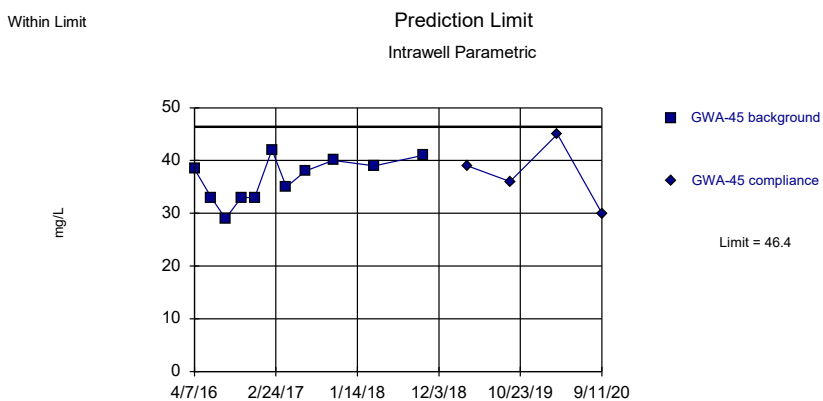
Background Data Summary: Mean=6.891, Std. Dev.=1.091, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

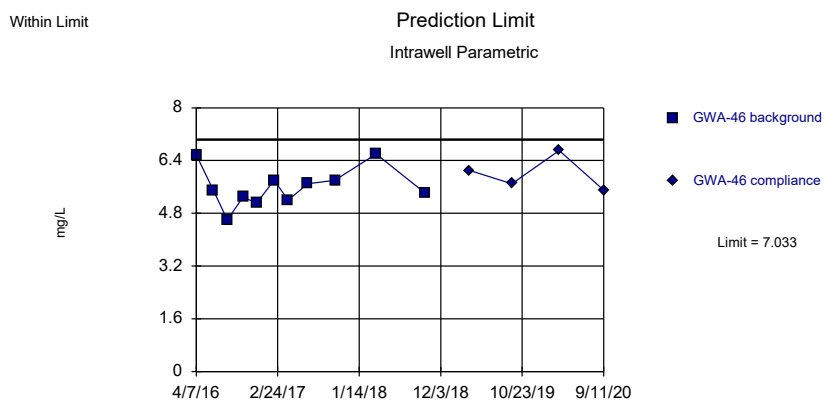
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Background Data Summary: Mean=36.48, Std. Dev.=4.133, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9356, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.



Background Data Summary: Mean=5.597, Std. Dev.=0.5984, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9408, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

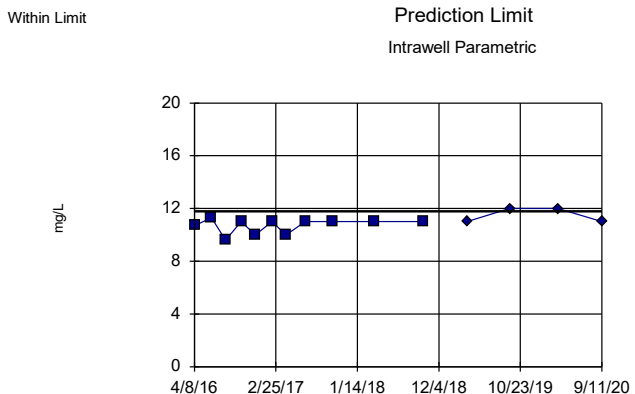
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Constituent: Calcium, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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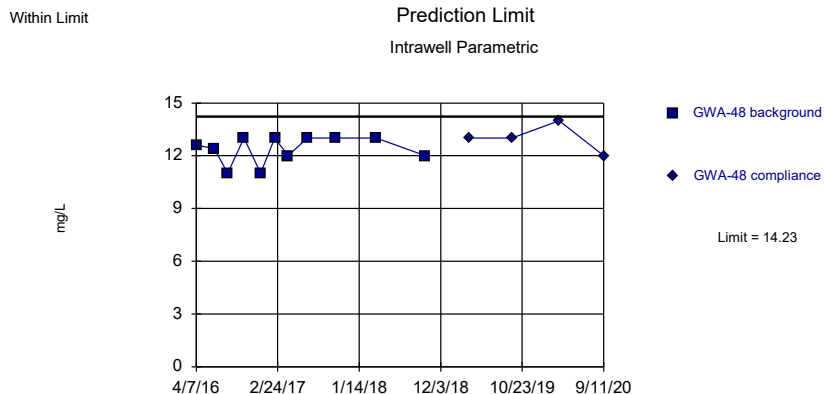
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Background Data Summary (based on  $x^4$  transformation): Mean=13250, Std. Dev.=2544, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.797, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

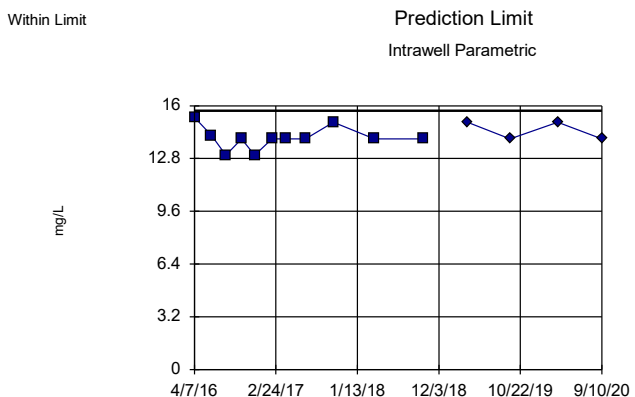


Background Data Summary: Mean=12.36, Std. Dev.=0.7788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7935, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

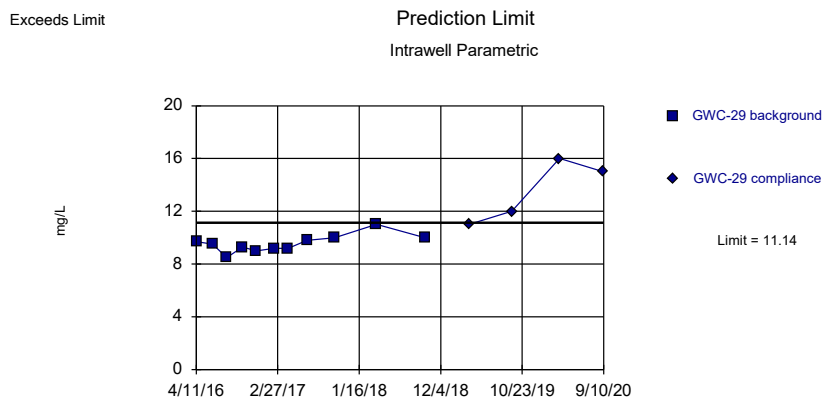
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Background Data Summary: Mean=14.05, Std. Dev.=0.6861, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8467, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:02 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



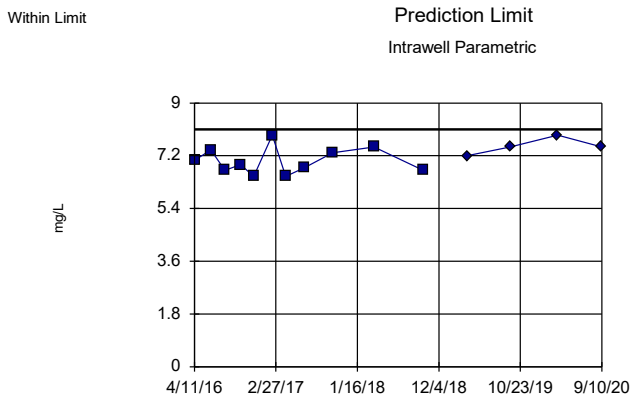
Background Data Summary: Mean=9.564, Std. Dev.=0.6562, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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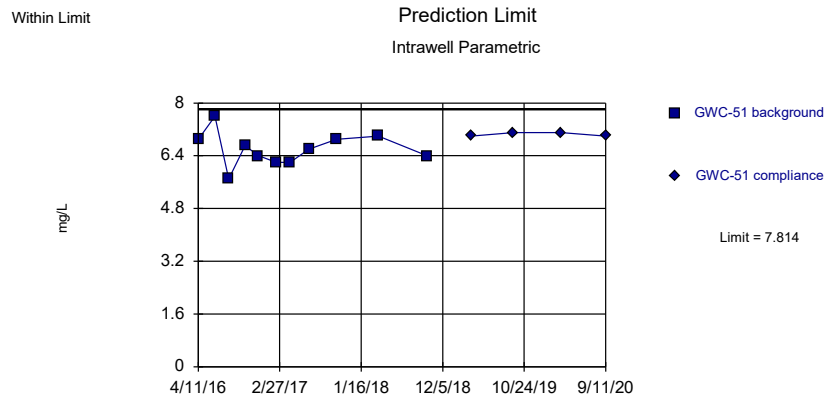
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG



Background Data Summary: Mean=7.022, Std. Dev.=0.4513, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

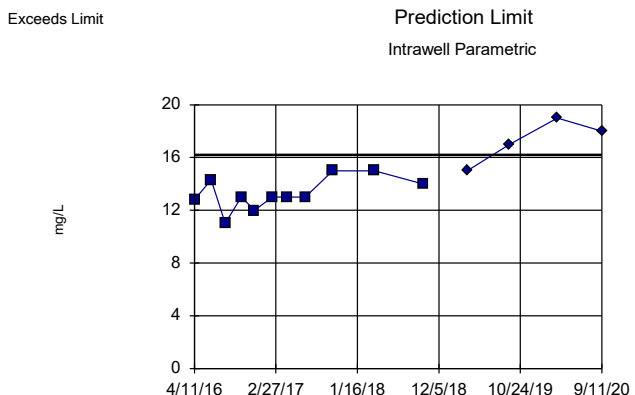
Constituent: Calcium, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Background Data Summary: Mean=6.6, Std. Dev.=0.506, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.975, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

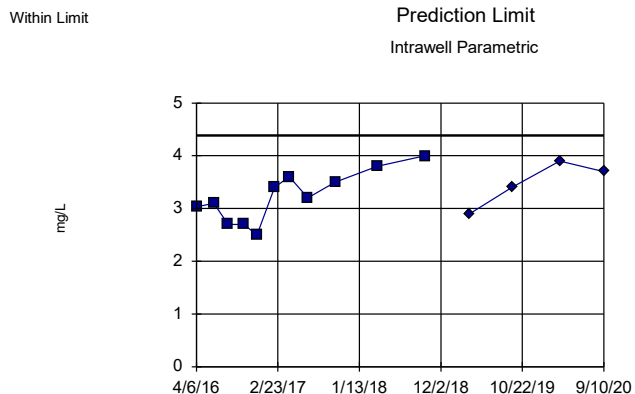
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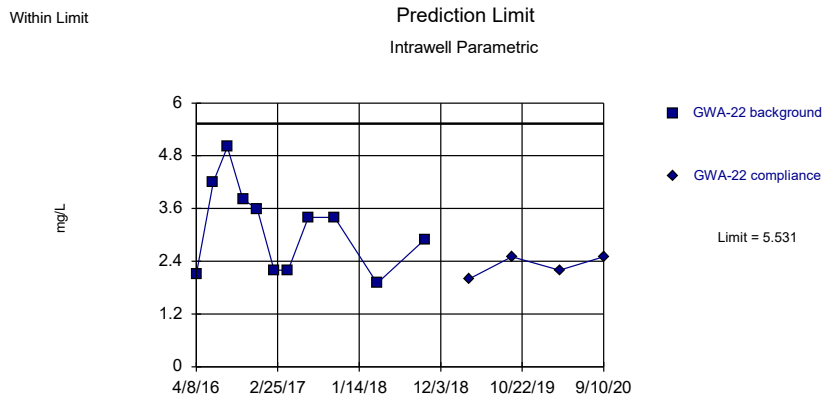
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Background Data Summary: Mean=3.23, Std. Dev.=0.4804, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9695, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.



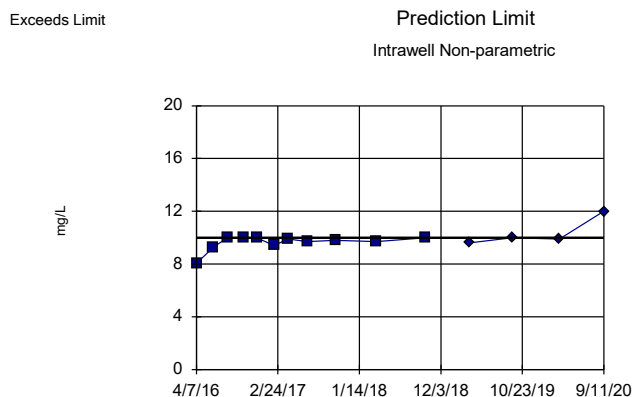
Background Data Summary: Mean=3.155, Std. Dev.=0.9903, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

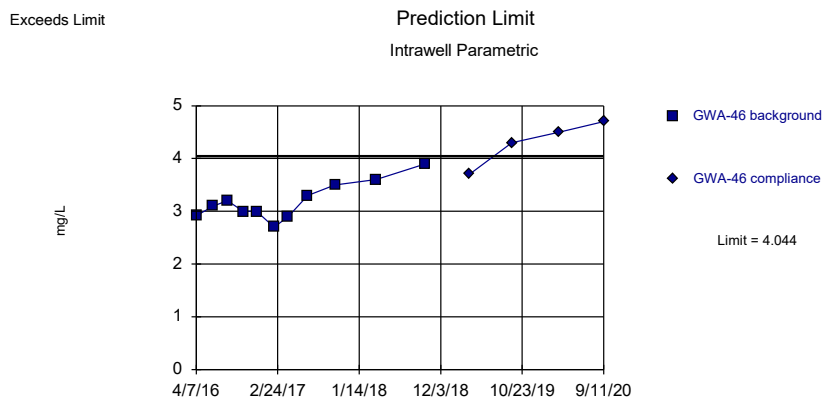
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

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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 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).



Background Data Summary: Mean=3.192, Std. Dev.=0.3551, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

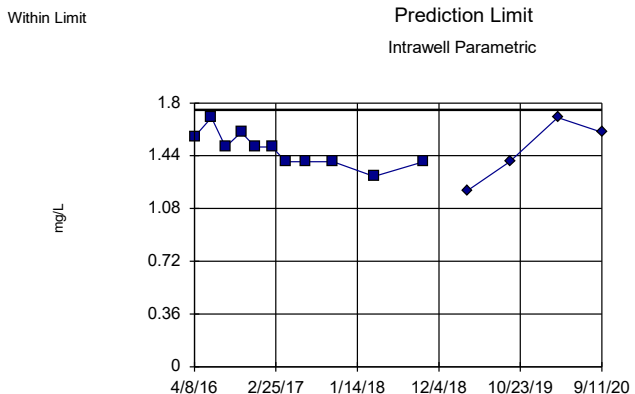
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Constituent: Chloride, Total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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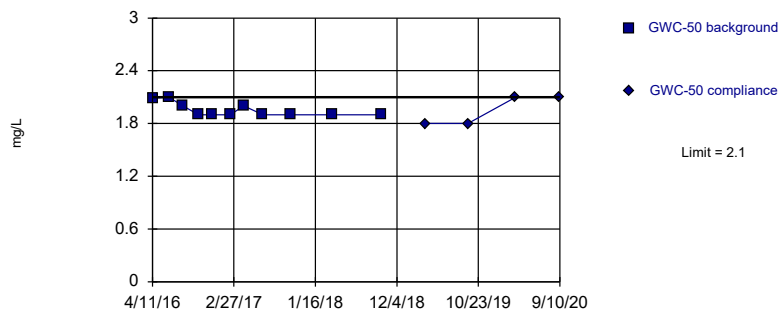


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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

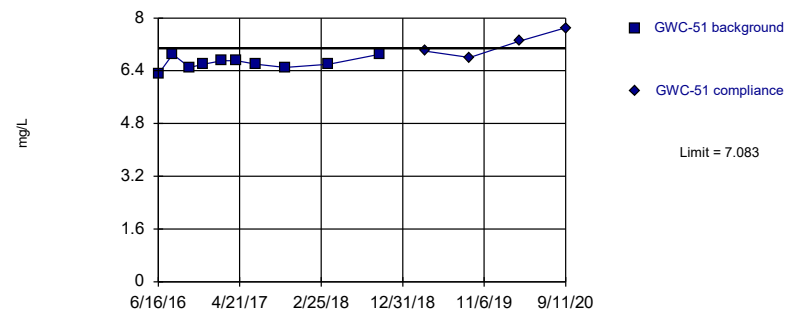
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

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 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Exceeds Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=6.63, Std. Dev.=0.1829, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

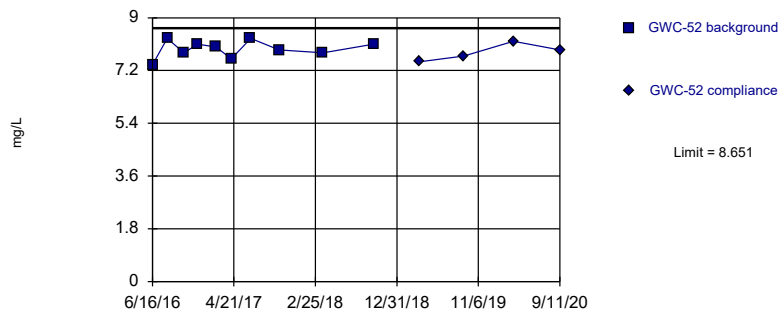
Constituent: Chloride, Total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Constituent: Chloride, Total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

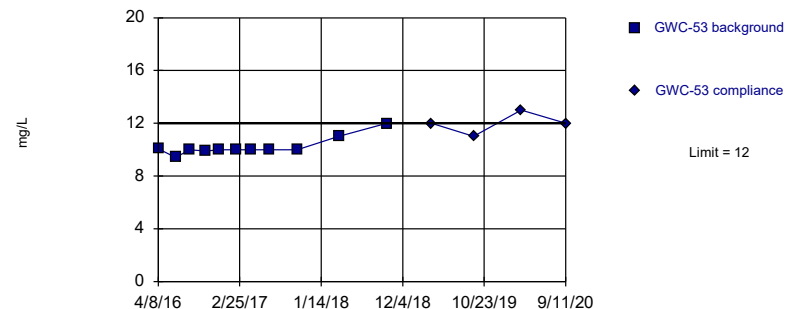
Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=7.93, Std. Dev.=0.2908, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Within Limit Prediction Limit  
Intrawell Non-parametric



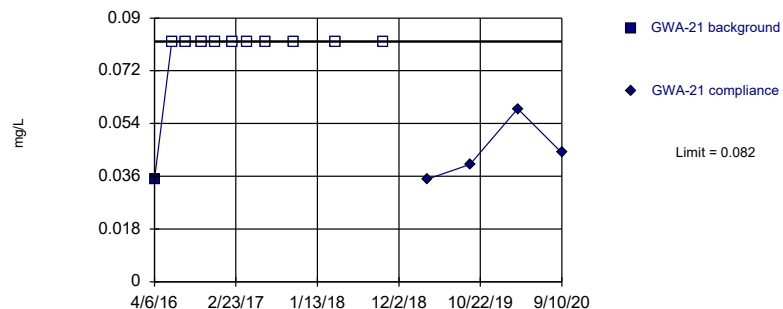


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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



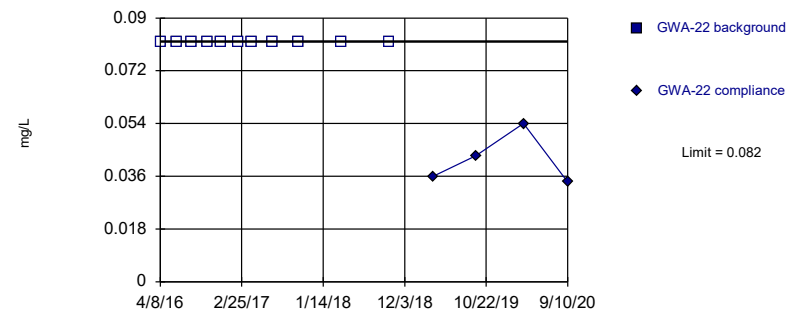
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



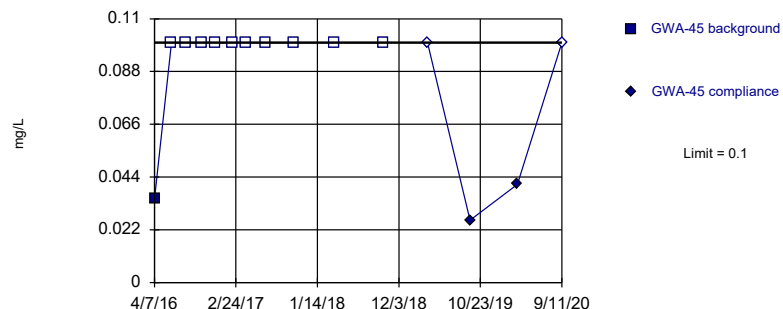
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



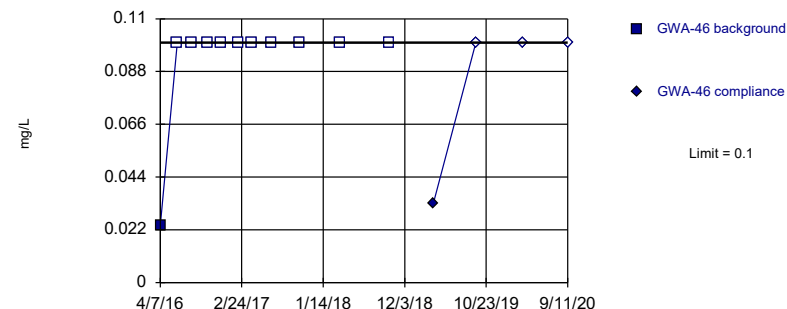
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

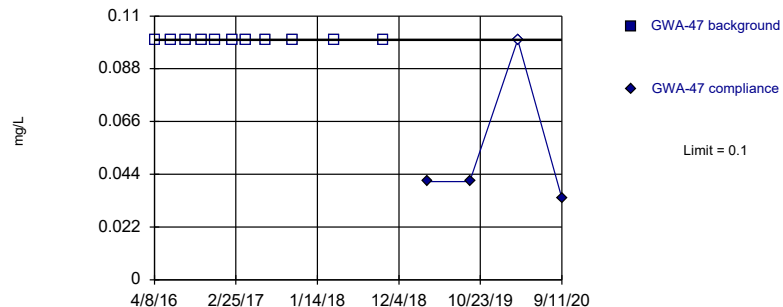
Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



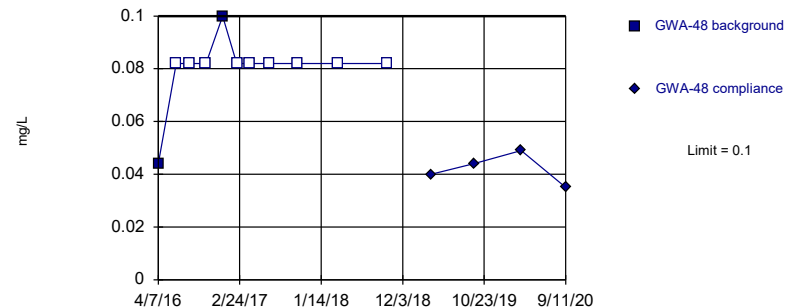
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



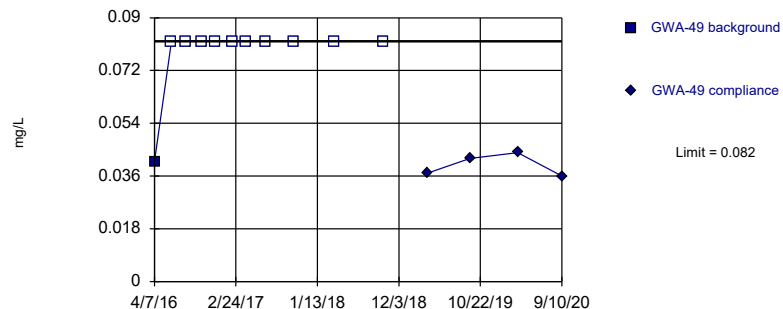
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



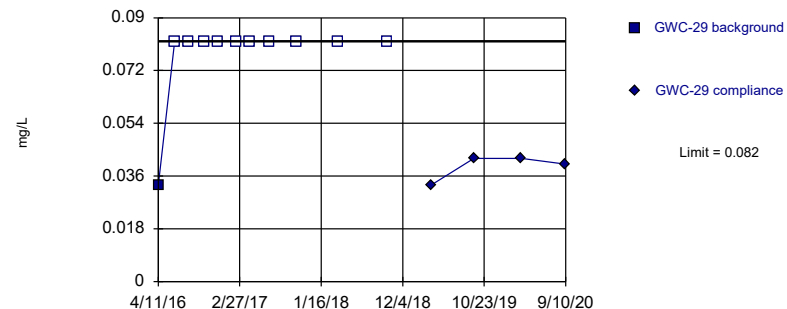
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

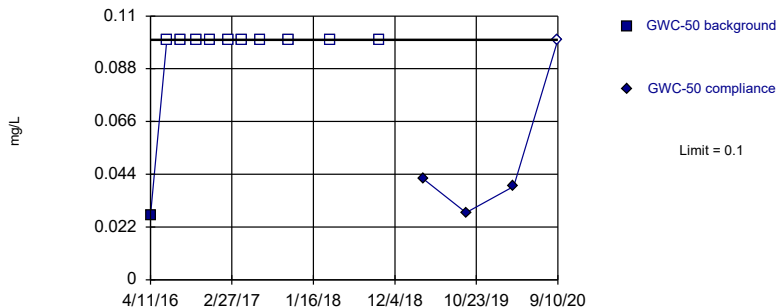
Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



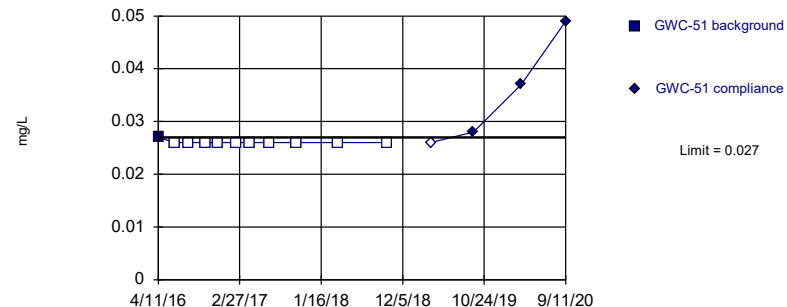
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



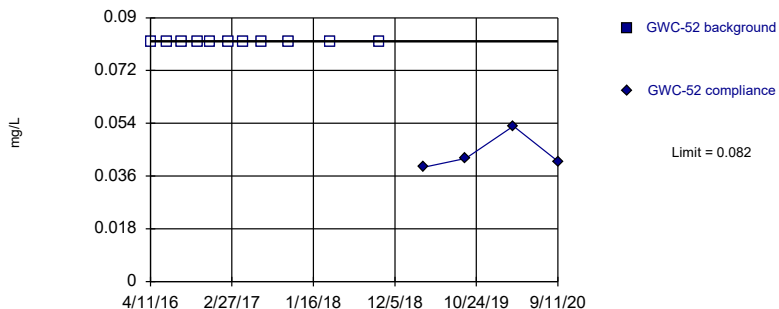
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



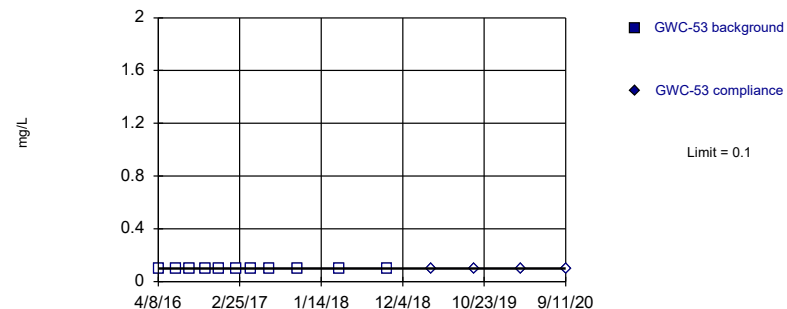
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 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%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Fluoride, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

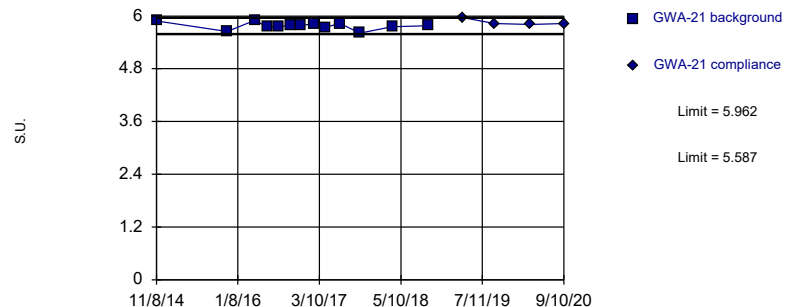
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Within Limits

**Prediction Limit  
Intrawell Parametric**

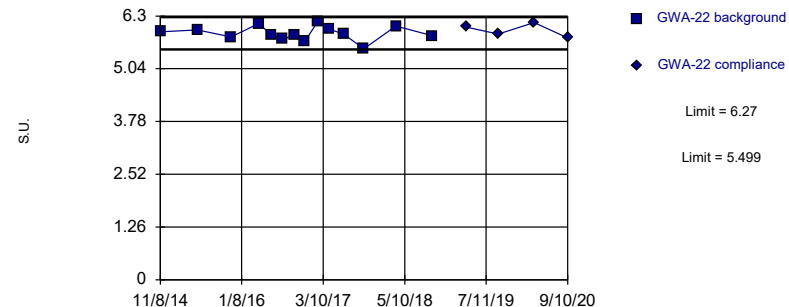


Background Data Summary: Mean=5.775, Std. Dev.=0.08222, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

**Prediction Limit  
Intrawell Parametric**



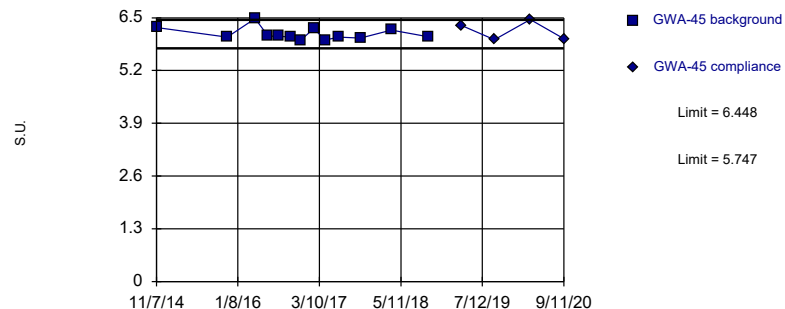
Background Data Summary: Mean=5.884, Std. Dev.=0.1725, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9782, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit  
Intrawell Parametric**



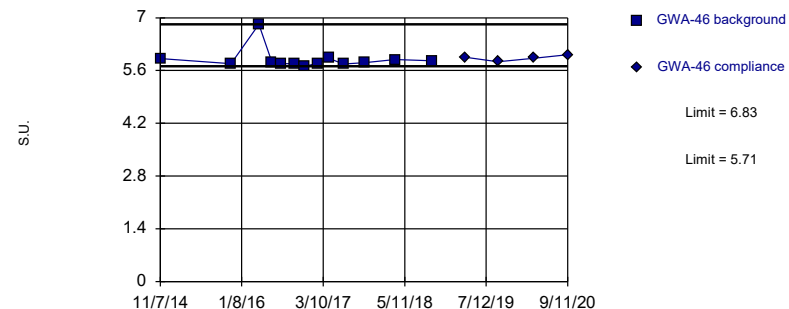
Background Data Summary: Mean=6.098, Std. Dev.=0.1537, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8145, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

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 13 background values. Well-constituent pair annual alpha = 0.03858. Individual comparison alpha = 0.01938 (1 of 2).

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

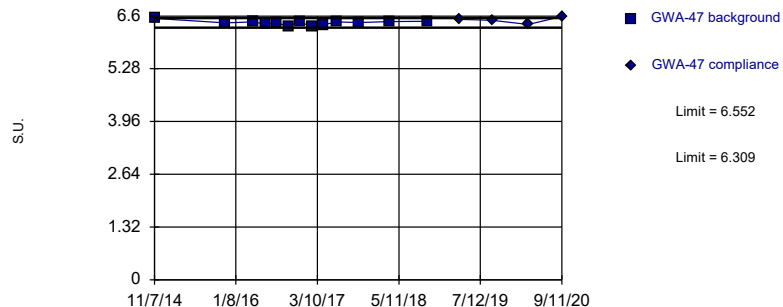
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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limits

**Prediction Limit**  
Intrawell Parametric

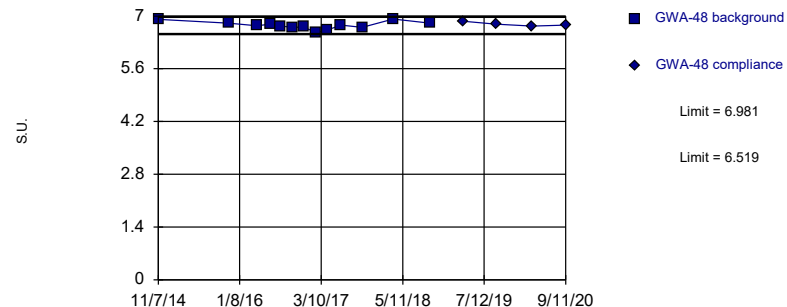


Background Data Summary: Mean=6.431, Std. Dev.=0.05427, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9237, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

**Prediction Limit**  
Intrawell Parametric



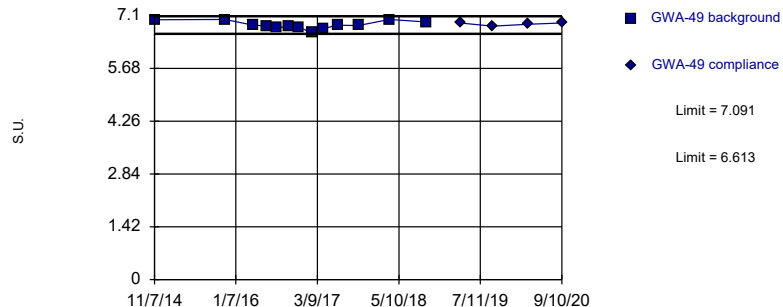
Background Data Summary: Mean=6.75, Std. Dev.=0.1012, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limits

**Prediction Limit**  
Intrawell Parametric



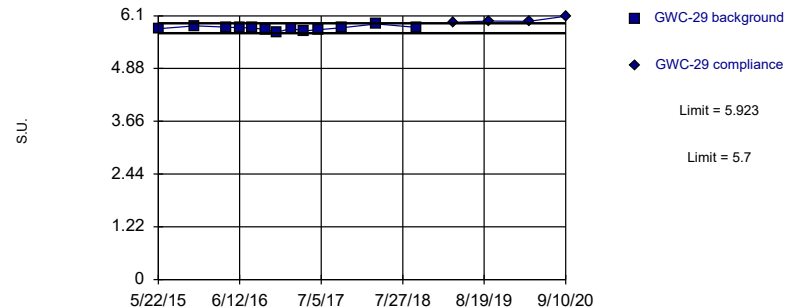
Background Data Summary: Mean=6.852, Std. Dev.=0.1048, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limits

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=5.812, Std. Dev.=0.04896, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

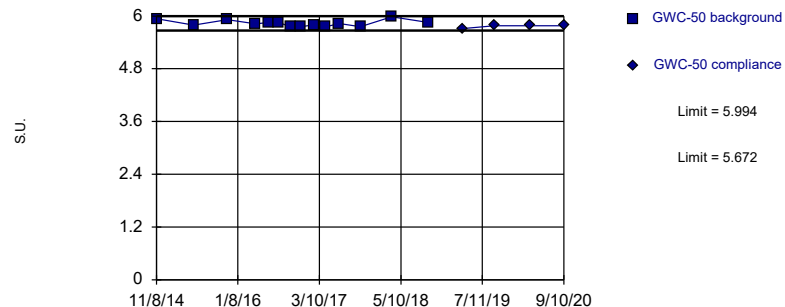
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ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION**

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limits

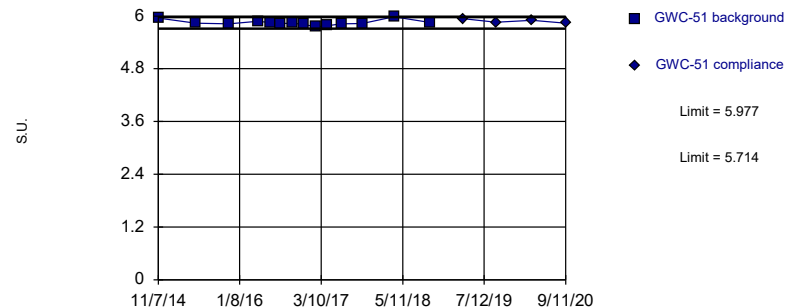
**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=5.833, Std. Dev.=0.07205, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9069, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Within Limits

**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=5.846, Std. Dev.=0.0588, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

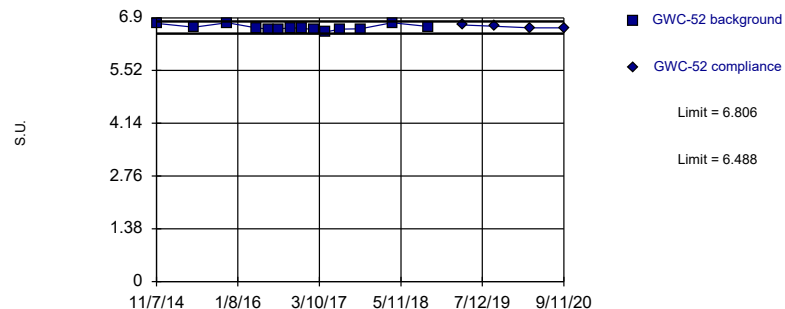
Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limits

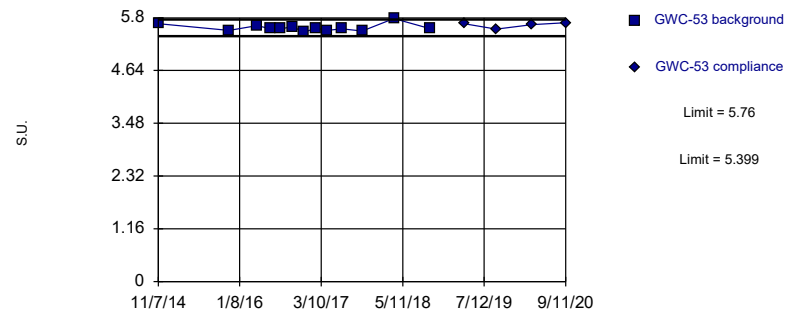
**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=6.647, Std. Dev.=0.07119, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8936, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Within Limits

**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=5.579, Std. Dev.=0.07921, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

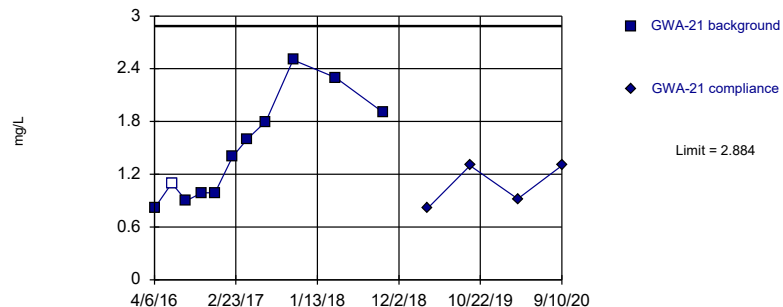
Constituent: pH Analysis Run 11/12/2020 5:03 PM View: Appendix III  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



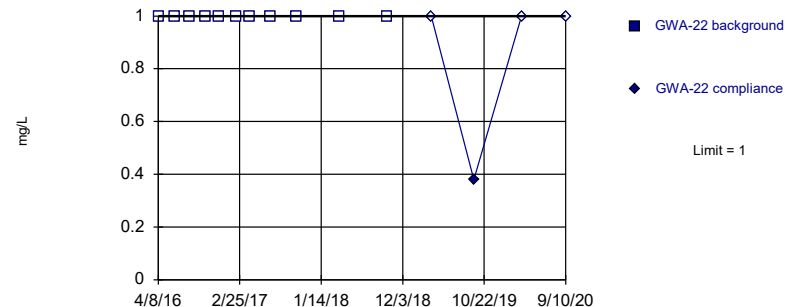
Background Data Summary: Mean=1.481, Std. Dev.=0.5847, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



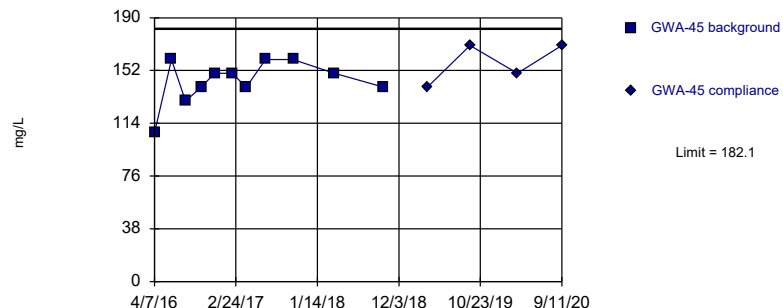
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



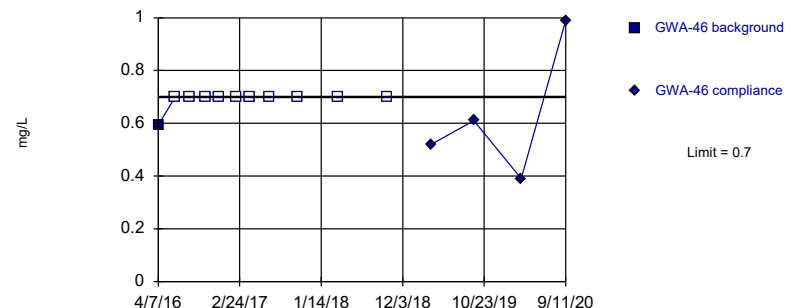
Background Data Summary: Mean=144.3, Std. Dev.=15.75, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

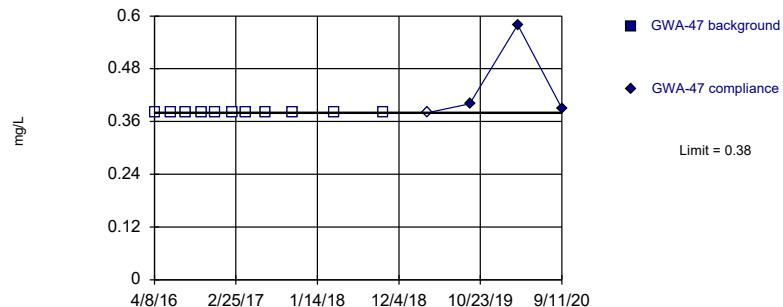
Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



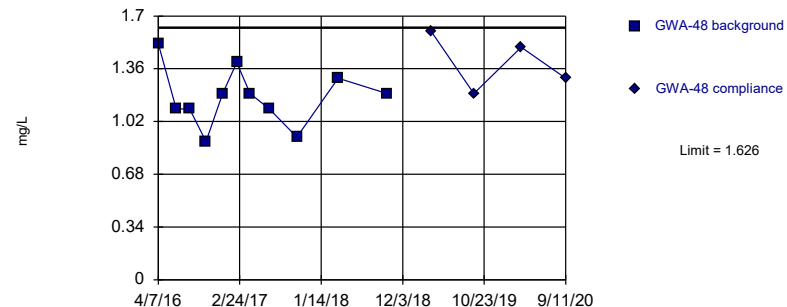
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



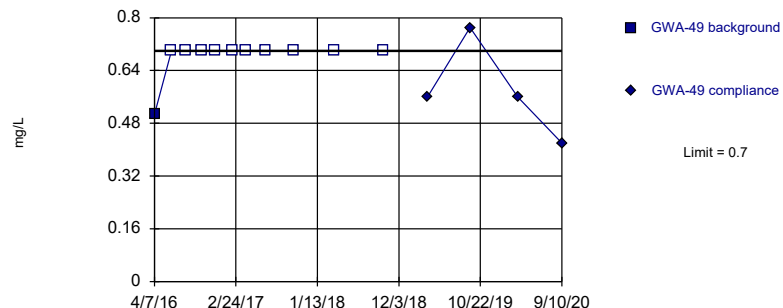
Background Data Summary: Mean=1.176, Std. Dev.=0.1875, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Non-parametric



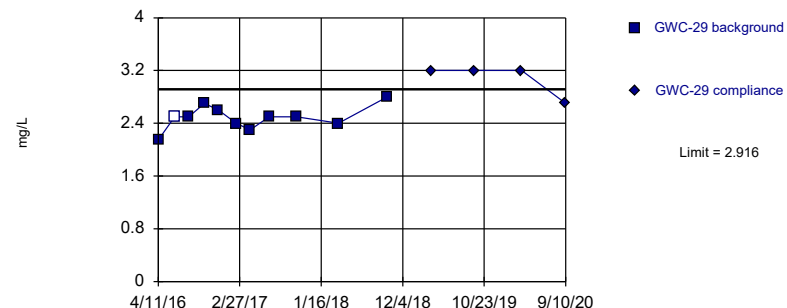
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

**Prediction Limit**  
Intrawell Parametric



Background Data Summary: Mean=2.486, Std. Dev.=0.179, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9652, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

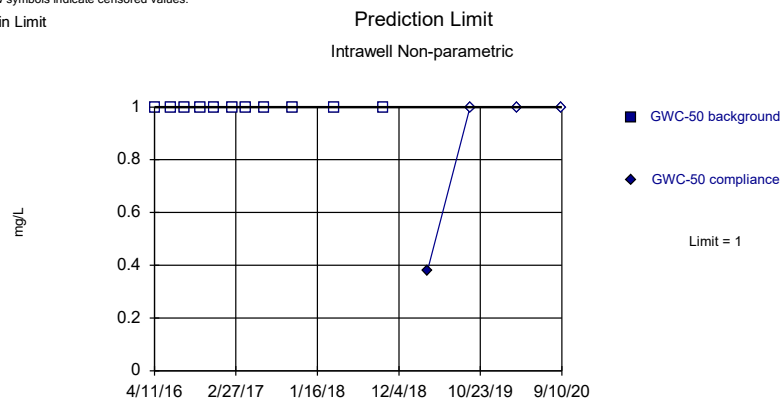
Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



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Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

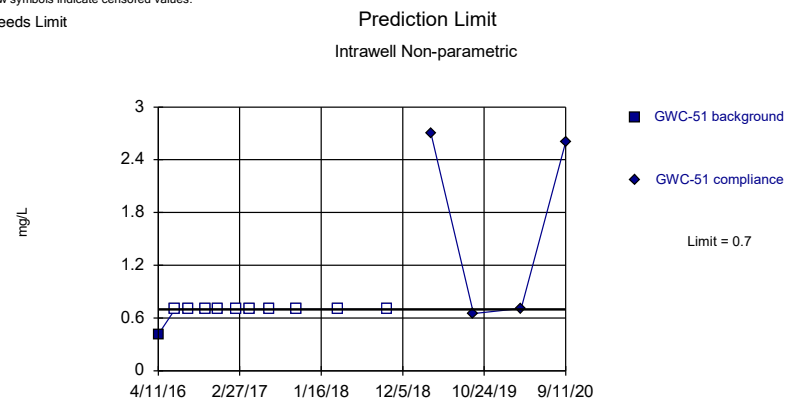


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

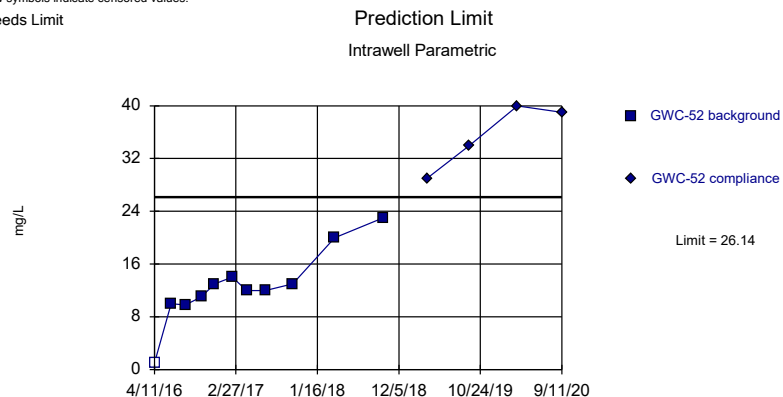


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Exceeds Limit

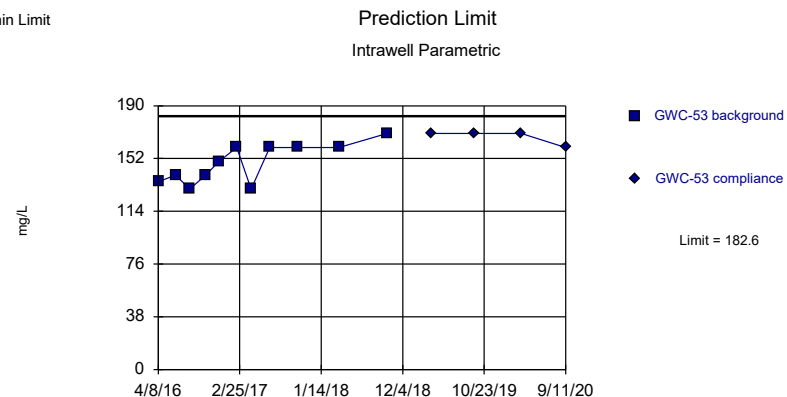


Background Data Summary: Mean=12.62, Std. Dev.=5.636, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 11/12/2020 5:03 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Within Limit



Background Data Summary: Mean=148.7, Std. Dev.=14.12, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8913, 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 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

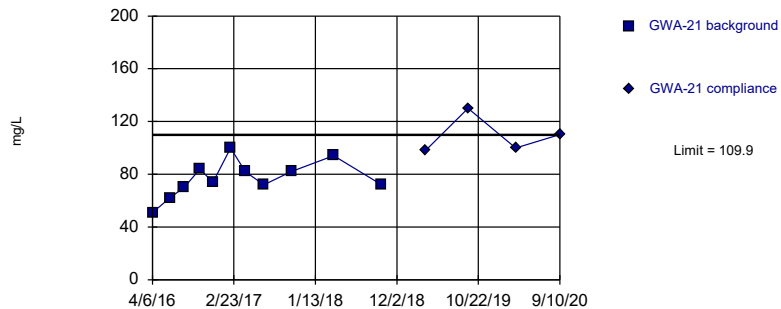
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Exceeds Limit

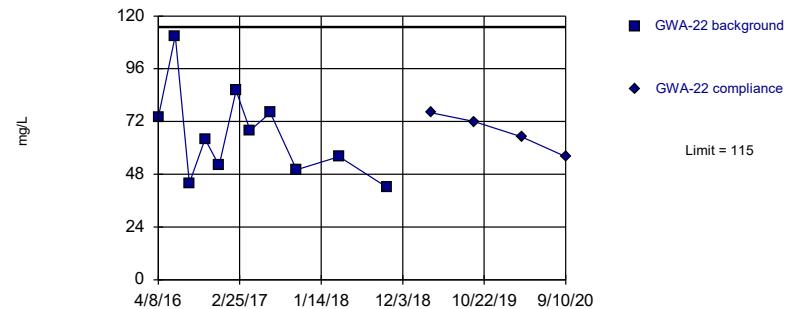
**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=76.64, Std. Dev.=13.87, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.976, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Within Limit

**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=65.73, Std. Dev.=20.51, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.926, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

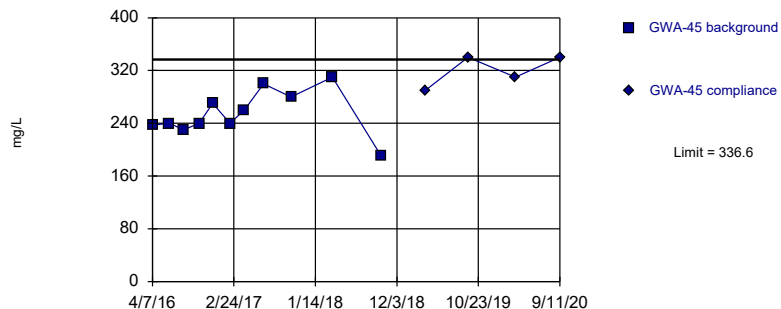
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limit

**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=254.3, Std. Dev.=34.3, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9514, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

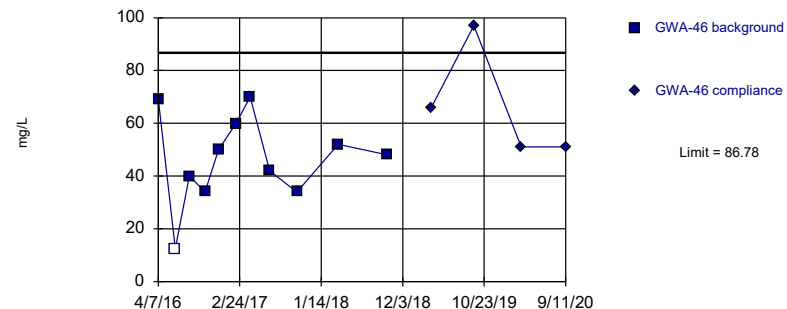
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

Within Limit

**Prediction Limit  
Intrawell Parametric**



Background Data Summary: Mean=46.5, Std. Dev.=16.78, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9584, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

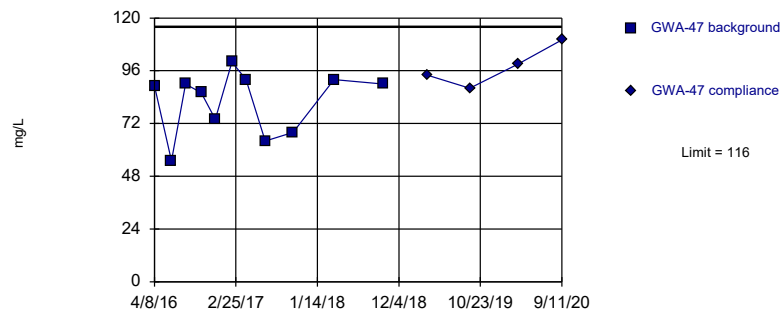
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Within Limit

**Prediction Limit**  
Intrawell Parametric

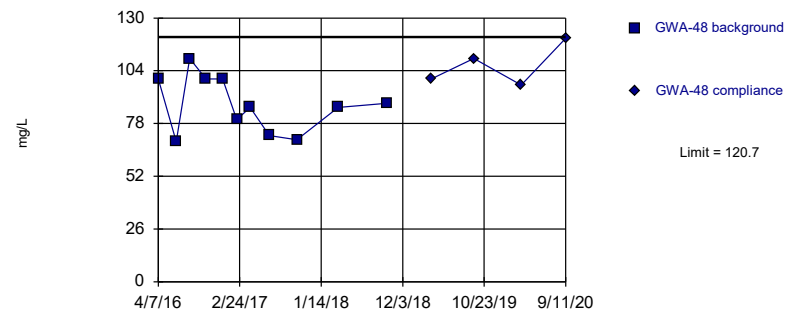


Background Data Summary: Mean=81.82, Std. Dev.=14.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

**Prediction Limit**  
Intrawell Parametric



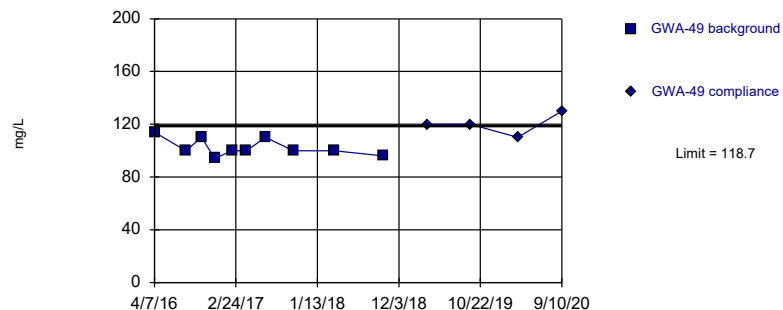
Background Data Summary: Mean=87.36, Std. Dev.=13.87, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Exceeds Limit

**Prediction Limit**  
Intrawell Parametric



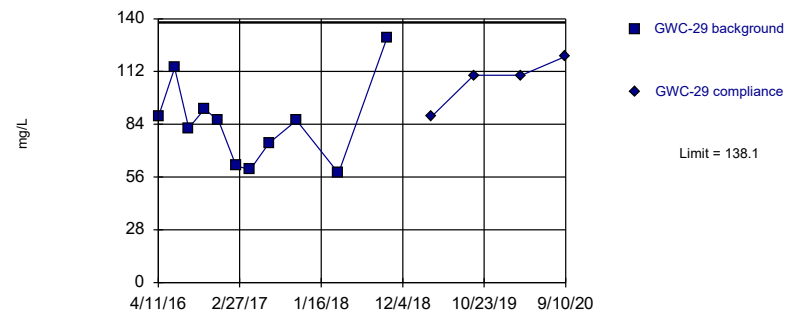
Background Data Summary: Mean=102.4, Std. Dev.=6.586, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8509, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

**Prediction Limit**  
Intrawell Parametric



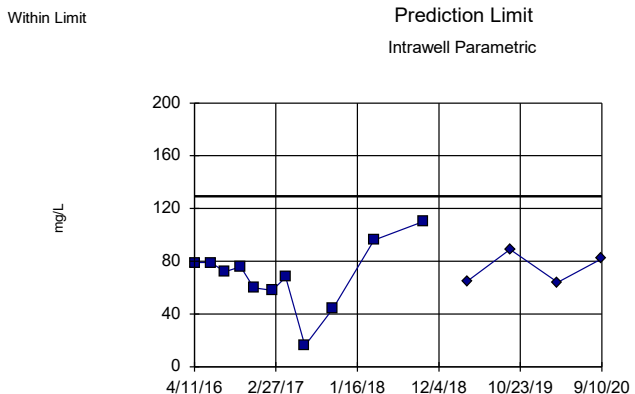
Background Data Summary: Mean=84.73, Std. Dev.=22.22, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/12/2020 5:04 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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

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**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.08	
6/14/2016	<0.08	
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	
6/26/2017	<0.08	
10/9/2017	<0.08	
3/26/2018	<0.08 (D)	
10/3/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08
9/10/2020		<0.08

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**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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

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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	<0.08	
6/14/2016	<0.08	
8/9/2016	<0.08	
10/10/2016	<0.08	
12/2/2016	<0.08	
2/10/2017	<0.08	
4/7/2017	<0.08	
6/23/2017	<0.08	
10/10/2017	<0.08	
3/23/2018	<0.08	
10/4/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08
9/11/2020		<0.08



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**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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

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PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	<0.08	
6/14/2016	<0.08	
8/9/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<0.08	
2/9/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/22/2018	<0.08	
10/3/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08
9/10/2020		<0.08

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	<0.08	
6/15/2016	<0.08	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<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	
10/4/2018	<0.08	
3/28/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08
9/10/2020		<0.08

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	<0.08	
6/16/2016	<0.08	
8/10/2016	<0.08	
10/13/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/11/2017	<0.08	
3/26/2018	<0.08	
10/4/2018	<0.08	
3/27/2019		<0.08
9/12/2019		<0.08
3/19/2020		<0.08
9/11/2020		<0.08

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/13/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/11/2017	<0.08	
6/24/2017	<0.08	
10/11/2017	<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
9/11/2020		<0.08

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Boron, total (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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	<0.026	
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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Fluoride, total (mg/L) Analysis Run 11/12/2020 5:05 PM View: 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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	<0.7	
8/9/2016	<0.7	
10/10/2016	<0.7	
12/2/2016	<0.7	
2/10/2017	<0.7	
4/7/2017	<0.7	
6/23/2017	<0.7	
10/10/2017	<0.7	
3/23/2018	<0.7	
10/4/2018	<0.7	
3/27/2019		0.52 (J)
9/12/2019		0.61 (J)
3/19/2020		0.39 (J)
9/11/2020		0.99 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 PM 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)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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	<0.7	
8/9/2016	<0.7	
10/11/2016	<0.7	
12/2/2016	<0.7	
2/9/2017	<0.7	
4/7/2017	<0.7	
6/22/2017	<0.7	
10/10/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/27/2019		0.56 (J)
9/12/2019		0.77 (J)
3/19/2020		0.56 (J)
9/10/2020		0.42 (J)

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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



PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/12/2020 5:05 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



FIGURE H.

## Interwell Prediction Limits Summary (Federal) - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/12/2020, 5:08 PM

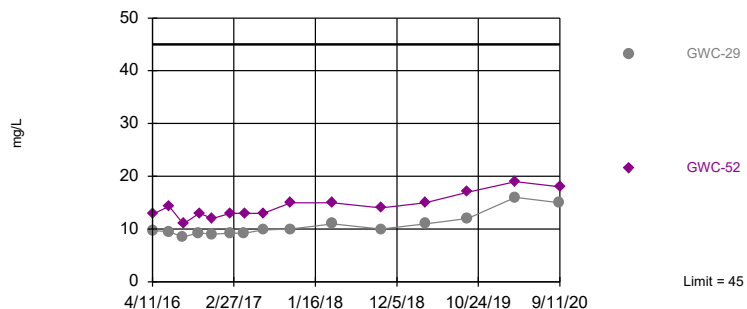
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-29	45	n/a	9/10/2020	15	No	105	n/a	n/a	0	n/a	n/a	0.0001788	NP (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	9/11/2020	18	No	105	n/a	n/a	0	n/a	n/a	0.0001788	NP (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	12	n/a	9/11/2020	7.7	No	104	n/a	n/a	0	n/a	n/a	0.0001817	NP (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	9/10/2020	6.09	No	122	n/a	n/a	0	n/a	n/a	0.0002631	NP (normality) 1 of 2
Sulfate, total (mg/L)	GWC-51	170	n/a	9/11/2020	2.6	No	105	n/a	n/a	44.76	n/a	n/a	0.0001788	NP (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	170	n/a	9/11/2020	39	No	105	n/a	n/a	44.76	n/a	n/a	0.0001788	NP (normality) 1 of 2

PRIVILEGED AND CONFIDENTIAL  
ATTORNEY-CLIENT PRIVILEGED  
PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Within Limit

Prediction Limit  
Interwell Non-parametric



PRIVILEGED AND CONFIDENTIAL  
 ATTORNEY-CLIENT PRIVILEGED  
 PREPARED IN ANTICIPATION OF LITIGATION  
**Prediction Limit**

Constituent: Calcium, total (mg/L) Analysis Run 11/12/2020 5:08 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-29	GWC-52
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	12.8
6/14/2016	8.2	32.9	5.5		14.2	6.8	11.3		
6/15/2016								9.5	
6/16/2016									14.3
6/17/2016				12.4					
8/9/2016		29	4.6		13	6.2	9.6		
8/10/2016	6.9			11				8.5	
8/11/2016									11
10/10/2016		33	5.3						
10/11/2016	7.6				14	6.2	11	9.3	
10/13/2016									13
10/14/2016				13					
12/2/2016	7.4	33	5.1		13				
12/5/2016						5.5	10	9	12
12/19/2016				11					
2/9/2017		42			14				
2/10/2017	11		5.8			7.8	11		
2/13/2017				13				9.2	13
4/7/2017		35	5.2	12	14	7.3	10		
4/10/2017	9.7							9.2	
4/11/2017									13
6/22/2017		38		13	14		11		
6/23/2017	9.2		5.7					9.8	
6/24/2017									13
6/26/2017						6.8			
10/9/2017	9.4					5.8			
10/10/2017		40	5.8	13	15		11	10	
10/11/2017									15
3/22/2018		39 (D)			14		11		
3/23/2018			6.6	13					
3/26/2018	9.3					8.7		11	15
10/3/2018	7.8	41		12	14	6.1			
10/4/2018			5.4					10	14
10/5/2018							11		
3/27/2019	9.5	39	6.1	13	15	7.1	11		
3/28/2019								11	15
9/12/2019	8.8	36	5.7	13	14	6.1	12	12	17
3/19/2020	11	45	6.7	14	15	9.7		16	19
3/20/2020							12		
9/10/2020	8.2				14	5.9		15	
9/11/2020		30	5.5	12			11		18

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**Prediction Limit**

Constituent: Chloride, Total (mg/L) Analysis Run 11/12/2020 5:08 PM View: Appendix III - Interwell  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-22 (bg)	GWC-51
4/6/2016	3.034							
4/7/2016		8.05	1.842	2.285	2.914			
4/8/2016						1.57	2.1	
4/11/2016								2.09 (O)
6/14/2016	3.1	9.3		2.3	3.1	1.7	4.2	
6/16/2016								6.3
6/17/2016			1.9					
8/9/2016		10		2.3	3.2	1.5	5	
8/10/2016	2.7		1.8					6.9
10/10/2016		10			3			
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	10		2	3			
12/5/2016						1.5	3.6	6.6
12/19/2016			2.7 (O)					
2/9/2017		9.4		2.1				
2/10/2017	3.4				2.7	1.5	2.2	
2/13/2017			1.8					6.7
4/7/2017		9.9	1.7	2	2.9	1.4	2.2	
4/10/2017	3.6							6.7
6/22/2017		9.7	1.7	2		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		9.8	1.6	2	3.5	1.4		
10/11/2017								6.5
3/22/2018		9.7 (D)		1.9		1.3		
3/23/2018			1.6		3.6			
3/26/2018	3.8						1.9 (D)	6.6
10/3/2018	4	10	1.6	2			2.9	
10/4/2018					3.9			6.9
10/5/2018						1.4		
3/27/2019	2.9	9.6	1.5	1.9	3.7	1.2	2	7
9/12/2019	3.4	10	1.7	1.9	4.3	1.4	2.5	6.8
3/19/2020	3.9	9.9	1.9	2.2	4.5		2.2	7.3
3/20/2020						1.7		
9/10/2020	3.7			2.1			2.5	
9/11/2020		12	1.8		4.7	1.6		7.7

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**Prediction Limit**

Constituent: pH (S.U.) Analysis Run 11/12/2020 5:08 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			

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**Prediction Limit**

Constituent: Sulfate, total (mg/L) Analysis Run 11/12/2020 5:08 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-51	GWC-52
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								0.415 (J)	<1
6/14/2016	<1	160	<1		<1	<1	<1		
6/16/2016								<1	10
6/17/2016				1.1					
8/9/2016		130	<1		<1	<1	<1		
8/10/2016	0.9 (J)			1.1				<1	
8/11/2016									9.8
10/10/2016		140	<1						
10/11/2016	0.99 (J)				<1	<1	<1		
10/13/2016								<1	11
10/14/2016				0.89 (J)					
12/2/2016	0.99 (J)	150	<1		<1				
12/5/2016						<1	<1	<1	13
12/19/2016				1.2					
2/9/2017		150			<1				
2/10/2017	1.4		<1			<1	<1		
2/13/2017				1.4				<1	14
4/7/2017		140	<1	1.2	<1	<1	<1		
4/10/2017	1.6							<1	
4/11/2017									12
6/22/2017		160		1.1	<1		<1		
6/23/2017	1.8		<1					<1	
6/24/2017									12
6/26/2017						<1			
10/9/2017	2.5					<1			
10/10/2017		160	<1	0.92 (J)	<1		<1		
10/11/2017								<1	13
3/22/2018		150 (D)			<1		<1		
3/23/2018			<1	1.3					
3/26/2018	2.3					<1 (D)		<1	20
10/3/2018	1.9	140		1.2	<1	<1			
10/4/2018			<1					<1	23
10/5/2018							<1		
3/27/2019	0.81 (J)	140	0.52 (J)	1.6	0.56 (J)	<1	<1	2.7	
3/28/2019									29
9/12/2019	1.3	170	0.61 (J)	1.2	0.77 (J)	0.38 (J)	0.4 (J)	0.65 (J)	34
3/19/2020	0.92 (J)	150	0.39 (J)	1.5	0.56 (J)	<1		0.71 (J)	40
3/20/2020							0.58 (J)		
9/10/2020	1.3				0.42 (J)	<1			
9/11/2020		170	0.99 (J)	1.3			0.39 (J)	2.6	39

## FIGURE I.



## Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 11/16/2020, 9:08 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-29	1.043	70	53	Yes	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.364	70	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4067	74	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.1956	49	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	7.758	89	53	Yes	15	6.667	n/a	n/a	0.01	NP

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## Appendix III Trend Tests - Prediction Limit Exceedances - All Results

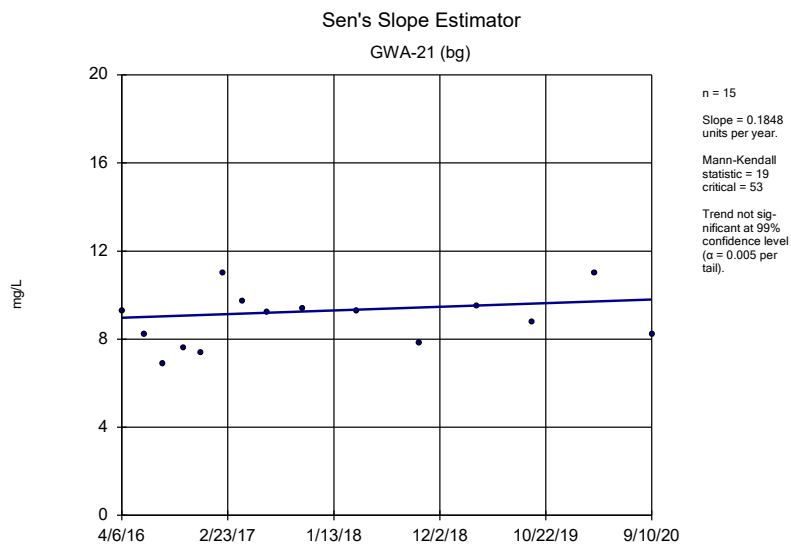
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR    Printed 11/16/2020, 9:08 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1848	19	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	-0.0465	-8	-53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	1.337	31	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.1632	28	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.1536	37	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.1165	26	53	No	15	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	9	53	No	15	0	n/a	n/a	0.01	NP
<b>Calcium, total (mg/L)</b>	<b>GWC-29</b>	<b>1.043</b>	<b>70</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>
<b>Calcium, total (mg/L)</b>	<b>GWC-52</b>	<b>1.364</b>	<b>70</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-21 (bg)	0.2397	49	53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.3971	-36	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.1349	29	53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWA-46 (bg)</b>	<b>0.4067</b>	<b>74</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-47 (bg)	-0.06819	-32	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.06176	-28	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.05677	-44	-53	No	15	0	n/a	n/a	0.01	NP
<b>Chloride, Total (mg/L)</b>	<b>GWC-51</b>	<b>0.1956</b>	<b>49</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	0.009687	20	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.005066	3	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.009074	-15	-63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.02263	36	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.008548	25	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	-0.001266	-5	-63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.004014	6	63	No	17	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.03983	54	63	No	17	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.1122	25	53	No	15	6.667	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-10	-53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	5.294	37	53	No	15	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-8	-53	No	15	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	35	53	No	15	80	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.04356	25	53	No	15	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-11	-53	No	15	66.67	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-51	0	34	53	No	15	66.67	n/a	n/a	0.01	NP
<b>Sulfate, total (mg/L)</b>	<b>GWC-52</b>	<b>7.758</b>	<b>89</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>6.667</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

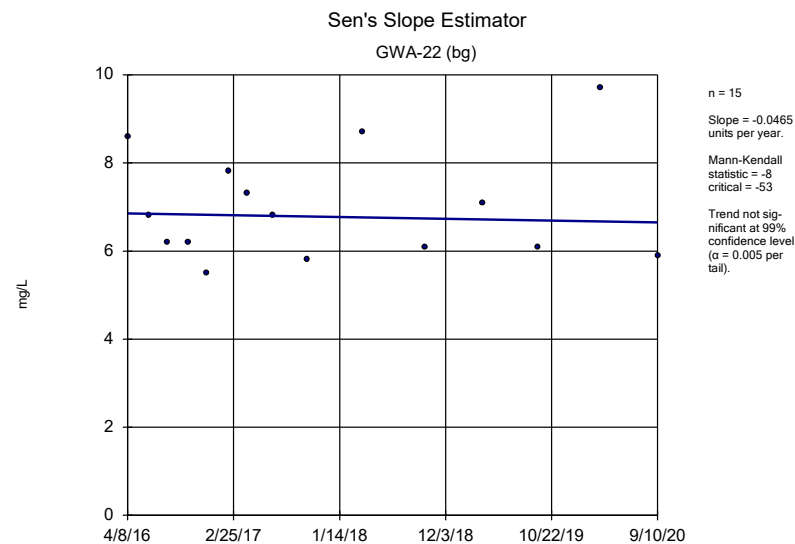
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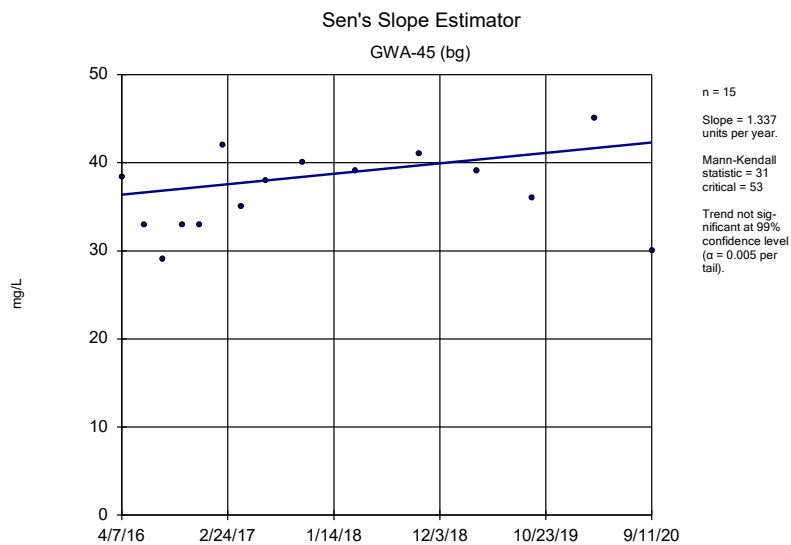
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



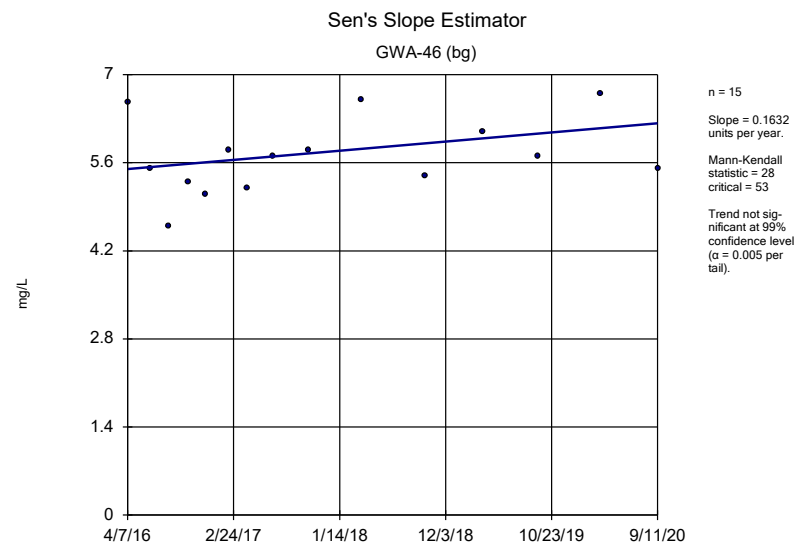
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Constituent: Calcium, total Analysis Run 11/16/2020 9:06 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Constituent: Calcium, total Analysis Run 11/16/2020 9:06 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

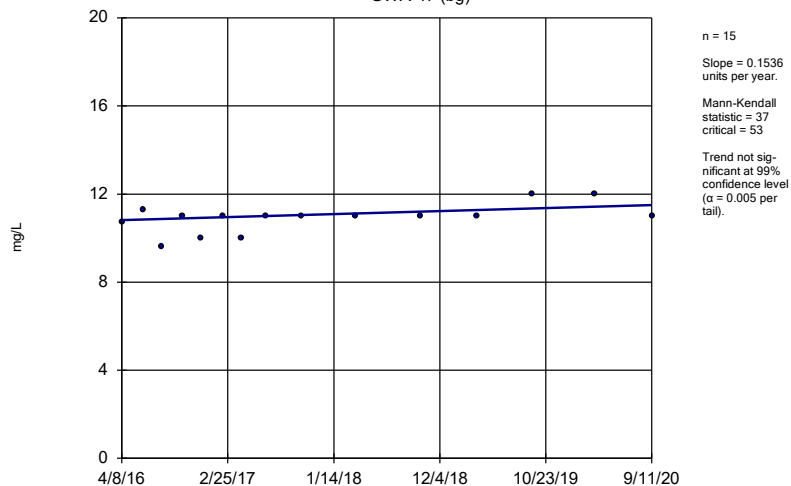
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Sen's Slope Estimator

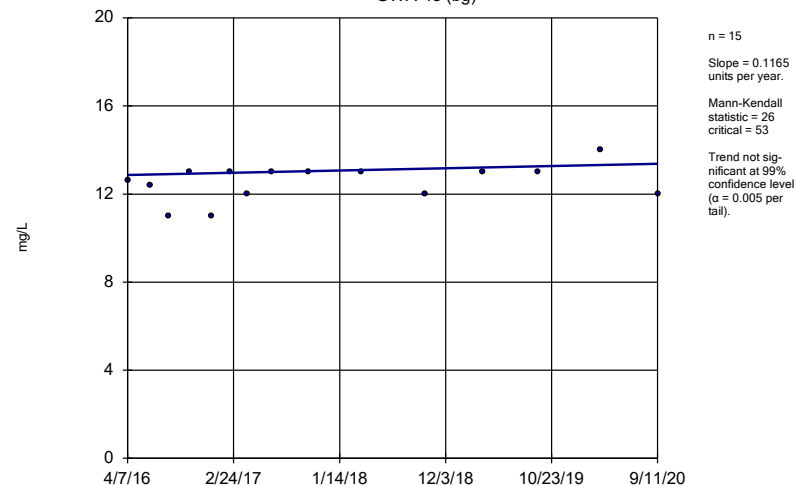
GWA-47 (bg)



Constituent: Calcium, total Analysis Run 11/16/2020 9:06 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-48 (bg)



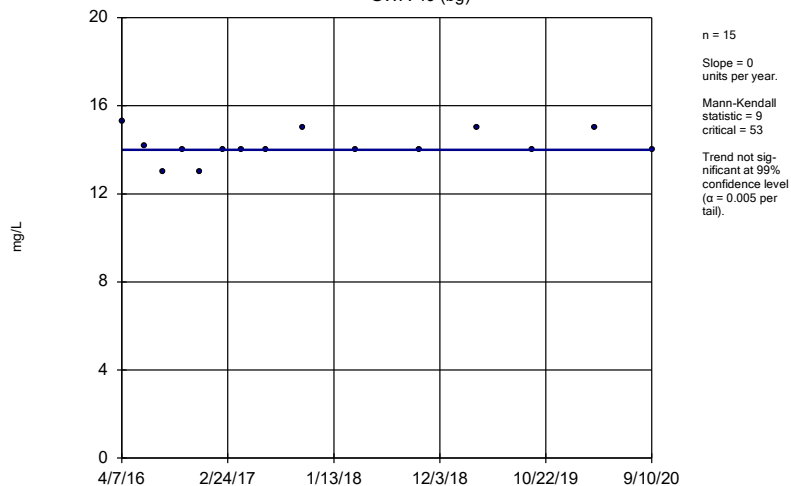
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sen's Slope Estimator

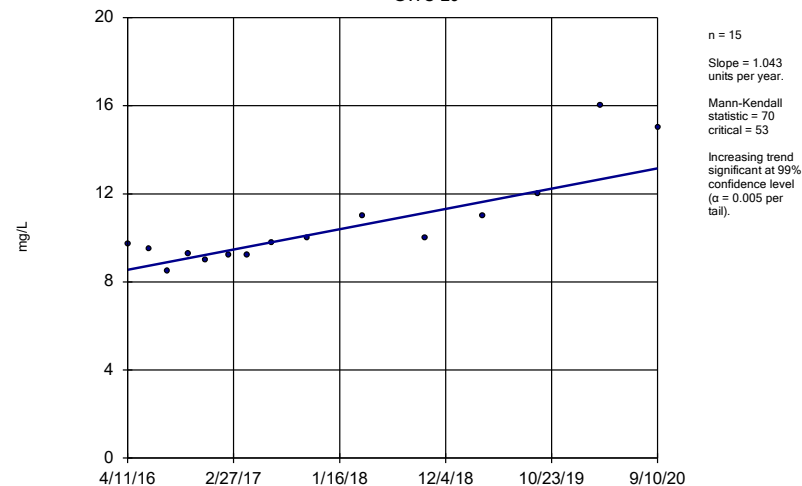
GWA-49 (bg)



Constituent: Calcium, total Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWC-29

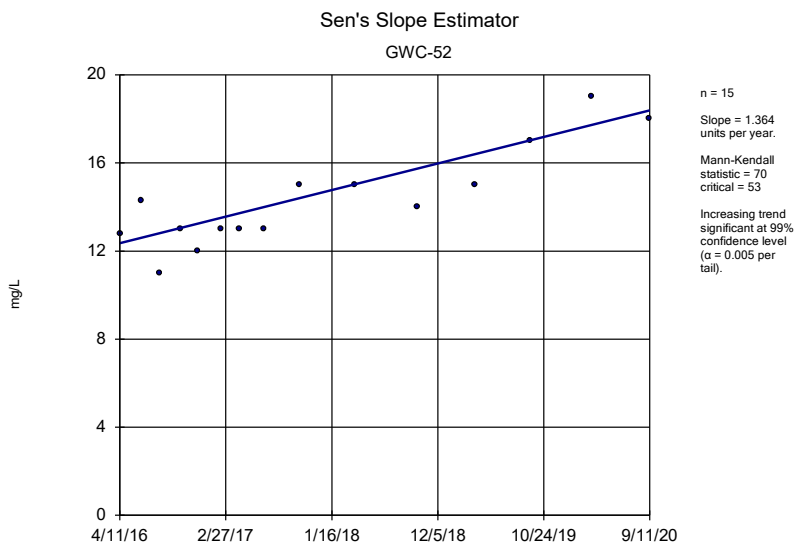


Constituent: Calcium, total Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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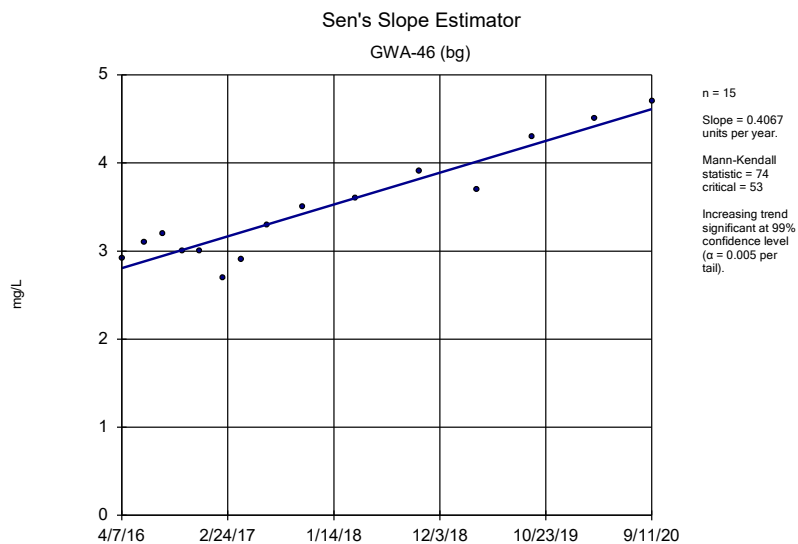
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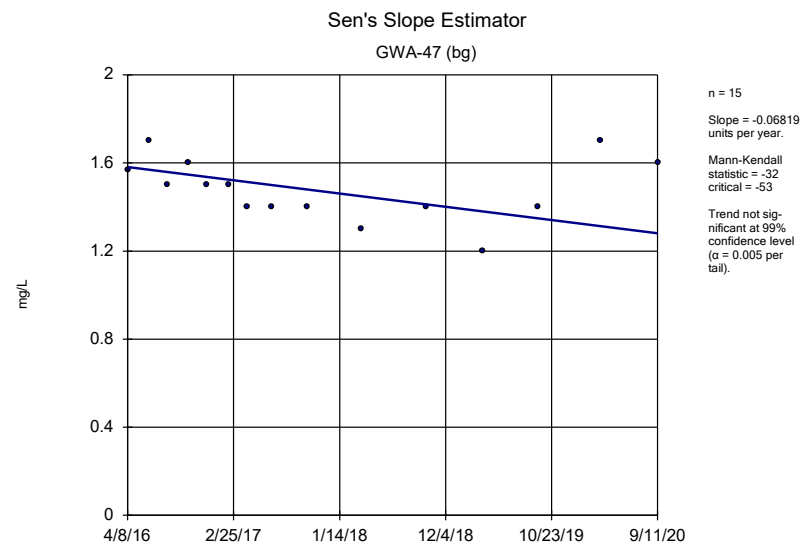
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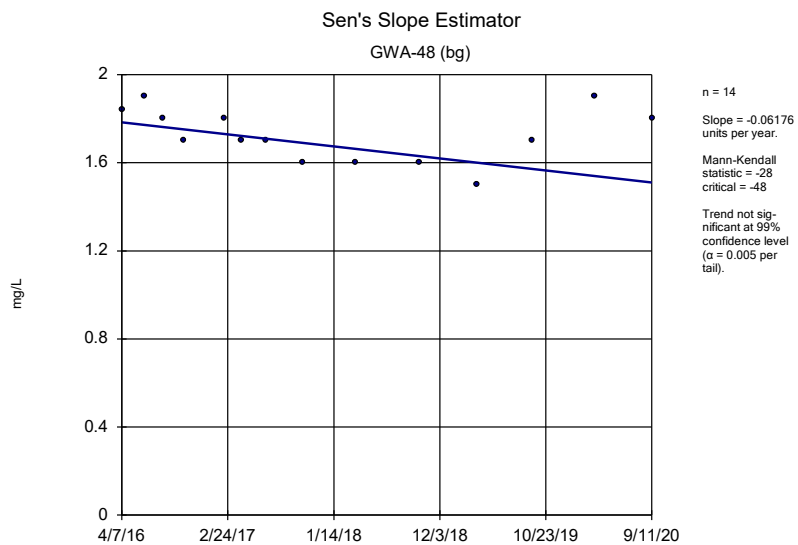
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR



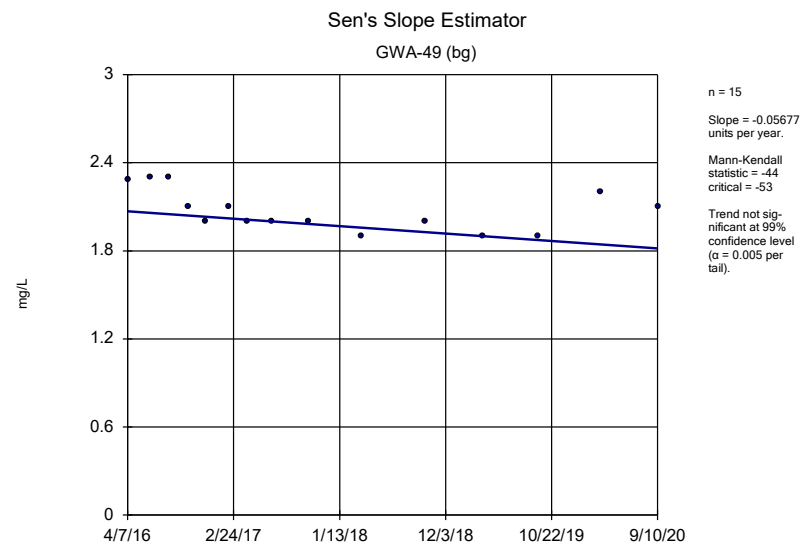
Constituent: Chloride, Total Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

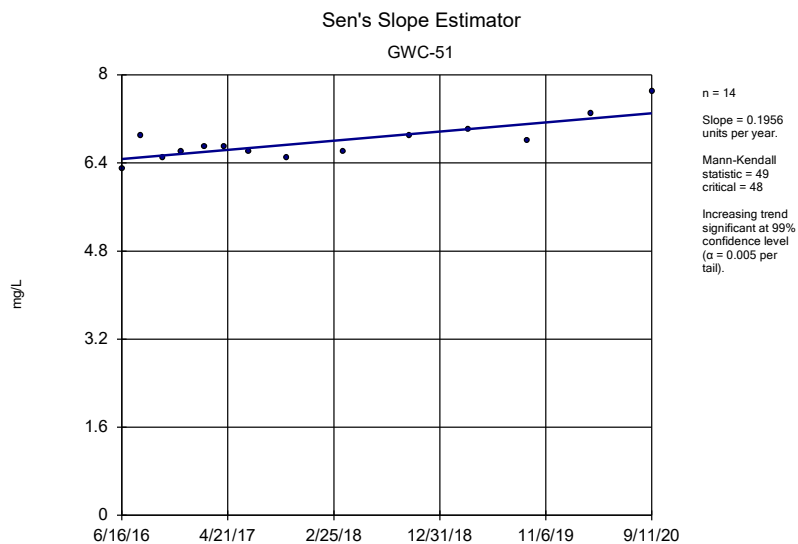
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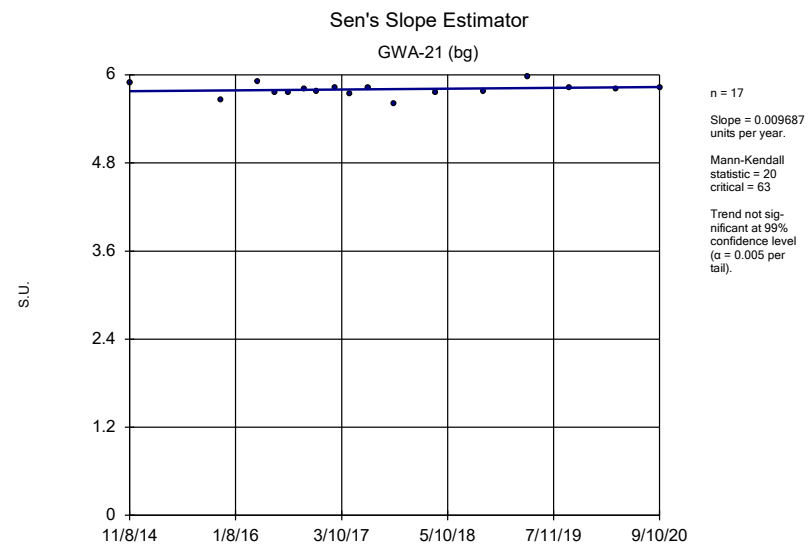
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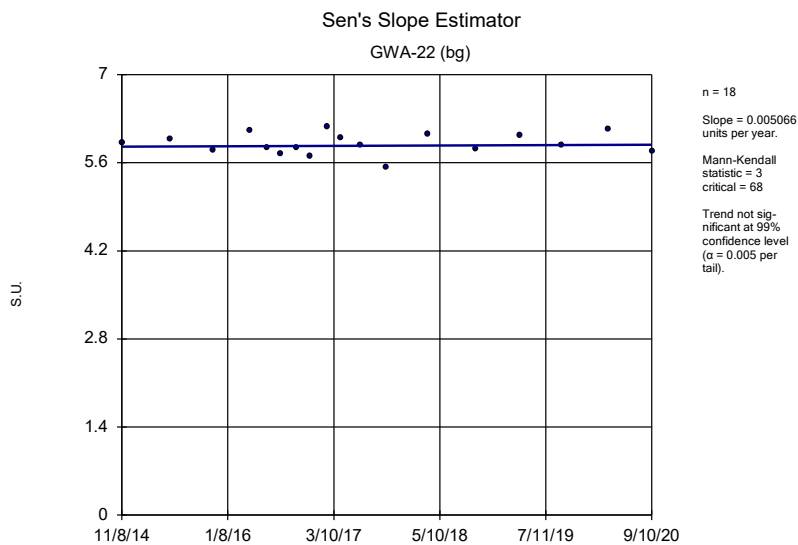
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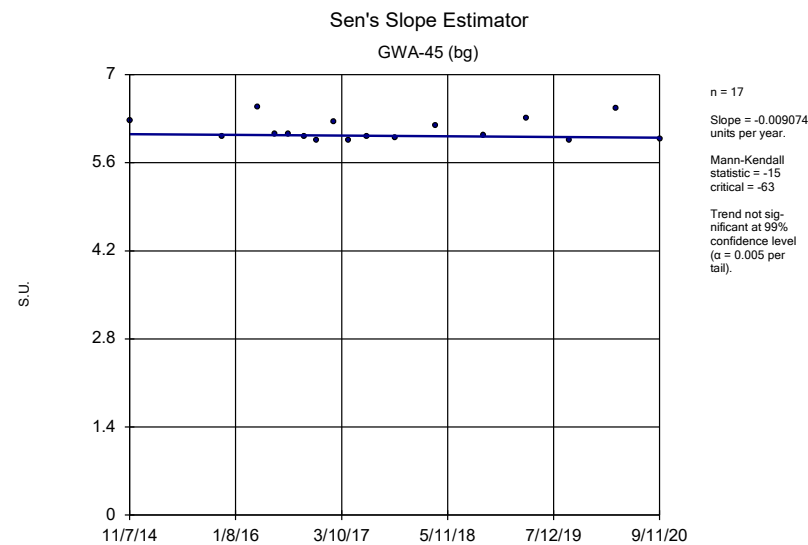
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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Constituent: pH Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
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Constituent: pH Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

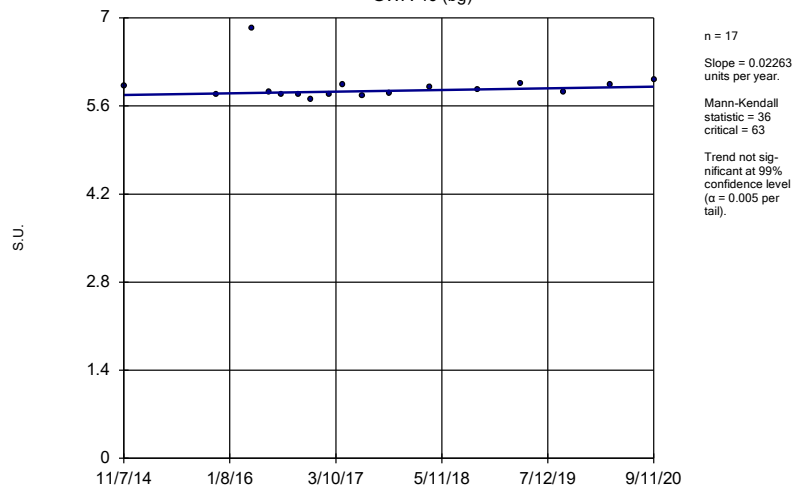
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PREPARED IN ANTICIPATION OF LITIGATION

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG

Sen's Slope Estimator

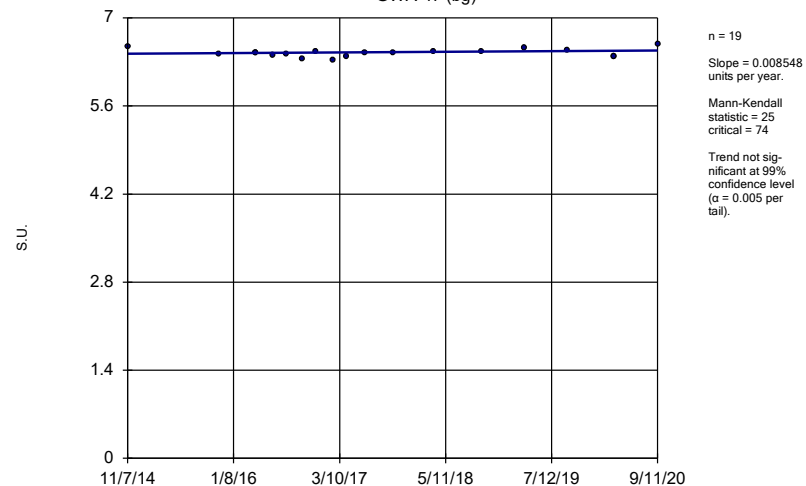
GWA-46 (bg)



Constituent: pH Analysis Run 11/16/2020 9:07 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-47 (bg)



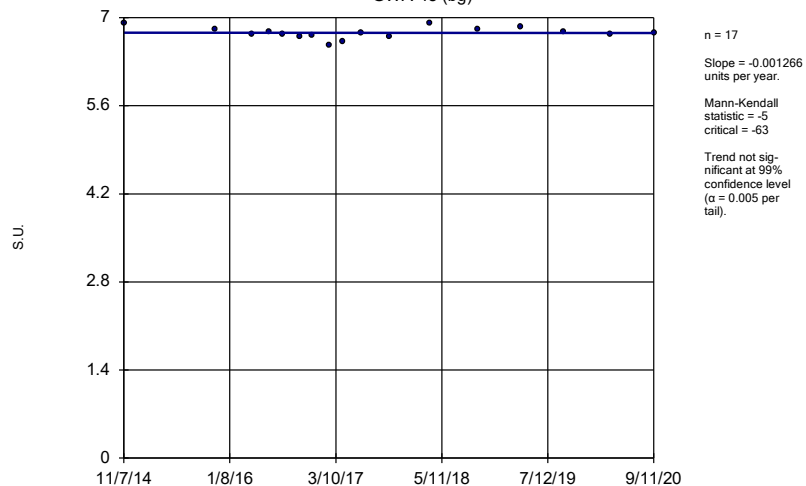
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Sen's Slope Estimator

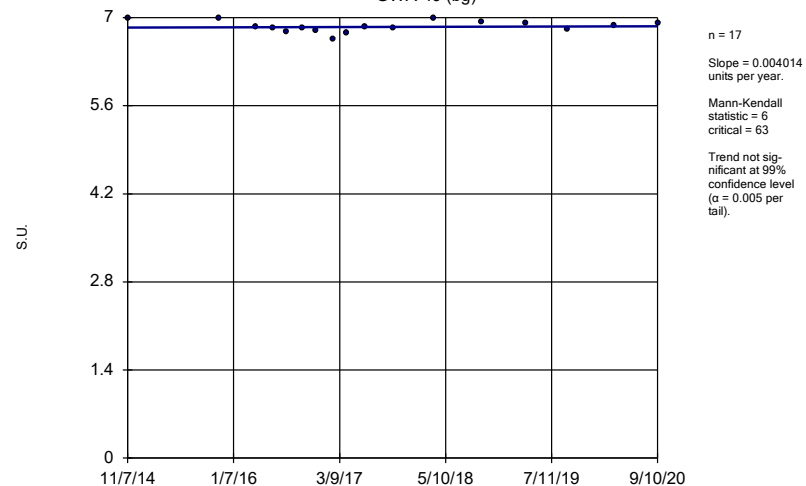
GWA-48 (bg)



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Sen's Slope Estimator

GWA-49 (bg)



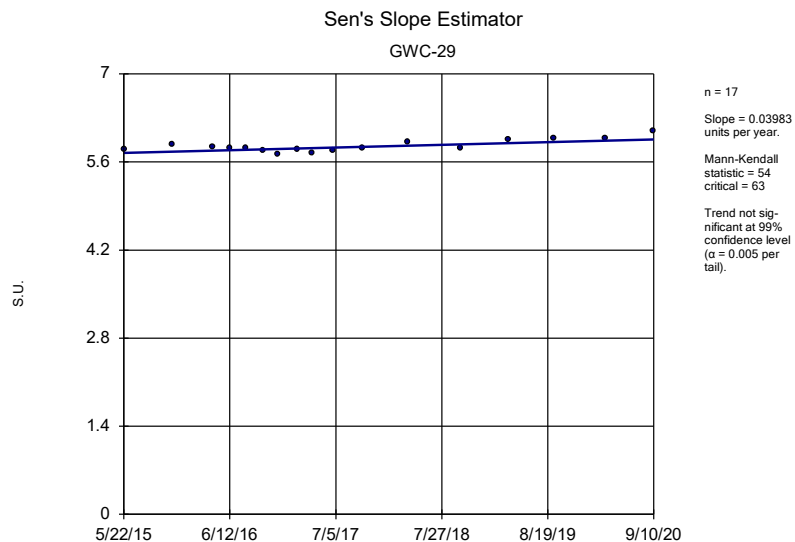
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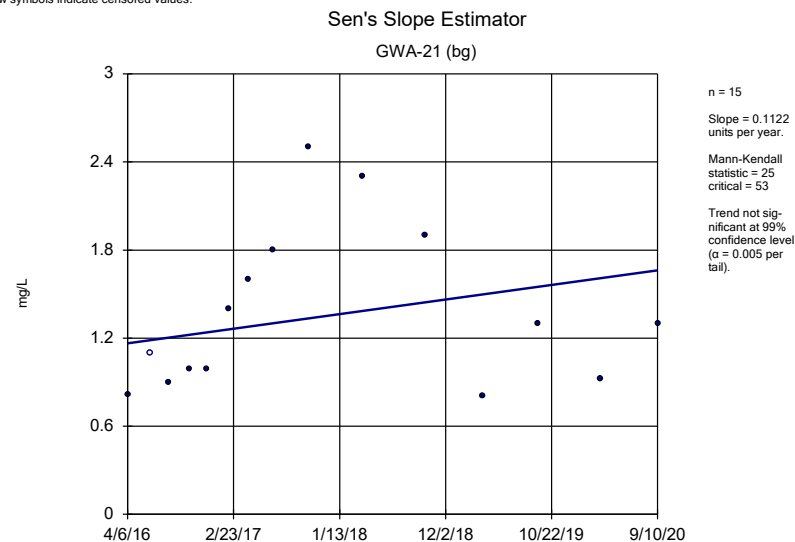
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 Hollow symbols indicate censored values.



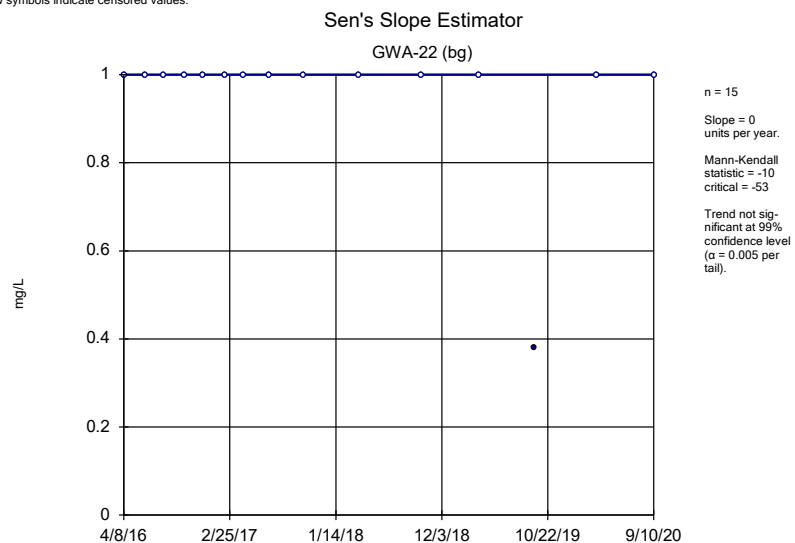
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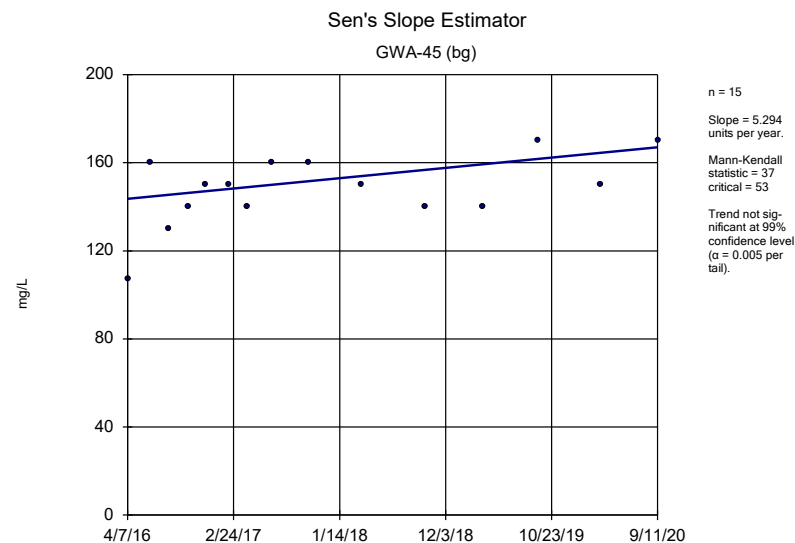
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 Hollow symbols indicate censored values.

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG



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 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

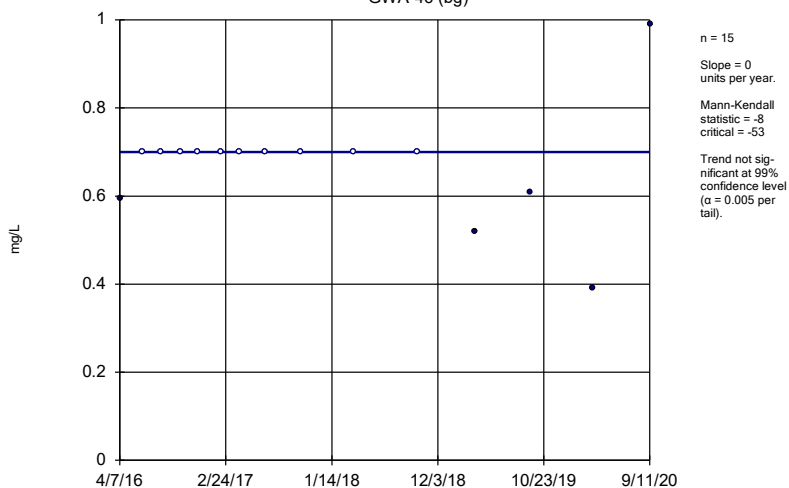


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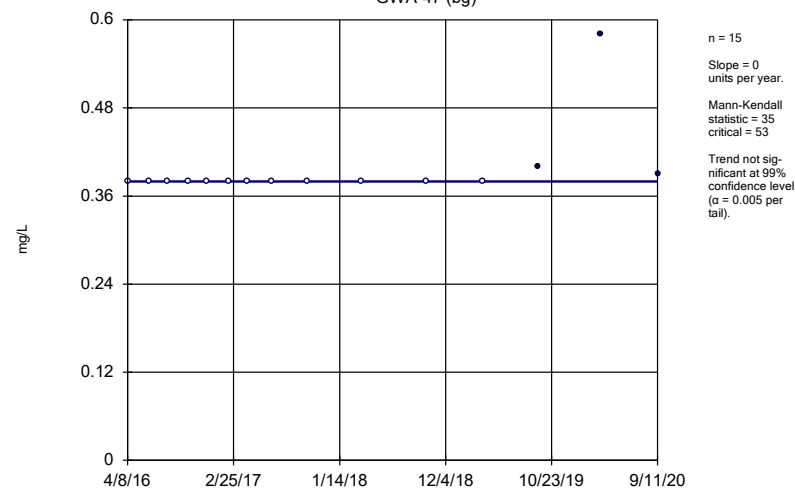
**Sen's Slope Estimator**  
GWA-46 (bg)



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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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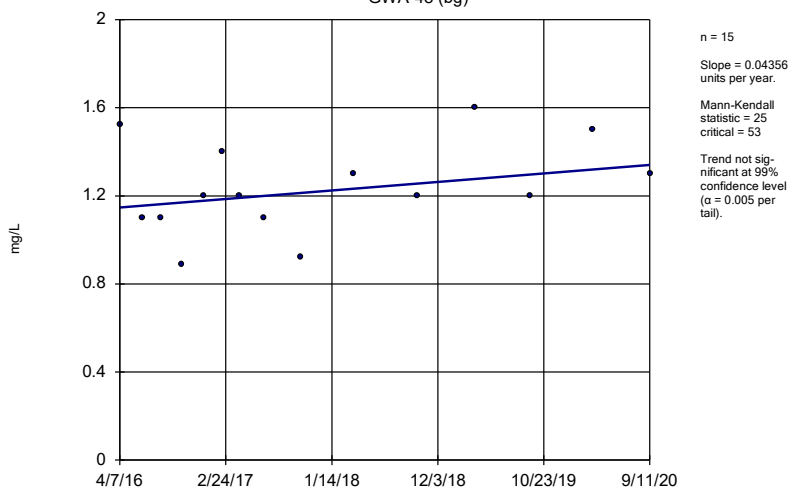
**Sen's Slope Estimator**  
GWA-47 (bg)



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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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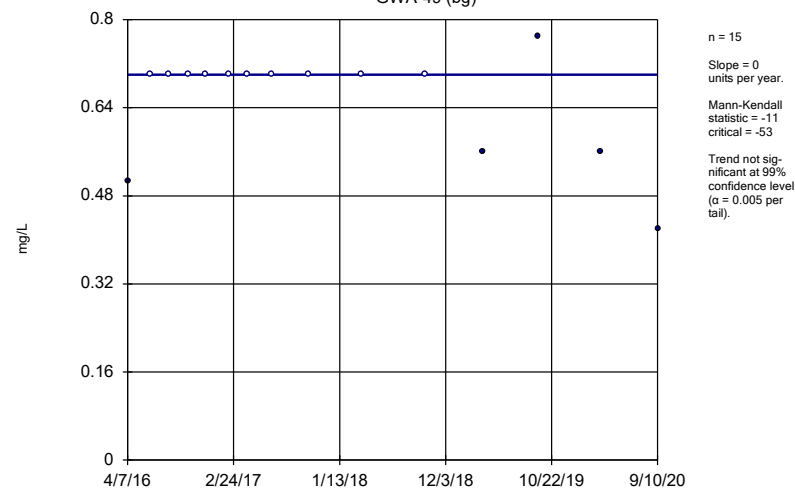
**Sen's Slope Estimator**  
GWA-48 (bg)



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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

**Sen's Slope Estimator**  
GWA-49 (bg)

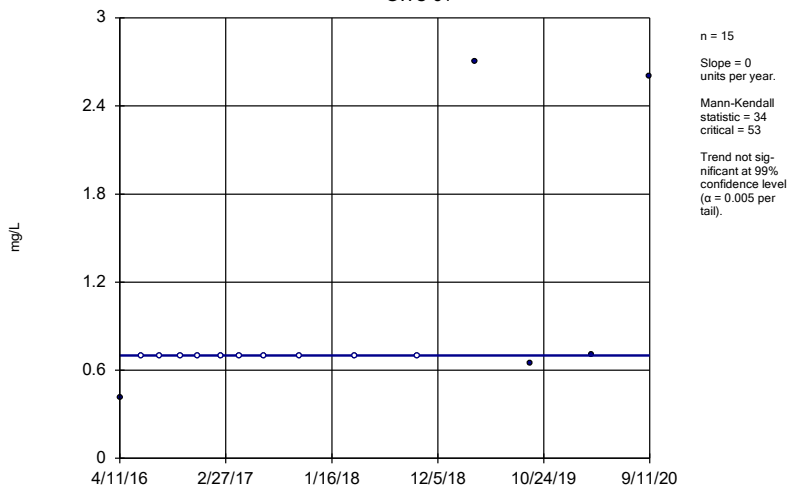


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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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Hollow symbols indicate censored values.

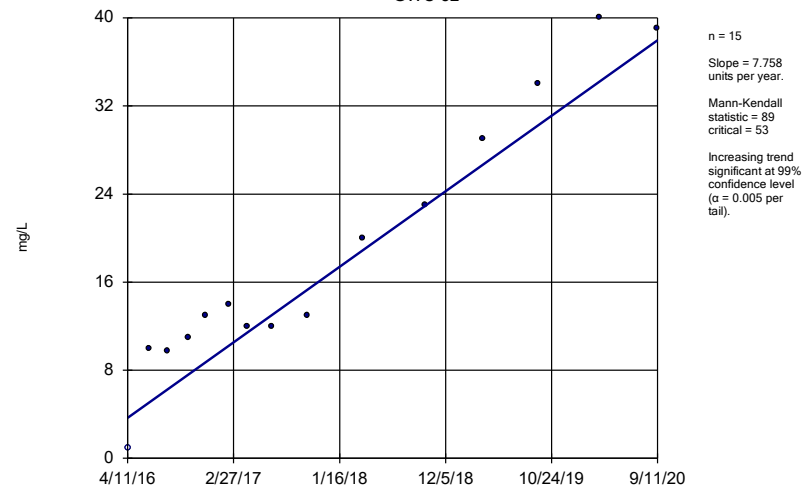
Sen's Slope Estimator  
GWC-51



Constituent: Sulfate, total    Analysis Run 11/16/2020 9:07 AM    View: Appendix III - Trend Tests  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

Sanitas™ v.9.6.27 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Sen's Slope Estimator  
GWC-52



Constituent: Sulfate, total    Analysis Run 11/16/2020 9:07 AM    View: Appendix III - Trend Tests  
Plant Scherer    Client: Southern Company    Data: Scherer PAC CCR

**APPENDIX D**

# ALTERNATE SOURCE DEMONSTRATION



NO TABLE OF FIGURES ENTRIES FOUND.

## 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*

Submitted to:



### **Georgia Power Company**

241 Ralph McGill Boulevard NE, Atlanta, Georgia 30308

Submitted by:

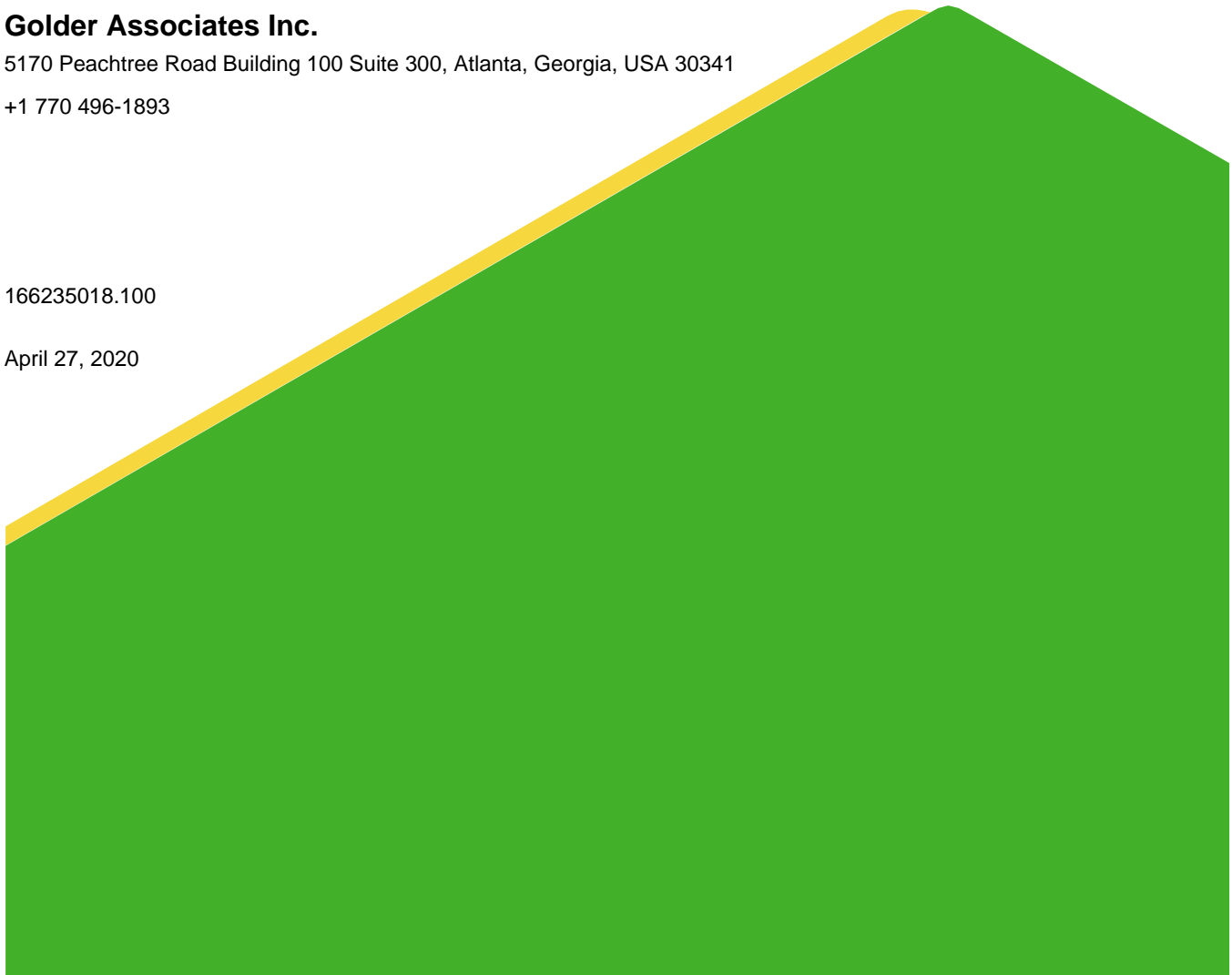
### **Golder Associates Inc.**

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

+1 770 496-1893

166235018.100

April 27, 2020



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## FIGURES

Figure 1 Site Location Map

Figure 2 Potentiometric Surface Map (September 9, 2019)

## APPENDIX

Analytical Data Reports

## Certification

This *Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell, 2019 Second Semi-Annual Monitoring Event*, has been prepared in compliance with applicable 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.



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

4/27/2020

Date

I hereby certify that the information used in this *2019 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

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[https://golderassociates.sharepoint.com/sites/24912g/project files/200 reports/alternate source demonstrations/2sa.2019\\_asd landfill\\_4.2020/asd\\_state permit 2sa-2019 fn\\_4.24.2020.docx](https://golderassociates.sharepoint.com/sites/24912g/project%20files/200%20reports/alternate%20source%20demonstrations/2sa.2019_asd%20landfill_4.2020/asd_state%20permit%202sa-2019_fn_4.24.2020.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. These SSIs are presented in the *2019 Second Semi-Annual Groundwater Monitoring Report*, dated January 28, 2020 for the second semi-annual groundwater sampling event at Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash cell.

Semi-annual water quality 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 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 a minor modification for the addition of CCR Rule Appendix III and Appendix IV monitoring parameters approved by EPD on August 9, 2017 as well as a minor modification for revised statistical analysis approved by EPD on August 20, 2019. The following sections address the statistical exceedances noted following the September 2019 semi-annual monitoring event and verification sampling conducted in March 2020.

This ASD has been prepared to demonstrate that the SSIs are not the result of a release from Cell 1 or PAC Ash Cell are primarily the result of natural groundwater chemistry variation not accommodated by the statistical method.

## 2.0 SITE DESCRIPTION

Plant Scherer is located in northeast Monroe County, Georgia, approximately 5 miles south of Juliette, GA. The property occupies approximately 12,000 acres and is bounded on the south by Lake Juliette. The plant is primarily surrounded by agricultural and residential use. Figure 1, Site Location Map, 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, Potentiometric Surface Map (September 9, 2019), depicts the general configuration of the landfill units and site monitoring wells along with the potentiometric surface from September 2019.

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.

## 3.0 EVALUATION OF ANALYTICAL RESULTS & STATISTICAL ANALYSES

As presented in the *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report*, dated January 28, 2020, 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.

Many of the of the statistical exceedances identified following the September 2019 sampling event were not verified through resampling conducted in March 2020. This ASD addresses each of the 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 USEPA regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

In detection monitoring at the site, groundwater quality data are evaluated using a combination of both interwell and intrawell prediction limits (PLs) combined with a resample plan for comparison of compliance data. The statistical method(s) use an optional 1-of-2 verification resample plan. An 'initial exceedance occurs when any downgradient well data exceed the PL. Several initial exceedances described in the 2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report were not verified during resampling and are not SSIs.

### 3.2 Statistically Significant Increases

Table 1, September 2019 Statistically Significant Increase Summary, provides a summary of all apparent statistical exceedances identified in the *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report*.

**Table 1: September 2019 Statistically Significant Increase Summary**

Appendix III Constituents	Cell 1 & PAC Ash Cell Monitoring Wells
Boron	GWA-21
Calcium	GWC-19, GWA-47, GWC-29, GWC-52
Chloride	GWC-10, GWC-7, GWA-46
pH	GWC-29
Sulfate	GWC-10, GWC-29, GWC-52
Total Dissolved Solids	GWA-21, GWA-45, GWA-46, GWA-49, GWC-51
State Appendix I Monitoring Parameters	
Barium	GWA-17, GWC-14, GWC-16, GWC-19, GWA-45, GWA-46, GWC-52, GWC-29
Chromium	GWA-17, GWC-10, GWC-12, GWC-16, GWC-2, GWC-52
Vanadium	GWA-17, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18

Notes:  
 mg/L = milligrams per liter

### 3.3 Verification Sampling

Verification sampling for the statistical exceedances identified following the September 2019 monitoring event was conducted in March 2020. Table 2, Summary of Verification Sampling Results, provides the results of the

September 2019 event, results from the March 2020 verification event, the upper PL, and whether the statistical exceedance was verified. Review of Table 2 and the analytical results from the March 2020 monitoring event indicates that 16 statistical exceedances identified in September 2019 were verified through resampling and are highlighted in Table 2 below. Unverified exceedances are not SSIs and no further action is required.

**Table 2: Summary of Verification Sampling Results**

Well	Parameter	Concentration (September 2019) mg/L	Resample Result (March 2020) mg/L	Upper Prediction Limit mg/L	SSI (Verified / NotVerified)	Previous ASD (2019)
<b>Cell 1</b>						
GWC-2	Chromium	0.014	0.011	0.0122	Not Verified	N/A
GWC-7	Chloride	2.1	2.1	1.883	<b>Verified</b>	Included below
GWC-10	Chloride	2.9	4.1	2.684	<b>Verified</b>	<b>YES</b> 4/2019
	Chromium	0.023	0.020	0.0215	Not Verified	N/A
	Sulfate	1.8	2.4	1.408	<b>Verified</b>	<b>YES</b> 11/2019
GWC-11	Vanadium	0.015	0.011	0.01474	Not Verified	N/A
GWC-12	Chromium	0.0036	0.0016	0.003548	Not Verified	N/A
	Vanadium	0.0052	<0.00099	0.005	Not Verified	N/A
GWC-13	Vanadium	0.0062	0.0010	0.005	Not Verified	N/A
GWC-14	Barium	0.011	0.0099	0.0106	Not Verified	N/A
	Vanadium	0.0062	<0.00099	0.005	Not Verified	N/A
GWC-16	Barium	0.039	0.027	0.03163	Not Verified	N/A
	Chromium	0.0076	0.0044	0.007077	Not Verified	N/A
GWA-17	Barium	0.051	0.031	0.0504	Not Verified	N/A
	Chromium	0.012	0.0083	0.01039	Not Verified	N/A
	Vanadium	0.0091	0.0051	0.008211	Not Verified	N/A
GWC-18	Vanadium	0.011	0.0075	0.009816	Not Verified	N/A
GWC-19	Barium	0.026	0.025	0.0191	<b>Verified</b>	Included below
	Calcium	14	14	13.6	<b>Verified</b>	Included below
<b>PAC Ash Cell</b>						
GWA-21	Boron	0.053	0.08	0.05	<b>Verified</b>	Included below
	Total Dissolved Solids	130	100	109.9	Not Verified	N/A
GWA-45	Barium	0.10/0.11	0.11	0.05749	<b>Verified</b>	<b>YES</b> 11/2019
	Total Dissolved Solids	340	310	336.6	Not Verified	N/A
GWA-46	Barium	0.022	0.023	0.02168	<b>Verified</b>	Included below
	Chloride	4.3	4.5	4.044	<b>Verified</b>	Included below
	Total Dissolved Solids	97	51	86.78	Not Verified	N/A
GWA-47	Calcium	12	12	11.8	<b>Verified</b>	Included below
GWA-49	Total Dissolved Solids	120	110	118.7	Not Verified	N/A
GWC-29	Barium	0.019	0.019	0.01838	<b>Verified</b>	<b>YES</b> 4/2019
	Calcium	12	16	11.8	<b>Verified</b>	<b>YES</b> 4/2019
	pH	5.98	5.97	5.923	<b>Verified</b>	<b>YES</b> 4/2019
	Sulfate	3.2	3.2	3.125	<b>Verified</b>	<b>YES</b> 11/2019
GWC-51	Total Dissolved Solids	110	66	102.5	Not Verified	N/A

Well	Parameter	Concentration (September 2019) mg/L	Resample Result (March 2020) mg/L	Upper Prediction Limit mg/L	SSI (Verified / NotVerified)	Previous ASD (2019)
GWC-52	Barium	0.017	0.018	0.01444	Verified	Included below
	Calcium	17	19	16.1	Verified	YES
	Chromium	0.027	0.029	0.01544	Verified	YES
	Sulfate	34	40	24.52	Verified	YES

Notes:  
 GWA = upgradient well  
 mg/L = milligrams per liter  
 "J" Result is estimated.

## 4.0 ALTERNATE SOURCE DEMONSTRATION

As presented in analytical data reports (Appendix) and summarized in Table 2, SSIs of groundwater quality data were noted for barium, boron, calcium, chloride, chromium, pH, and sulfate at select Cell 1 and PAC Ash monitoring wells. As shown on Table 2, ASDs for several of these exceedances have been previously submitted including barium at GWC-29 and GWA-45, calcium at GWC-29, chloride at GWC-10, chromium at GWC-52, pH at GWC-29, and sulfate at GWC-10, GWC-29 and GWC-52. The ASD for these exceedances is provided in *Alternate Source Demonstration, Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI)* (Golder, November 2019) and *Alternate Source Demonstration Second Semi-Annual 2018 Monitoring Event – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI)* (Golder, April 2019). 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 verified 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 Upgradient Monitoring Wells (GWA-21, GWA-45, GWA-46, and GWA-47)

Statistical exceedances were noted for several upgradient wells at Plant Scherer Cell 1 and PAC Ash Cell, including GWA-21, GWA-45, GWA-46, and GWA-47. Each of these wells is located hydraulically upgradient of the unit as shown on the potentiometric surface map included in the *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report* (Golder, January 2020). The purpose of upgradient background is to identify background groundwater quality and characterize local or long-term changes in background quality. Since these are upgradient background wells, changes in groundwater quality are – by definition – not attributable to a release from the unit. The noted SSIs are likely the result of natural variability in groundwater migrating towards the unit and not accommodated by the background data for the site.

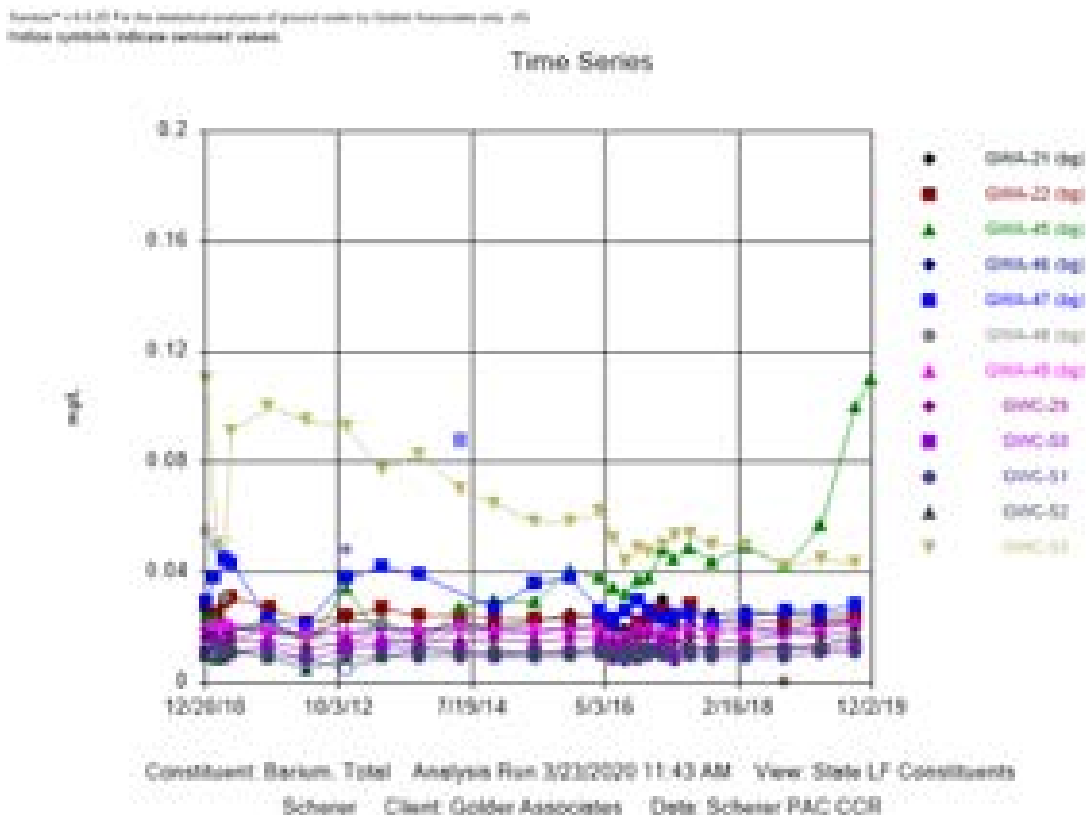
Review of groundwater elevations confirms the upgradient position of each of these monitoring wells. These wells are not downgradient of monitored disposal units and groundwater flows toward the disposal units. As a result any statistical exceedance observed at an upgradient monitoring well cannot reasonably be the result of a release from the lined landfill cell. Based on this fact, the observed statistical exceedances noted for upgradient monitoring wells GWA-21, GWA-45, GWA-46 and GWA-47 are not the result of an impact by the CCR unit and are the result of natural variability in upgradient groundwater quality.

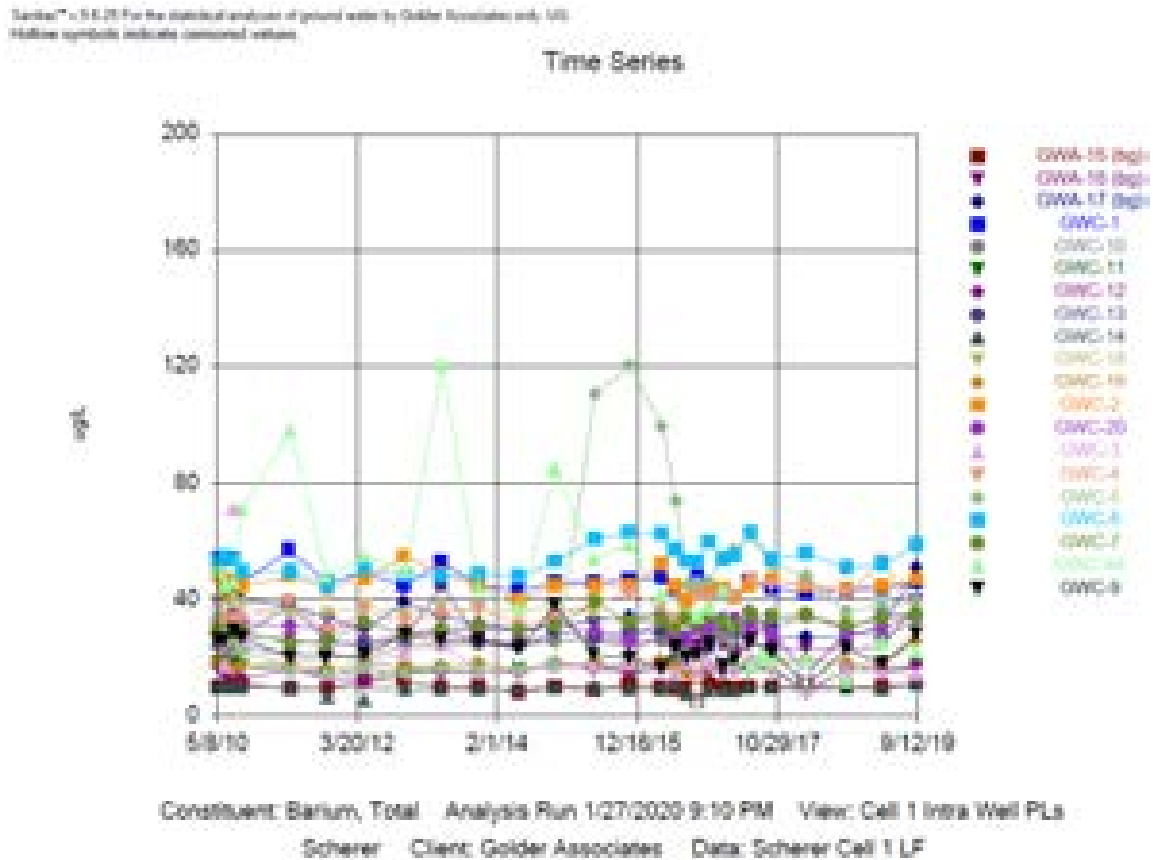
## 4.2 Barium (GWC-19, and GWC-52)

The SSIs of barium represent natural background quality. SSIs of barium were identified at downgradient monitoring wells GWC-19 and GWC-52 following the September 2019 sampling event and were confirmed during the March 2020 event. As shown on the following time series graphs, the reported concentrations of barium observed at GWC-19 [0.026 milligrams per liter (mg/L)], and GWC-52 (0.017 mg/L) are within the range observed across the site and also within the range of concentrations observed naturally in the regolith – fractured bedrock aquifers in the Piedmont of southeastern United States (US; USGS, 2013).

Groundwater monitoring results do not indicate that these wells have been impacted by a release from the disposal units. The primary CCR indicator boron has not been detected in these wells, nor have elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSIs observed in these wells.

Based on these facts, the statistical exceedances for barium are not the result of a release from the units and are interpreted to be the result of natural variability in groundwater chemistry. GPC will continue to monitor the occurrence and variability of barium at GWC-19 and GWC-52 during future sampling events.





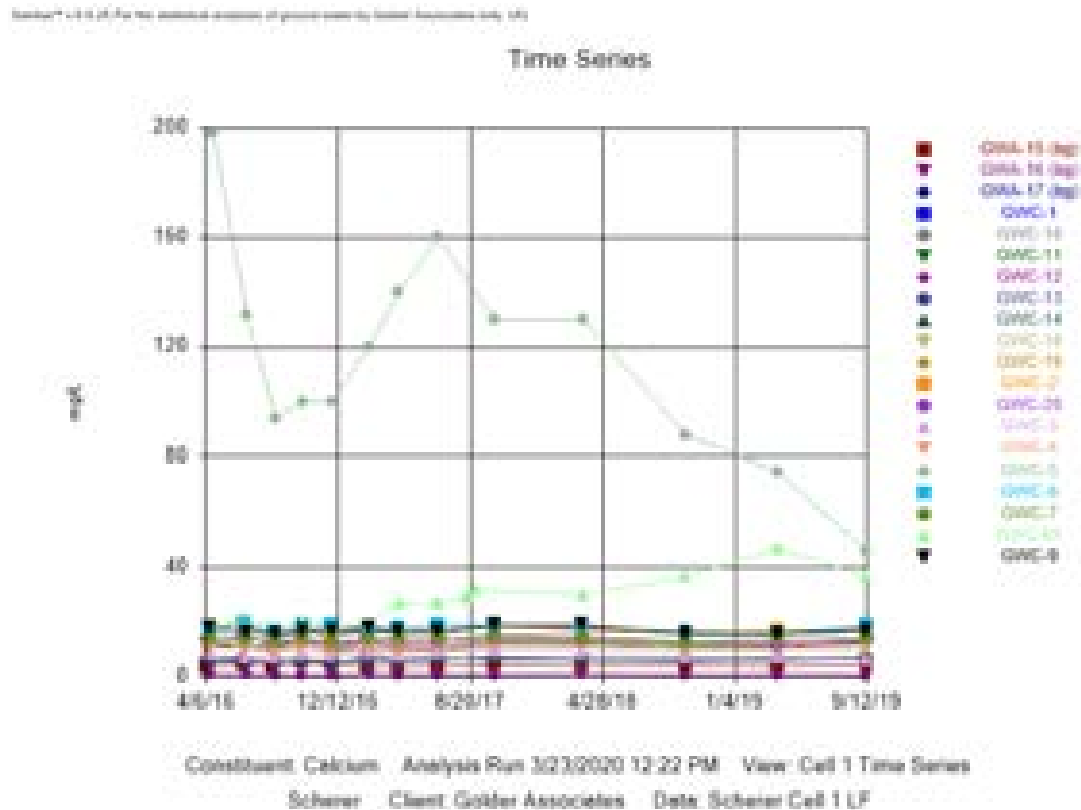
### 4.3 Calcium (GWC-19)

A SSI of calcium was identified at downgradient monitoring well GWC-19 following the September 2019 sampling event and were confirmed during the March 2020 event. This SSI is the result of an exceedance of the calculated intra-well prediction limit.

Review of time series plots show that the reported concentration of calcium at this well is 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 (14 mg/L) is within the range observed across the site (10 to 60 mg/L). Observed concentrations are below or equal to the upper tolerance limit calculated as the site-specific background concentration for AP-1 (19 mg/L), indicating that upgradient background concentrations are higher than those observed in well GWC-19. In addition, review of the time series plots for this well included in the 2019 *Second Semi-Annual Groundwater Monitoring Report* show that calcium concentrations at this well shows little variability over time and is not exhibiting an increasing trend. The reported SSI is interpreted to be the result of a slight increase in concentration, not a significant increase as would be expected if a CCR release were to have occurred.

Groundwater monitoring results do not indicate that this well has been impacted by a release from the disposal units. The primary CCR indicator boron has not been detected at well GWC-19, nor has elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSI observed at GWC-19.

Based on these data, the apparent SSI of calcium is not the result of a release from the CCR unit and is the result of natural variability in groundwater chemistry not accommodated by the current background data set. GPC will continue to monitor the occurrence of calcium at GWC-19 following the next scheduled sampling event.



## 4.4 Chloride (GWC-7)

SSIs of chloride were identified at downgradient monitoring well GWC-7 following the September 2019 sampling event and was confirmed during the March 2020 event. The observed concentrations of chloride at GWC-7 (2.1 mg/L) is slightly above the PL (1.883 mg/L) and is below the observed concentration at upgradient monitoring well GWA-15 (5.2 mg/L). In addition, review of the time series plots for these wells included in the *2019 Second Semi-Annual Groundwater Monitoring Report* show that chloride concentrations in these wells shows little variability over time and is not exhibiting an increasing trend. The reported SSI is the result of a slight increase in concentration, not a significant increase as would be expected if a CCR release were to have occurred. Chloride concentrations at this well is less than 3 mg/L, this very low concentrations is near the range of those observed in precipitation and at face value is evidence that a CCR release has not occurred.

Groundwater monitoring results do not indicate that GW-7 has been impacted by a release from the disposal units. In addition to extremely low concentrations of chloride, the primary CCR indicator boron has not been

detected at this well, nor has elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSIs observed at GWC-7.

Based on these facts, the statistical exceedances of chloride at GWC-7 is not the result of a release from the CCR units and is the result of natural variability in groundwater chemistry not accommodated by the statistical background. GPC will continue to monitor the variability of chloride concentrations at this well during future sampling events.

## 5.0 CONCLUSIONS

This ASD has been prepared in response to apparent statistical exceedances presented in the *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell*, dated January 28, 2020. 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 March 2020 verification sampling event.

Confirmed SSIs from the September 2019 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 barium, calcium, chloride, and chromium are within the range of concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US ( USGS, 2013). 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, GPC will continue with detection groundwater monitoring at Cell 1 and PAC Ash Cell.

## 6.0 REFERENCES

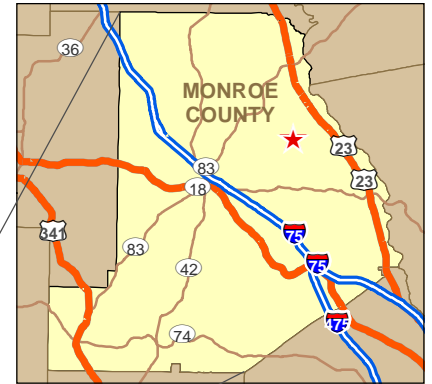
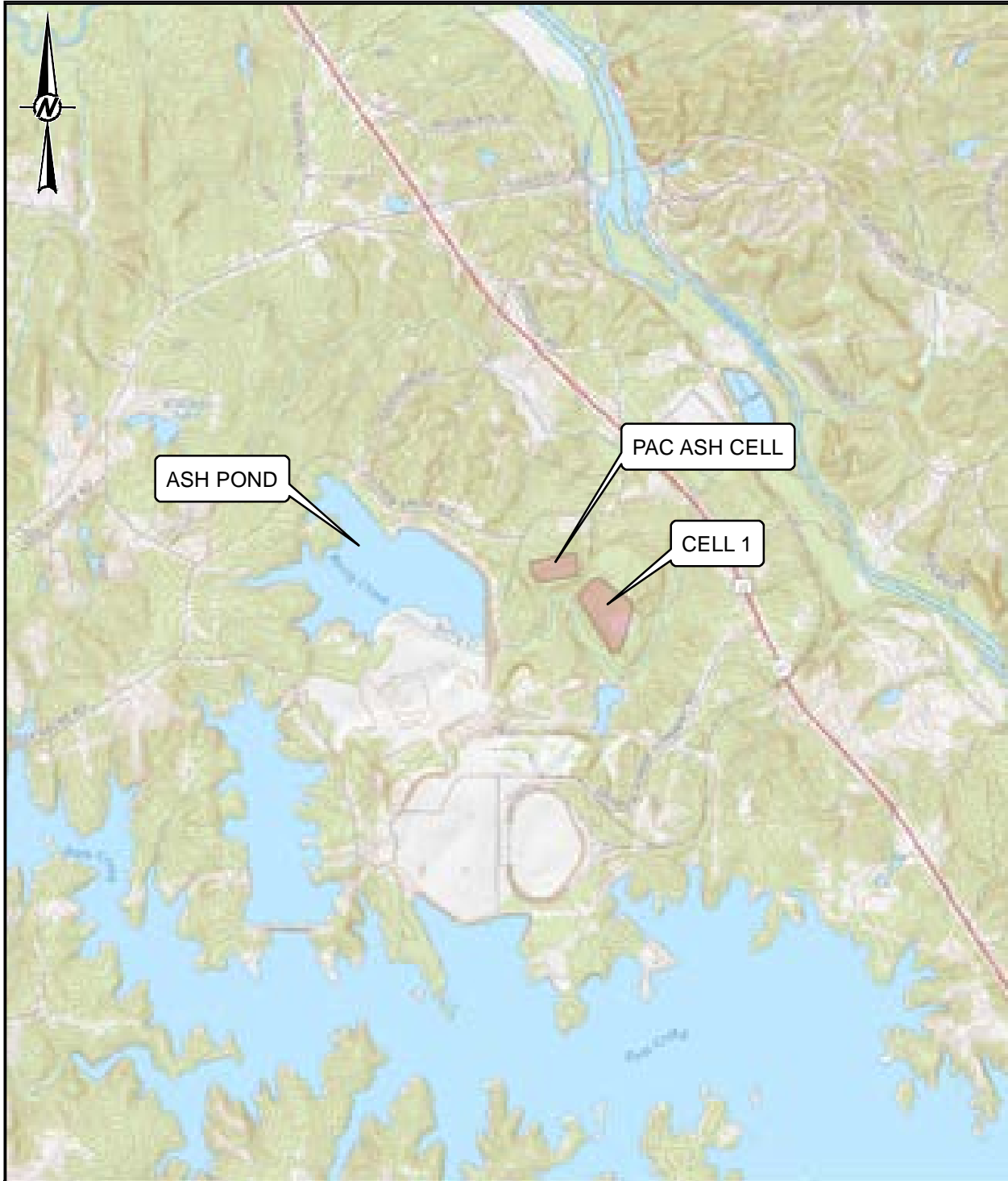
- Golder, 2018. *Geologic and Hydrogeologic Summary Report, Plant Scherer Ash Pond 1 Monroe County, Georgia*, Golder Associates Inc., November 2018.
- Golder, 2019. *Alternate Source Demonstration, Second Semi-Annual 2018 Monitoring Event, Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI)*, Golder Associates Inc., April 2019.
- Golder, 2019. *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 2019.
- Golder, 2020. *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report*, Golder Associates Inc., January 2020.
- 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  
 PLANT SCHERER



PROJECT  
 ALTERNATE SOURCE DEMONSTRATION  
 PLANT SCHERER - CELL 1 AND PAC ASH CELL

TITLE  
 SITE LOCATION MAP

CONSULTANT



YYYY-MM-DD 2018-01-31

PREPARED DJC

DESIGN DLP

REVIEW *djp*

APPROVED *rpk*

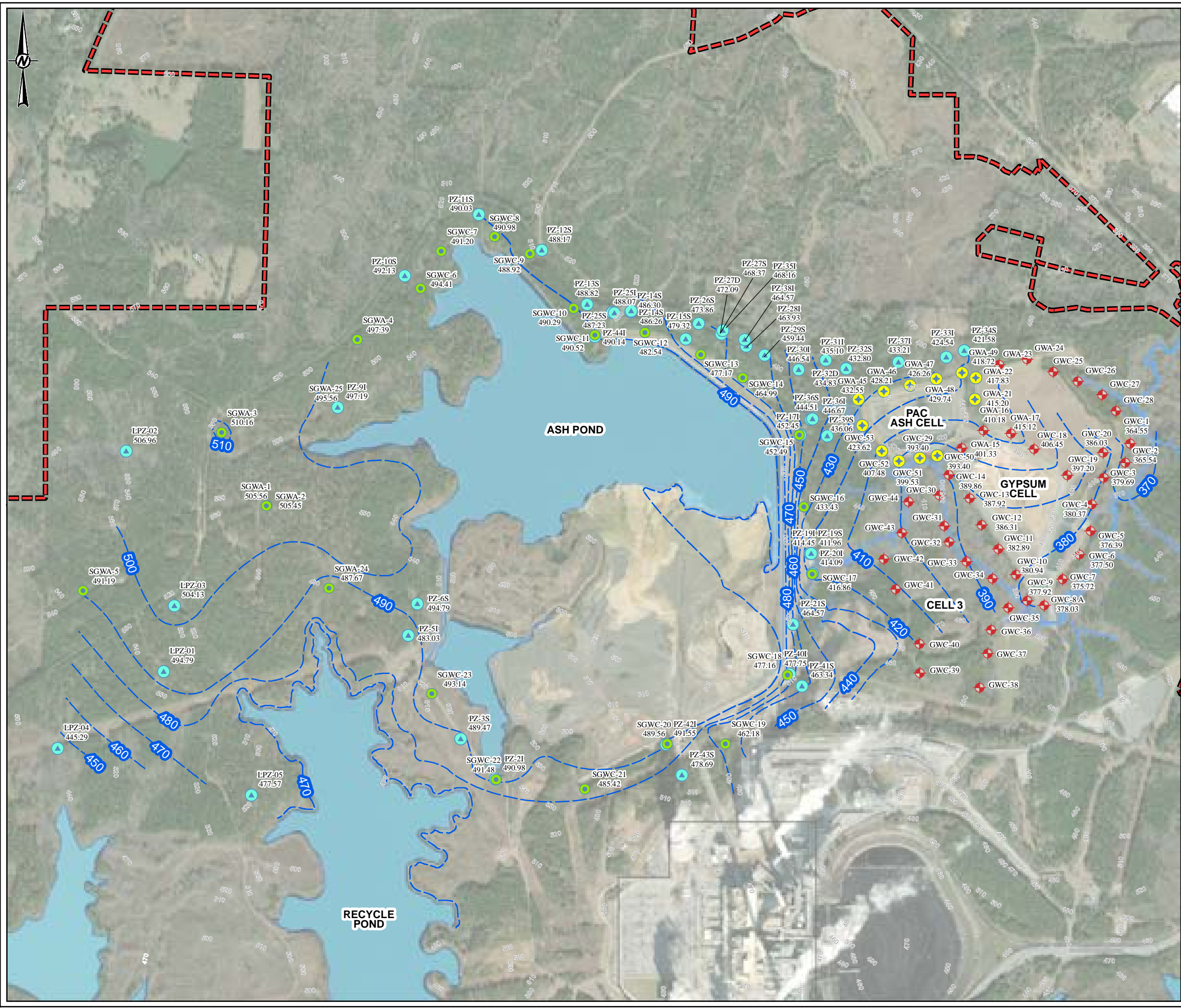
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FIGURE  
 1

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

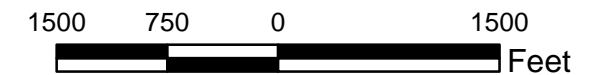


**LEGEND**

- SCHERER ASH POND-CCR MONITORING WELL
- ◆ CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- ▲ ASH POND PIEZOMETER
- PIEZOMETER
- ⊕ SURFACE WATER SAMPLE
- GROUNDWATER ELEVATION CONTOUR (FAMSL)
- PROPERTY BOUNDARY
- PONDS

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
  2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 9, 2019 BY GOLDBER ASSOCIATES.
  3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET ABOVE MEAN SEA LEVEL (FAMSL).
  4. 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 SOUTHERN COMPANY SERVICES.



CLIENT  
**GEORGIA POWER COMPANY**  
 PLANT SCHERER

PROJECT  
**GROUNDWATER MONITORING PROGRAM**  
 ALTERNATE SOURCE DEMONSTRATION

TITLE  
**POTENTIOMETRIC SURFACE MAP**  
 SEPTEMBER 9, 2019

CONSULTANT	YYYY-MM-DD	2019-09-30
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

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**APPENDIX**

## March 2020 Analytical Data Reports

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-103890-1  
Client Project/Site: Plant Scherer PAC Ash Cell  
Revision: 1

For:  
Southern Company  
PO BOX 2641 GSC8  
Birmingham, Alabama 35291

Attn: Ms. Lauren Petty



Authorized for release by:  
4/23/2020 4:08:36 PM

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

### LINKS

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results through  
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[www.testamericainc.com](http://www.testamericainc.com)

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

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

PA Lab ID: 02-00416



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# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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## Job ID: 180-103890-1

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Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

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#### Job Narrative 180-103890-1

#### Comments

042320 Revised Report to correct IC dilution on sample EB-2(PA) (180-103893-16) from 2.5 to 1. (no dilution) This report replaces the report previously issued on

#### Receipt

The samples were received on 3/21/2020 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 1.0° C, 1.3° C, 1.3° C, 1.8° C, 1.8° C and 10.0° C.

#### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

#### GC Semi VOA

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Fluoride for analytical batch 180-312254 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-312766 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-53 (180-103893-11), FD-1(PA) (180-103893-12), FB-1(PA) (180-103893-13), FD-2(PA) (180-103893-14), EB-1(PA) (180-103893-15), EB-2(PA) (180-103893-16) and (CCV 180-312766/157).

Method 6020B: The continuing calibration blank (CCB) associated with batch 180-312912 recovered above the upper control limit for nickel. The samples associated with this CCB were 10X the RL for the affected analytes; therefore, the data have been reported.

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

#### Field Service / Mobile Lab

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

#### General Chemistry

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: 180-103890-1

## 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
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Field Sampling		Water	pH





# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-103890-1	GWA-47	Water	03/20/20 10:44	03/21/20 09:00	
180-103890-2	FB-2(PA)	Water	03/20/20 09:45	03/21/20 09:00	
180-103893-1	GWA-21	Water	03/19/20 09:05	03/21/20 09:00	
180-103893-2	GWA-22	Water	03/19/20 10:10	03/21/20 09:00	
180-103893-3	GWC-29	Water	03/19/20 13:08	03/21/20 09:00	
180-103893-4	GWA-46	Water	03/19/20 17:07	03/21/20 09:00	
180-103893-5	GWA-45	Water	03/19/20 14:15	03/21/20 09:00	
180-103893-6	GWA-48	Water	03/19/20 14:11	03/21/20 09:00	
180-103893-7	GWA-49	Water	03/19/20 11:25	03/21/20 09:00	
180-103893-8	GWC-50	Water	03/19/20 13:05	03/21/20 09:00	
180-103893-9	GWC-51	Water	03/19/20 11:29	03/21/20 09:00	
180-103893-10	GWC-52	Water	03/19/20 13:00	03/21/20 09:00	
180-103893-11	GWC-53	Water	03/19/20 14:17	03/21/20 09:00	
180-103893-12	FD-1(PA)	Water	03/19/20 00:00	03/21/20 09:00	
180-103893-13	FB-1(PA)	Water	03/19/20 09:50	03/21/20 09:00	
180-103893-14	FD-2(PA)	Water	03/19/20 00:00	03/21/20 09:00	
180-103893-15	EB-1(PA)	Water	03/19/20 11:45	03/21/20 09:00	
180-103893-16	EB-2(PA)	Water	03/19/20 15:00	03/21/20 09:00	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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: 180-103890-1

## Client Sample ID: GWA-47

Date Collected: 03/20/20 10:44

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103890-1

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			312254	04/08/20 08:21	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:06	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:42	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311080	03/25/20 09:25	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/20/20 10:44	FDS	TAL PIT

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

Date Collected: 03/20/20 09:45

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103890-2

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			312383	04/09/20 05:07	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:16	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:45	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311080	03/25/20 09:25	AVS	TAL PIT

## Client Sample ID: GWA-21

Date Collected: 03/19/20 09:05

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-1

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			312442	04/09/20 12:39	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:44	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:54	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-21**

**Date Collected: 03/19/20 09:05**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-1**

**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	Field Sampling		1			310781	03/19/20 09:05	FDS	TAL PIT

**Client Sample ID: GWA-22**

**Date Collected: 03/19/20 10:10**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-2**

**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			312442	04/09/20 12:55	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:55	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 10:10	FDS	TAL PIT

**Client Sample ID: GWC-29**

**Date Collected: 03/19/20 13:08**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-3**

**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			312442	04/09/20 13:11	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 16:58	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 16:56	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 13:08	FDS	TAL PIT

**Client Sample ID: GWA-46**

**Date Collected: 03/19/20 17:07**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			312442	04/09/20 13:27	SAC	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-103893-4**

**Date Collected: 03/19/20 17:07**

**Matrix: Water**

**Date Received: 03/21/20 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	311483	03/29/20 15:54	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 17:01	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:57	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 17:07	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

**Date Collected: 03/19/20 14:15**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 13:42	SAC	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:16	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 16:58	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 14:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

**Date Collected: 03/19/20 14:11**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 13:58	SAC	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:20	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:01	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: GWA-48

Date Collected: 03/19/20 14:11

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-6

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	Field Sampling		1			310781	03/19/20 14:11	FDS	TAL PIT

## Client Sample ID: GWA-49

Date Collected: 03/19/20 11:25

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-7

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			312442	04/09/20 14:14	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 17:02	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 11:25	FDS	TAL PIT

## Client Sample ID: GWC-50

Date Collected: 03/19/20 13:05

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-8

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			312442	04/09/20 14:30	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:27	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	310953	03/24/20 12:12	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			310781	03/19/20 13:05	FDS	TAL PIT

## Client Sample ID: GWC-51

Date Collected: 03/19/20 11:29

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-9

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			312442	04/09/20 15:17	SAC	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-103893-9**

**Date Collected: 03/19/20 11:29**

**Matrix: Water**

**Date Received: 03/21/20 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	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:30	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:04	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 11:29	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

**Date Collected: 03/19/20 13:00**

**Matrix: Water**

**Date Received: 03/21/20 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			312442	04/09/20 15:33	SAC	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:34	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:05	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311085	03/25/20 10:01	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			310781	03/19/20 13:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

**Date Collected: 03/19/20 14:17**

**Matrix: Water**

**Date Received: 03/21/20 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			312565	04/10/20 12:00	SAC	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:44	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311685	03/31/20 16:25	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 17:06	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-53**

**Date Collected: 03/19/20 14:17**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-11**

**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	Field Sampling		1			310781	03/19/20 14:17	FDS	TAL PIT

**Client Sample ID: FD-1(PA)**

**Date Collected: 03/19/20 00:00**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-12**

**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			312565	04/10/20 12:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 18:21	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT

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

**Date Collected: 03/19/20 09:50**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-13**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			312386	04/09/20 03:44	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311830	04/01/20 18:22	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT

**Client Sample ID: FD-2(PA)**

**Date Collected: 03/19/20 00:00**

**Date Received: 03/21/20 09:00**

**Lab Sample ID: 180-103893-14**

**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: CHICS2100B		1	1 mL	1.0 mL	312386	04/09/20 04:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312766	04/11/20 19:55	RSK	TAL PIT

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: FD-2(PA)

Date Collected: 03/19/20 00:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:23	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
		Instrument ID: NOEQUIP								

## Client Sample ID: EB-1(PA)

Date Collected: 03/19/20 11:45

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312386	04/09/20 04:00	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 19:58	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:24	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	TAL PIT
		Instrument ID: NOEQUIP								

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

Date Collected: 03/19/20 15:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-16

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		1	1 mL	1.0 mL	312386	04/09/20 05:03	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311484	03/29/20 15:56	NAM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312766	04/11/20 20:02	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311760	04/01/20 10:30	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311830	04/01/20 18:25	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311077	03/25/20 09:16	AVS	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 PAC Ash Cell

Job ID: 180-103890-1

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

NAM = Nicole Marfisi

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith

FDS = Sampler Field

NAM = Nicole Marfisi

RSK = Robert Kurtz

SAC = Shawn Clemente



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-47**

**Lab Sample ID: 180-103890-1**

Date Collected: 03/20/20 10:44

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7	F1	1.0	0.32	mg/L			04/08/20 08:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 08:21	1
Sulfate	0.58	J	1.0	0.38	mg/L			04/08/20 08:21	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		03/29/20 15:54	04/11/20 16:06	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:06	1
Barium	0.029		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:06	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:06	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:06	1
Calcium	12		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:06	1
Chromium	0.0085		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:06	1
Copper	0.0011	J	0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:06	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:06	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:06	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:06	1
Vanadium	0.0086		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:06	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	99		10	10	mg/L			03/25/20 09:25	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.39				SU			03/20/20 10:44	1

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

**Lab Sample ID: 180-103890-2**

Date Collected: 03/20/20 09:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 05:07	1
Fluoride	0.048	J	0.10	0.026	mg/L			04/09/20 05:07	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 16:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:16	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:16	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103890-2**

Date Collected: 03/20/20 09:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:16	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:16	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:16	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:16	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:16	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:25	1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-103893-1**

Date Collected: 03/19/20 09:05

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		1.0	0.32	mg/L			04/09/20 12:39	1
Fluoride	0.059	J	0.10	0.026	mg/L			04/09/20 12:39	1
Sulfate	0.92	J	1.0	0.38	mg/L			04/09/20 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 16:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:44	1
Barium	0.027		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:44	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:44	1
Calcium	11		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:44	1
Chromium	0.0026		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:44	1
Nickel	0.00037	J	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:44	1
Vanadium	0.0030		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:44	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-21**

**Lab Sample ID: 180-103893-1**

Date Collected: 03/19/20 09:05

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>100</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>5.81</b>				SU			03/19/20 09:05	1

**Client Sample ID: GWA-22**

**Lab Sample ID: 180-103893-2**

Date Collected: 03/19/20 10:10

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<b>2.2</b>		1.0	0.32	mg/L			04/09/20 12:55	1
Fluoride	<b>0.054</b>	J	0.10	0.026	mg/L			04/09/20 12:55	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:54	04/11/20 16:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:48	1
<b>Barium</b>	<b>0.024</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:48	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:48	1
<b>Calcium</b>	<b>9.7</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:48	1
<b>Chromium</b>	<b>0.011</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:48	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:48	1
<b>Vanadium</b>	<b>0.0052</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>65</b>		10	10	mg/L			03/24/20 12:12	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-22**

Date Collected: 03/19/20 10:10

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-2**

Matrix: Water

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			03/19/20 10:10	1

**Client Sample ID: GWC-29**

Date Collected: 03/19/20 13:08

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-3**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.4		1.0	0.32	mg/L			04/09/20 13:11	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/09/20 13:11	1
Sulfate	3.2		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:54	04/11/20 16:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:58	1
Barium	0.019		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:58	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:58	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:58	1
Calcium	16		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:58	1
Nickel	0.0039		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:58	1
Vanadium	0.0044		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:58	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.97				SU			03/19/20 13:08	1

**Client Sample ID: GWA-46**

Date Collected: 03/19/20 17:07

Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103893-4**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		1.0	0.32	mg/L			04/09/20 13:27	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-46**

**Lab Sample ID: 180-103893-4**

Date Collected: 03/19/20 17:07

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 13:27	1
Sulfate	0.39	J	1.0	0.38	mg/L			04/09/20 13:27	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		03/29/20 15:54	04/11/20 17:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 17:01	1
Barium	0.023		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 17:01	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 17:01	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 17:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 17:01	1
Calcium	6.7		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 17:01	1
Chromium	0.0043		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Cobalt	0.00025	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 17:01	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 17:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 17:01	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 17:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 17:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 17:01	1
Vanadium	0.0033		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 17:01	1
Zinc	0.0035	J	0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	51		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.93				SU			03/19/20 17:07	1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

Date Collected: 03/19/20 14:15

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.9		1.0	0.32	mg/L			04/09/20 13:42	1
Fluoride	0.041	J	0.10	0.026	mg/L			04/09/20 13:42	1
Sulfate	150		1.0	0.38	mg/L			04/09/20 13:42	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		03/29/20 15:56	04/11/20 19:16	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:16	1
Barium	0.11		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:16	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:16	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-45**

**Lab Sample ID: 180-103893-5**

Date Collected: 03/19/20 14:15

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Boron</b>	<b>0.86</b>		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Calcium</b>	<b>45</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Cobalt</b>	<b>0.00050</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Copper</b>	<b>0.00072</b>	<b>J</b>	0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Lead</b>	<b>0.00019</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Nickel</b>	<b>0.00074</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Thallium</b>	<b>0.00036</b>	<b>J B</b>	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Vanadium</b>	<b>0.0031</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:16	1
<b>Zinc</b>	<b>0.0037</b>	<b>J</b>	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>310</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.46</b>				SU			03/19/20 14:15	1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

Date Collected: 03/19/20 14:11

Matrix: Water

Date Received: 03/21/20 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>1.9</b>		1.0	0.32	mg/L			04/09/20 13:58	1
<b>Fluoride</b>	<b>0.049</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 13:58	1
<b>Sulfate</b>	<b>1.5</b>		1.0	0.38	mg/L			04/09/20 13:58	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		03/29/20 15:56	04/11/20 19:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Barium</b>	<b>0.020</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:20	1
Beryllium	<0.00018	<b>^</b>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:20	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Calcium</b>	<b>14</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Chromium</b>	<b>0.0063</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Cobalt</b>	<b>0.00029</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Copper</b>	<b>0.0022</b>		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Lead</b>	<b>0.00020</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Nickel</b>	<b>0.00040</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:20	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWA-48**

**Lab Sample ID: 180-103893-6**

Date Collected: 03/19/20 14:11

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Thallium</b>	<b>0.00018</b>	<b>J B</b>	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:20	1
<b>Vanadium</b>	<b>0.019</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:20	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>97</b>		10	10	mg/L			03/24/20 12:12	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.73</b>				SU			03/19/20 14:11	1

**Client Sample ID: GWA-49**

**Lab Sample ID: 180-103893-7**

Date Collected: 03/19/20 11:25

Matrix: Water

Date Received: 03/21/20 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>2.2</b>		1.0	0.32	mg/L			04/09/20 14:14	1
<b>Fluoride</b>	<b>0.044</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 14:14	1
<b>Sulfate</b>	<b>0.56</b>	<b>J</b>	1.0	0.38	mg/L			04/09/20 14:14	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		03/29/20 15:56	04/11/20 19:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Barium</b>	<b>0.020</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:23	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:23	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Calcium</b>	<b>15</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Chromium</b>	<b>0.0055</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:23	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:23	1
<b>Vanadium</b>	<b>0.020</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: GWA-49

Date Collected: 03/19/20 11:25

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-7

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			03/24/20 12:12	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			03/19/20 11:25	1

## Client Sample ID: GWC-50

Date Collected: 03/19/20 13:05

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.32	mg/L			04/09/20 14:30	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/09/20 14:30	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 14:30	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		03/29/20 15:56	04/11/20 19:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:27	1
Barium	0.013		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:27	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:27	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:27	1
Calcium	7.9		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:27	1
Chromium	0.0047		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:27	1
Nickel	0.0015		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:27	1
Vanadium	0.0027		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:27	1
Zinc	0.0037	J	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:03	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		10	10	mg/L			03/24/20 12:12	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.78				SU			03/19/20 13:05	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-51**

**Lab Sample ID: 180-103893-9**

Date Collected: 03/19/20 11:29

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.3		1.0	0.32	mg/L			04/09/20 15:17	1
Fluoride	0.037	J	0.10	0.026	mg/L			04/09/20 15:17	1
Sulfate	0.71	J	1.0	0.38	mg/L			04/09/20 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		03/29/20 15:56	04/11/20 19:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:30	1
Barium	0.011		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:30	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:30	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:30	1
Calcium	7.1		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:30	1
Chromium	0.0032		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:30	1
Nickel	0.0021		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:30	1
Vanadium	0.0046		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	66		10	10	mg/L			03/25/20 09:16	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.90				SU			03/19/20 11:29	1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

Date Collected: 03/19/20 13:00

Matrix: Water

Date Received: 03/21/20 09:00

**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	0.32	mg/L			04/09/20 15:33	1
Fluoride	0.053	J	0.10	0.026	mg/L			04/09/20 15:33	1
Sulfate	40		1.0	0.38	mg/L			04/09/20 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		03/29/20 15:56	04/11/20 19:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:34	1
Barium	0.018		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:34	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-52**

**Lab Sample ID: 180-103893-10**

Date Collected: 03/19/20 13:00

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:34	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Chromium</b>	<b>0.029</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:34	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:34	1
<b>Vanadium</b>	<b>0.010</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>160</b>		10	10	mg/L			03/25/20 10:01	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			03/19/20 13:00	1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

Date Collected: 03/19/20 14:17

Matrix: Water

Date Received: 03/21/20 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	0.32	mg/L			04/10/20 12:00	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 12:00	1
<b>Sulfate</b>	<b>170</b>		1.0	0.38	mg/L			04/10/20 12:00	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		03/29/20 15:56	04/11/20 19:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Barium</b>	<b>0.047</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:44	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Boron</b>	<b>1.0</b>		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Cobalt</b>	<b>0.0083</b>		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Nickel</b>	<b>0.0070</b>		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:44	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: GWC-53**

**Lab Sample ID: 180-103893-11**

Date Collected: 03/19/20 14:17

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:44	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:44	1
<b>Zinc</b>	<b>0.014</b>		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 17:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>270</b>		10	10	mg/L			03/25/20 09:16	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.65</b>				SU			03/19/20 14:17	1

**Client Sample ID: FD-1(PA)**

**Lab Sample ID: 180-103893-12**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 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>3.7</b>		1.0	0.32	mg/L			04/10/20 12:16	1
<b>Fluoride</b>	<b>0.052</b>	<b>J</b>	0.10	0.026	mg/L			04/10/20 12:16	1
<b>Sulfate</b>	<b>1.3</b>		1.0	0.38	mg/L			04/10/20 12:16	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		03/29/20 15:56	04/11/20 19:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Barium</b>	<b>0.025</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:48	1
Beryllium	<0.00018	<b>^</b>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:48	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Calcium</b>	<b>11</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Chromium</b>	<b>0.0024</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Cobalt</b>	<b>0.00020</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Lead</b>	<b>0.00019</b>	<b>J</b>	0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Nickel</b>	<b>0.00056</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:48	1
<b>Vanadium</b>	<b>0.0029</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:21	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: FD-1(PA)

Lab Sample ID: 180-103893-12

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			03/25/20 09:16	1

## Client Sample ID: FB-1(PA)

Lab Sample ID: 180-103893-13

Date Collected: 03/19/20 09:50

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 03:44	1
Fluoride	0.036	J	0.10	0.026	mg/L			04/09/20 03:44	1
Sulfate	0.50	J	1.0	0.38	mg/L			04/09/20 03:44	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		03/29/20 15:56	04/11/20 19:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:51	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:51	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:51	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:51	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:51	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:51	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:22	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

## Client Sample ID: FD-2(PA)

Lab Sample ID: 180-103893-14

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

### 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	0.32	mg/L			04/09/20 04:16	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 04:16	1
Sulfate	0.77	J	1.0	0.38	mg/L			04/09/20 04:16	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

**Client Sample ID: FD-2(PA)**

**Lab Sample ID: 180-103893-14**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

**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		03/29/20 15:56	04/11/20 19:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Barium</b>	<b>0.022</b>		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:55	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:55	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Calcium</b>	<b>6.5</b>		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Chromium</b>	<b>0.0041</b>		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Cobalt</b>	<b>0.00025</b>	J	0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:55	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Vanadium</b>	<b>0.0033</b>		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:55	1
<b>Zinc</b>	<b>0.0044</b>	J	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>66</b>		10	10	mg/L			03/25/20 09:16	1

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

**Lab Sample ID: 180-103893-15**

Date Collected: 03/19/20 11:45

Matrix: Water

Date Received: 03/21/20 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 04:00	1
<b>Fluoride</b>	<b>0.036</b>	J	0.10	0.026	mg/L			04/09/20 04:00	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 04:00	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		03/29/20 15:56	04/11/20 19:58	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:58	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:58	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:58	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:58	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:58	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:58	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:58	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:58	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:58	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:58	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Client Sample ID: EB-1(PA)

Date Collected: 03/19/20 11:45

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:58	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:58	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:58	1
<b>Zinc</b>	<b>0.0035</b>	<b>J</b>	0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:24	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

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

Date Collected: 03/19/20 15:00

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 05:03	1
<b>Fluoride</b>	<b>0.067</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 05:03	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 05:03	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		03/29/20 15:56	04/11/20 20:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 20:02	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 20:02	1
Beryllium	<0.00018	<sup>^</sup>	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 20:02	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 20:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 20:02	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 20:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 20:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 20:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 20:02	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 20:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 20:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 20:02	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 20:02	1
<b>Zinc</b>	<b>0.0082</b>		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:25	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: MB 180-312254/3**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/08/20 06:46	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 06:46	1
Sulfate	<0.38		1.0	0.38	mg/L			04/08/20 06:46	1

**Lab Sample ID: MB 180-312254/6**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/07/20 17:25	1
Fluoride	<0.026		0.10	0.026	mg/L			04/07/20 17:25	1
Sulfate	<0.38		1.0	0.38	mg/L			04/07/20 17:25	1

**Lab Sample ID: LCS 180-312254/42**  
**Matrix: Water**  
**Analysis Batch: 312254**

**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	48.4		mg/L		97	90 - 110
Fluoride	2.50	2.29		mg/L		91	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

**Lab Sample ID: 180-103890-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312254**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.7	F1	25.0	34.3	F1	mg/L		131	80 - 120
Fluoride	<0.026		1.25	1.24		mg/L		99	80 - 120
Sulfate	0.58	J	25.0	25.5		mg/L		100	80 - 120

**Lab Sample ID: 180-103890-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312254**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.7	F1	25.0	32.8	F1	mg/L		124	80 - 120	5	20
Fluoride	<0.026		1.25	1.22		mg/L		97	80 - 120	2	20
Sulfate	0.58	J	25.0	24.2		mg/L		95	80 - 120	5	20

**Lab Sample ID: MB 180-312383/20**  
**Matrix: Water**  
**Analysis Batch: 312383**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/08/20 21:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 21:17	1
Sulfate	<0.38		1.0	0.38	mg/L			04/08/20 21:17	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-312383/19**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	51.1		mg/L		102	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110

**Lab Sample ID: 180-103853-D-5 MS**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	2.8		25.0	27.6		mg/L		99	80 - 120
Fluoride	0.065	J	1.25	1.33		mg/L		101	80 - 120
Sulfate	15		25.0	38.8		mg/L		95	80 - 120

**Lab Sample ID: 180-103853-D-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 312383**

**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	2.8		25.0	27.3		mg/L		98	80 - 120	1	20
Fluoride	0.065	J	1.25	1.31		mg/L		99	80 - 120	1	20
Sulfate	15		25.0	38.9		mg/L		96	80 - 120	0	20

**Lab Sample ID: MB 180-312386/39**  
**Matrix: Water**  
**Analysis Batch: 312386**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 02:57	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 02:57	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 02:57	1

**Lab Sample ID: LCS 180-312386/38**  
**Matrix: Water**  
**Analysis Batch: 312386**

**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	50.0		mg/L		100	90 - 110
Fluoride	2.50	2.39		mg/L		96	90 - 110
Sulfate	50.0	49.9		mg/L		100	90 - 110

**Lab Sample ID: 180-103893-14 MS**  
**Matrix: Water**  
**Analysis Batch: 312386**

**Client Sample ID: FD-2(PA)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.3		25.0	29.2		mg/L		100	80 - 120
Fluoride	<0.026		1.25	1.15		mg/L		92	80 - 120
Sulfate	0.77	J	25.0	24.8		mg/L		96	80 - 120

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103893-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 312386**

**Client Sample ID: FD-2(PA)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.3		25.0	29.0		mg/L		99	80 - 120	1	20
Fluoride	<0.026		1.25	1.16		mg/L		93	80 - 120	1	20
Sulfate	0.77	J	25.0	24.7		mg/L		96	80 - 120	0	20

**Lab Sample ID: MB 180-312442/6**  
**Matrix: Water**  
**Analysis Batch: 312442**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/09/20 08:58	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 08:58	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 08:58	1

**Lab Sample ID: LCS 180-312442/5**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	50.9		mg/L		102	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	50.3		mg/L		101	90 - 110

**Lab Sample ID: 180-104008-D-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	2.4		25.0	28.0		mg/L		102	80 - 120
Fluoride	0.063	J	1.25	1.36		mg/L		104	80 - 120
Sulfate	7.1		25.0	32.4		mg/L		101	80 - 120

**Lab Sample ID: 180-104008-D-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312442**

**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	2.4		25.0	27.1		mg/L		99	80 - 120	3	20
Fluoride	0.063	J	1.25	1.31		mg/L		100	80 - 120	4	20
Sulfate	7.1		25.0	31.4		mg/L		97	80 - 120	3	20

**Lab Sample ID: MB 180-312565/6**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 09:53	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 09:53	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 09:53	1

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-312565/5**  
**Matrix: Water**  
**Analysis Batch: 312565**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110

**Lab Sample ID: 180-104441-E-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	5.7		25.0	30.7		mg/L		100	80 - 120
Fluoride	0.15		1.25	1.41		mg/L		101	80 - 120
Sulfate	63		25.0	86.1		mg/L		94	80 - 120

**Lab Sample ID: 180-104441-E-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312565**

**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	5.7		25.0	30.1		mg/L		97	80 - 120	2	20
Fluoride	0.15		1.25	1.39		mg/L		99	80 - 120	1	20
Sulfate	63		25.0	85.1		mg/L		90	80 - 120	1	20

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

**Lab Sample ID: MB 180-311483/1-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:54	04/11/20 15:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 15:35	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 15:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 15:35	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 15:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 15:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 15:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 15:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 15:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 15:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 15:35	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.238		mg/L		95	80 - 120
Arsenic	1.00	0.941		mg/L		94	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.481		mg/L		96	80 - 120
Boron	1.25	1.29		mg/L		103	80 - 120
Cadmium	0.500	0.496		mg/L		99	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.460		mg/L		92	80 - 120
Copper	0.500	0.490		mg/L		98	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.452		mg/L		90	80 - 120
Selenium	1.00	0.984		mg/L		98	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.499		mg/L		100	80 - 120
Zinc	0.250	0.234		mg/L		94	80 - 120

**Lab Sample ID: LCS 180-311483/2-A**  
**Matrix: Water**  
**Analysis Batch: 312912**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.250	0.265		mg/L		106	80 - 120

**Lab Sample ID: 180-103893-4 MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: GWA-46**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311483**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.258		mg/L		103	75 - 125
Arsenic	<0.00031		1.00	0.971		mg/L		97	75 - 125
Barium	0.023		1.00	1.11		mg/L		109	75 - 125
Beryllium	<0.00018		0.500	0.553		mg/L		111	75 - 125
Boron	<0.039		1.25	1.30		mg/L		104	75 - 125
Cadmium	<0.00022		0.500	0.533		mg/L		107	75 - 125
Calcium	6.7		25.0	36.7		mg/L		120	75 - 125
Chromium	0.0043		0.500	0.544		mg/L		108	75 - 125
Cobalt	0.00025	J	0.500	0.480		mg/L		96	75 - 125
Copper	<0.00063		0.500	0.551		mg/L		110	75 - 125
Lead	<0.00013		0.500	0.525		mg/L		105	75 - 125
Nickel	<0.00034		0.500	0.474		mg/L		95	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.272		mg/L		109	75 - 125
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125
Vanadium	0.0033		0.500	0.543		mg/L		108	75 - 125
Zinc	0.0035	J	0.250	0.248		mg/L		98	75 - 125

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

Lab Sample ID: 180-103893-4 MSD

Matrix: Water

Analysis Batch: 312766

Client Sample ID: GWA-46

Prep Type: Total Recoverable

Prep Batch: 311483

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	<0.00038		0.250	0.253		mg/L		101	75 - 125	2	20
Arsenic	<0.00031		1.00	0.933		mg/L		93	75 - 125	4	20
Barium	0.023		1.00	1.08		mg/L		106	75 - 125	3	20
Beryllium	<0.00018		0.500	0.533		mg/L		107	75 - 125	4	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	1	20
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125	3	20
Calcium	6.7		25.0	34.9		mg/L		113	75 - 125	5	20
Chromium	0.0043		0.500	0.532		mg/L		106	75 - 125	2	20
Cobalt	0.00025	J	0.500	0.469		mg/L		94	75 - 125	2	20
Copper	<0.00063		0.500	0.540		mg/L		108	75 - 125	2	20
Lead	<0.00013		0.500	0.513		mg/L		103	75 - 125	2	20
Nickel	<0.00034		0.500	0.462		mg/L		92	75 - 125	3	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	2	20
Silver	<0.00018		0.250	0.268		mg/L		107	75 - 125	1	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	3	20
Vanadium	0.0033		0.500	0.529		mg/L		105	75 - 125	3	20
Zinc	0.0035	J	0.250	0.241		mg/L		95	75 - 125	3	20

Lab Sample ID: MB 180-311484/1-A

Matrix: Water

Analysis Batch: 312766

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 311484

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		03/29/20 15:56	04/11/20 19:10	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:56	04/11/20 19:10	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:56	04/11/20 19:10	1
Beryllium	<0.00018	^	0.0025	0.00018	mg/L		03/29/20 15:56	04/11/20 19:10	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:56	04/11/20 19:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:56	04/11/20 19:10	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:56	04/11/20 19:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:56	04/11/20 19:10	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:56	04/11/20 19:10	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:56	04/11/20 19:10	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:56	04/11/20 19:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:56	04/11/20 19:10	1
Thallium	0.000169	J	0.0010	0.00015	mg/L		03/29/20 15:56	04/11/20 19:10	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:56	04/11/20 19:10	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:56	04/11/20 19:10	1

Lab Sample ID: LCS 180-311484/2-A

Matrix: Water

Analysis Batch: 312766

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 311484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic	1.00	0.949		mg/L		95	80 - 120	
Barium	1.00	1.07		mg/L		107	80 - 120	

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311484/2-A**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.500	0.532	^	mg/L		106	80 - 120
Boron	1.25	1.30		mg/L		104	80 - 120
Cadmium	0.500	0.523		mg/L		105	80 - 120
Calcium	25.0	28.4		mg/L		114	80 - 120
Chromium	0.500	0.527		mg/L		105	80 - 120
Cobalt	0.500	0.472		mg/L		94	80 - 120
Copper	0.500	0.533		mg/L		107	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.467		mg/L		93	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.266		mg/L		106	80 - 120
Thallium	1.00	1.07		mg/L		107	80 - 120
Vanadium	0.500	0.524		mg/L		105	80 - 120
Zinc	0.250	0.241		mg/L		96	80 - 120

**Lab Sample ID: 180-103886-A-8-B MS**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0069		0.250	0.254		mg/L		99	75 - 125
Arsenic	0.16		1.00	1.14		mg/L		98	75 - 125
Barium	0.017	F1 F2	1.00	0.917		mg/L		90	75 - 125
Boron	0.097		1.25	1.31		mg/L		97	75 - 125
Cadmium	0.012		0.500	0.535		mg/L		105	75 - 125
Calcium	200		25.0	222	4	mg/L		89	75 - 125
Chromium	0.041		0.500	0.552		mg/L		102	75 - 125
Cobalt	0.75		0.500	1.21		mg/L		91	75 - 125
Copper	0.87		0.500	1.40		mg/L		106	75 - 125
Lead	0.014		0.500	0.512		mg/L		100	75 - 125
Selenium	0.11		1.00	1.09		mg/L		98	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	0.012	B	1.00	1.11		mg/L		110	75 - 125
Vanadium	0.052		0.500	0.571		mg/L		104	75 - 125
Zinc	1.4		0.250	1.62	4	mg/L		80	75 - 125

**Lab Sample ID: 180-103886-A-8-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	0.0069		0.250	0.263		mg/L		102	75 - 125	3	20
Arsenic	0.16		1.00	1.11		mg/L		95	75 - 125	2	20
Barium	0.017	F1 F2	1.00	0.719	F1 F2	mg/L		70	75 - 125	24	20
Boron	0.097		1.25	1.32		mg/L		98	75 - 125	1	20
Cadmium	0.012		0.500	0.528		mg/L		103	75 - 125	1	20
Calcium	200		25.0	224	4	mg/L		96	75 - 125	1	20
Chromium	0.041		0.500	0.550		mg/L		102	75 - 125	0	20
Cobalt	0.75		0.500	1.24		mg/L		96	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: 180-103886-A-8-C MSD**  
**Matrix: Water**  
**Analysis Batch: 312766**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311484**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.87		0.500	1.43		mg/L		110	75 - 125	2	20
Lead	0.014		0.500	0.487		mg/L		95	75 - 125	5	20
Selenium	0.11		1.00	1.09		mg/L		98	75 - 125	0	20
Silver	<0.00018		0.250	0.259		mg/L		103	75 - 125	4	20
Thallium	0.012	B	1.00	1.13		mg/L		112	75 - 125	1	20
Vanadium	0.052		0.500	0.569		mg/L		103	75 - 125	0	20
Zinc	1.4		0.250	1.65	4	mg/L		94	75 - 125	2	20

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

**Lab Sample ID: MB 180-311685/1-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		03/31/20 16:25	04/01/20 16:40	1

**Lab Sample ID: LCS 180-311685/2-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00238		mg/L		95	80 - 120

**Lab Sample ID: 180-103890-1 MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00010		0.00100	0.00101		mg/L		101	75 - 125

**Lab Sample ID: 180-103890-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: GWA-47**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00010		0.00100	0.000994		mg/L		99	75 - 125	1	20

**Lab Sample ID: MB 180-311760/1-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		04/01/20 10:30	04/01/20 18:03	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

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

**Lab Sample ID: LCS 180-311760/2-A**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00241		mg/L		96	80 - 120

**Lab Sample ID: 180-103853-E-18-E MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.00102		mg/L		102	75 - 125

**Lab Sample ID: 180-103853-E-18-F MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311760**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.000995		mg/L		100	75 - 125	3	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 180-310953/2**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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			03/24/20 12:12	1

**Lab Sample ID: LCS 180-310953/1**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	242	226		mg/L		93	80 - 120

**Lab Sample ID: 180-103889-A-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	130		127		mg/L		5	10

**Lab Sample ID: 180-103893-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**Client Sample ID: GWA-45**  
**Prep Type: Total/NA**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	310		309		mg/L		2	10

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LB 180-310706/1-A**  
**Matrix: Water**  
**Analysis Batch: 311077**

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

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/25/20 09:16	1

**Lab Sample ID: MB 180-311077/2**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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			03/25/20 09:16	1

**Lab Sample ID: LCS 180-311077/1**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	242	238		mg/L		98	80 - 120

**Lab Sample ID: 180-103893-11 DU**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	270		290		mg/L		6	10

**Lab Sample ID: 180-103941-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311077**

**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	360		363		mg/L		0	10

**Lab Sample ID: MB 180-311080/2**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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			03/25/20 09:25	1

**Lab Sample ID: LCS 180-311080/1**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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	242	250		mg/L		103	80 - 120

**Lab Sample ID: 180-103890-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311080**

**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	99		93.0		mg/L		6	10

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: 180-103935-A-1 DU**  
**Matrix: Water**  
**Analysis Batch: 311080**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	130		124		mg/L		0.8	10

**Lab Sample ID: MB 180-311085/2**  
**Matrix: Water**  
**Analysis Batch: 311085**

**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			03/25/20 10:01	1

**Lab Sample ID: LCS 180-311085/1**  
**Matrix: Water**  
**Analysis Batch: 311085**

**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	242	242		mg/L		100	80 - 120

**Lab Sample ID: 180-103893-10 DU**  
**Matrix: Water**  
**Analysis Batch: 311085**

**Client Sample ID: GWC-52**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	160		147		mg/L		6	10

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## HPLC/IC

### Analysis Batch: 312254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312254/43	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312254/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312254/42	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103890-1 MS	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-103890-1 MSD	GWA-47	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-2	FB-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312383/20	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312383/19	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103853-D-5 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-103853-D-5 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-13	FB-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-15	EB-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-16	EB-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312386/39	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312386/38	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14 MS	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	
180-103893-14 MSD	FD-2(PA)	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-103893-2	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-103893-3	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-103893-4	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-103893-5	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-103893-6	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-103893-7	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-103893-8	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-103893-9	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-103893-10	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312442/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312442/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104008-D-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104008-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-11	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-103893-12	FD-1(PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312565/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312565/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104441-E-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104441-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Metals

### Prep Batch: 311483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total Recoverable	Water	3005A	
180-103890-2	FB-2(PA)	Total Recoverable	Water	3005A	
180-103893-1	GWA-21	Total Recoverable	Water	3005A	
180-103893-2	GWA-22	Total Recoverable	Water	3005A	
180-103893-3	GWC-29	Total Recoverable	Water	3005A	
180-103893-4	GWA-46	Total Recoverable	Water	3005A	
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103893-4 MS	GWA-46	Total Recoverable	Water	3005A	
180-103893-4 MSD	GWA-46	Total Recoverable	Water	3005A	

### Prep Batch: 311484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-5	GWA-45	Total Recoverable	Water	3005A	
180-103893-6	GWA-48	Total Recoverable	Water	3005A	
180-103893-7	GWA-49	Total Recoverable	Water	3005A	
180-103893-8	GWC-50	Total Recoverable	Water	3005A	
180-103893-9	GWC-51	Total Recoverable	Water	3005A	
180-103893-10	GWC-52	Total Recoverable	Water	3005A	
180-103893-11	GWC-53	Total Recoverable	Water	3005A	
180-103893-12	FD-1(PA)	Total Recoverable	Water	3005A	
180-103893-13	FB-1(PA)	Total Recoverable	Water	3005A	
180-103893-14	FD-2(PA)	Total Recoverable	Water	3005A	
180-103893-15	EB-1(PA)	Total Recoverable	Water	3005A	
180-103893-16	EB-2(PA)	Total Recoverable	Water	3005A	
MB 180-311484/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311484/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-103886-A-8-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-103886-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 311685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	7470A	
180-103890-2	FB-2(PA)	Total/NA	Water	7470A	
180-103893-1	GWA-21	Total/NA	Water	7470A	
180-103893-2	GWA-22	Total/NA	Water	7470A	
180-103893-3	GWC-29	Total/NA	Water	7470A	
180-103893-4	GWA-46	Total/NA	Water	7470A	
180-103893-5	GWA-45	Total/NA	Water	7470A	
180-103893-6	GWA-48	Total/NA	Water	7470A	
180-103893-7	GWA-49	Total/NA	Water	7470A	
180-103893-8	GWC-50	Total/NA	Water	7470A	
180-103893-9	GWC-51	Total/NA	Water	7470A	
180-103893-10	GWC-52	Total/NA	Water	7470A	
180-103893-11	GWC-53	Total/NA	Water	7470A	
MB 180-311685/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311685/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103890-1 MS	GWA-47	Total/NA	Water	7470A	
180-103890-1 MSD	GWA-47	Total/NA	Water	7470A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Metals

### Prep Batch: 311760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-12	FD-1(PA)	Total/NA	Water	7470A	
180-103893-13	FB-1(PA)	Total/NA	Water	7470A	
180-103893-14	FD-2(PA)	Total/NA	Water	7470A	
180-103893-15	EB-1(PA)	Total/NA	Water	7470A	
180-103893-16	EB-2(PA)	Total/NA	Water	7470A	
MB 180-311760/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311760/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103853-E-18-E MS	Matrix Spike	Total/NA	Water	7470A	
180-103853-E-18-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 311830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	EPA 7470A	311685
180-103890-2	FB-2(PA)	Total/NA	Water	EPA 7470A	311685
180-103893-1	GWA-21	Total/NA	Water	EPA 7470A	311685
180-103893-2	GWA-22	Total/NA	Water	EPA 7470A	311685
180-103893-3	GWC-29	Total/NA	Water	EPA 7470A	311685
180-103893-4	GWA-46	Total/NA	Water	EPA 7470A	311685
180-103893-5	GWA-45	Total/NA	Water	EPA 7470A	311685
180-103893-6	GWA-48	Total/NA	Water	EPA 7470A	311685
180-103893-7	GWA-49	Total/NA	Water	EPA 7470A	311685
180-103893-8	GWC-50	Total/NA	Water	EPA 7470A	311685
180-103893-9	GWC-51	Total/NA	Water	EPA 7470A	311685
180-103893-10	GWC-52	Total/NA	Water	EPA 7470A	311685
180-103893-11	GWC-53	Total/NA	Water	EPA 7470A	311685
180-103893-12	FD-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-13	FB-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-14	FD-2(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-15	EB-1(PA)	Total/NA	Water	EPA 7470A	311760
180-103893-16	EB-2(PA)	Total/NA	Water	EPA 7470A	311760
MB 180-311685/1-A	Method Blank	Total/NA	Water	EPA 7470A	311685
MB 180-311760/1-A	Method Blank	Total/NA	Water	EPA 7470A	311760
LCS 180-311685/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311685
LCS 180-311760/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311760
180-103853-E-18-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	311760
180-103853-E-18-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311760
180-103890-1 MS	GWA-47	Total/NA	Water	EPA 7470A	311685
180-103890-1 MSD	GWA-47	Total/NA	Water	EPA 7470A	311685

### Analysis Batch: 312766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total Recoverable	Water	EPA 6020B	311483
180-103890-2	FB-2(PA)	Total Recoverable	Water	EPA 6020B	311483
180-103893-1	GWA-21	Total Recoverable	Water	EPA 6020B	311483
180-103893-2	GWA-22	Total Recoverable	Water	EPA 6020B	311483
180-103893-3	GWC-29	Total Recoverable	Water	EPA 6020B	311483
180-103893-4	GWA-46	Total Recoverable	Water	EPA 6020B	311483
180-103893-5	GWA-45	Total Recoverable	Water	EPA 6020B	311484
180-103893-6	GWA-48	Total Recoverable	Water	EPA 6020B	311484
180-103893-7	GWA-49	Total Recoverable	Water	EPA 6020B	311484
180-103893-8	GWC-50	Total Recoverable	Water	EPA 6020B	311484

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## Metals (Continued)

### Analysis Batch: 312766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-9	GWC-51	Total Recoverable	Water	EPA 6020B	311484
180-103893-10	GWC-52	Total Recoverable	Water	EPA 6020B	311484
180-103893-11	GWC-53	Total Recoverable	Water	EPA 6020B	311484
180-103893-12	FD-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-13	FB-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-14	FD-2(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-15	EB-1(PA)	Total Recoverable	Water	EPA 6020B	311484
180-103893-16	EB-2(PA)	Total Recoverable	Water	EPA 6020B	311484
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311483
MB 180-311484/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311484
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483
LCS 180-311484/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311484
180-103886-A-8-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	311484
180-103886-A-8-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	311484
180-103893-4 MS	GWA-46	Total Recoverable	Water	EPA 6020B	311483
180-103893-4 MSD	GWA-46	Total Recoverable	Water	EPA 6020B	311483

### Analysis Batch: 312912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483

## General Chemistry

### Leach Batch: 310706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-310706/1-A	Method Blank	Total/NA	Water	D3987-85	

### Analysis Batch: 310953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-1	GWA-21	Total/NA	Water	SM 2540C	
180-103893-2	GWA-22	Total/NA	Water	SM 2540C	
180-103893-3	GWC-29	Total/NA	Water	SM 2540C	
180-103893-4	GWA-46	Total/NA	Water	SM 2540C	
180-103893-5	GWA-45	Total/NA	Water	SM 2540C	
180-103893-6	GWA-48	Total/NA	Water	SM 2540C	
180-103893-7	GWA-49	Total/NA	Water	SM 2540C	
180-103893-8	GWC-50	Total/NA	Water	SM 2540C	
MB 180-310953/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-310953/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103889-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	
180-103893-5 DU	GWA-45	Total/NA	Water	SM 2540C	

### Analysis Batch: 311077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-9	GWC-51	Total/NA	Water	SM 2540C	
180-103893-11	GWC-53	Total/NA	Water	SM 2540C	
180-103893-12	FD-1(PA)	Total/NA	Water	SM 2540C	
180-103893-13	FB-1(PA)	Total/NA	Water	SM 2540C	
180-103893-14	FD-2(PA)	Total/NA	Water	SM 2540C	
180-103893-15	EB-1(PA)	Total/NA	Water	SM 2540C	
180-103893-16	EB-2(PA)	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer PAC Ash Cell

Job ID: 180-103890-1

## General Chemistry (Continued)

### Analysis Batch: 311077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-310706/1-A	Method Blank	Total/NA	Water	SM 2540C	310706
MB 180-311077/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311077/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103893-11 DU	GWC-53	Total/NA	Water	SM 2540C	
180-103941-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 311080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	SM 2540C	
180-103890-2	FB-2(PA)	Total/NA	Water	SM 2540C	
MB 180-311080/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311080/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103890-1 DU	GWA-47	Total/NA	Water	SM 2540C	
180-103935-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 311085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103893-10	GWC-52	Total/NA	Water	SM 2540C	
MB 180-311085/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311085/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103893-10 DU	GWC-52	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 310781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103890-1	GWA-47	Total/NA	Water	Field Sampling	
180-103893-1	GWA-21	Total/NA	Water	Field Sampling	
180-103893-2	GWA-22	Total/NA	Water	Field Sampling	
180-103893-3	GWC-29	Total/NA	Water	Field Sampling	
180-103893-4	GWA-46	Total/NA	Water	Field Sampling	
180-103893-5	GWA-45	Total/NA	Water	Field Sampling	
180-103893-6	GWA-48	Total/NA	Water	Field Sampling	
180-103893-7	GWA-49	Total/NA	Water	Field Sampling	
180-103893-8	GWC-50	Total/NA	Water	Field Sampling	
180-103893-9	GWC-51	Total/NA	Water	Field Sampling	
180-103893-10	GWC-52	Total/NA	Water	Field Sampling	
180-103893-11	GWC-53	Total/NA	Water	Field Sampling	







180-103693 Chain of Custody

TestAmerica Laboratories, Inc.

180-103693 Chain of Custody

Regulatory Program:  Air  Water  RCRA  Other

Client Contact

Site Contact: Cooks Federal

Lab Contact: Veronica Borstel

Project Manager: Dawn Post  
Tel/Fax: 349-836-8448

COO No: 180-103693

Client Contact: Southern Company  
241 Ralph McGill Blvd SE, B 1018B  
Atlanta, GA 30338

Project Name: COC - Plant Scherer PAC Run Cool  
Site: Georgia  
P.O. #: 18018684

Analysis Turnaround Time:  
 2 weeks  
 1 week  
 2 days  
 1 day

Test if different from below:  3-4 days

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Matrix Cont.	Sample Identification	
						Sample ID	Sample Time
COC-01	3/18/2020	8:08	G	Water	2		
COC-02	3/18/2020	10:10	G	Water	2		
COC-03	3/18/2020	13:06	G	Water	2		
COC-04	3/18/2020	17:07	G	Water	2		
COC-05	3/18/2020	14:15	G	Water	2		
COC-06	3/18/2020	14:11	G	Water	2		
COC-07	3/18/2020	11:26	G	Water	2		
COC-08	3/18/2020	13:06	G	Water	2		
COC-09	3/18/2020	11:26	G	Water	2		
COC-10	3/18/2020	13:06	G	Water	2		
COC-11	3/18/2020	14:17	G	Water	2		
FC-1 (PA)	-	-	G	Water	2		

Preservation Used:  Ice,  Ice/Sox,  Ice/Sox,  Other

Possible Hazard Identification:  None,  None,  None

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/SC Requirements & Comments:

Site Contact: Cooks Federal  
Lab Contact: Veronica Borstel

Carrier: 180-103693

Received by: [Signature]  
Date/Time: 3-20-20

Received by: [Signature]  
Date/Time: 3-20-20

Received in Laboratory by: [Signature]  
Date/Time: 3-20-20

Company: [Signature]

Company: [Signature]

Company: [Signature]





# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103890-1

**Login Number: 103890**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (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: 180-103890-1

**Login Number: 103893**

**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	



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**REPORT**

## 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*

Submitted to:



### **Georgia Power Company**

241 Ralph McGill Boulevard NE, Atlanta, Georgia 30308

Submitted by:

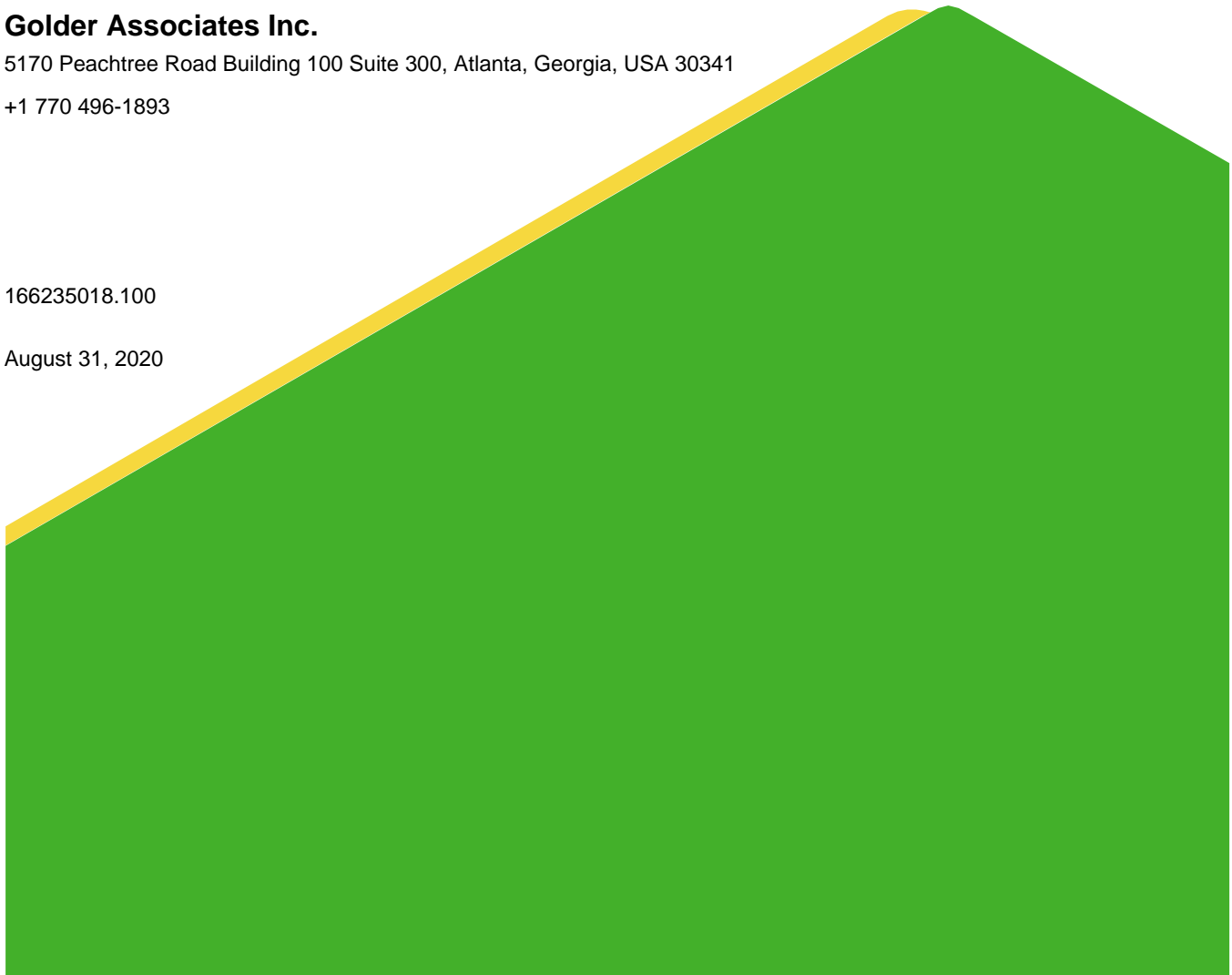
### **Golder Associates Inc.**

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

+1 770 496-1893

166235018.100

August 31, 2020



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## FIGURES

Figure 1 Site Location Map

Figure 2 Potentiometric Surface Map (May 6, 2020)



## Certification

This *Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell, 2020 First Semi-Annual Monitoring Event*, has been prepared in compliance with applicable 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.



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

I hereby certify that the information used in this *2020 First 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

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[https://golderassociates.sharepoint.com/sites/24912g/project files/200 reports/alternate source demonstrations/1sa2020\\_asd landfill\\_8.2020/asd\\_state permit 1sa-2020 final\\_8.31.2020.docx](https://golderassociates.sharepoint.com/sites/24912g/project%20files/200%20reports/alternate%20source%20demonstrations/1sa2020_asd%20landfill_8.2020/asd_state%20permit%201sa-2020%20final_8.31.2020.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 First Semi-Annual Groundwater Monitoring Report*, dated August 31, 2020 for the March 2020 semi-annual groundwater sampling event at Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash cell.

Semi-annual water quality 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 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 a minor modification for the addition of CCR Rule Appendix III and Appendix IV monitoring parameters approved by EPD on August 9, 2017 as well as a minor modification for revised statistical analysis approved by EPD on August 20, 2019. The following sections address the statistical exceedances noted following the March 2020 semi-annual monitoring event.

This ASD has been prepared to demonstrate that the SSIs are not the result of a release from Cell 1 or PAC Ash Cell, but rather are primarily the result of natural groundwater chemistry variation not accommodated by the statistical method.

## 2.0 SITE DESCRIPTION

Plant Scherer is located in northeast Monroe County, Georgia, approximately 5 miles south of Juliette, GA. The property occupies approximately 12,000 acres and is bounded on the south by Lake Juliette. The plant is primarily surrounded by agricultural and residential use. Figure 1, Site Location Map, 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, Potentiometric Surface Map (May 6, 2020), depicts the general configuration of the landfill units and site monitoring wells along with the potentiometric surface from May 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. 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.

## 3.0 EVALUATION OF ANALYTICAL RESULTS & STATISTICAL ANALYSES

As presented in the *2020 First 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 2020 sampling event with exceptions noted in the report.

Verification resampling was not conducted for initial control limit exceedances reported in March 2020. This ASD addresses each of the 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 USEPA regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

In detection monitoring at the site, groundwater quality data are evaluated using a combination of both interwell and intrawell prediction limits (PLs) combined with a resample plan for comparison of compliance data. The statistical method(s) use an optional 1-of-2 verification resample plan. An initial exceedance occurs when any downgradient well data exceed the PL.

### 3.2 Statistically Significant Increases

Table 1, March 2020 Statistically Significant Increase Summary, provides a summary of the apparent statistical exceedances identified in the 2020 First Semi-Annual Groundwater Monitoring & Corrective Action Report.

**Table 1: March 2020 Statistically Significant Increase Summary**

Appendix III Constituents	Cell 1 & PAC Ash Cell Monitoring Wells
Calcium	GWC-8A, GWC-12, GWC-13, GWC-19, GWA-22, GWA-47, GWC-29, GWC-52
Chloride	GWC-7, GWC-10, GWC-12, GWC-19, GWA-46, GWC-51, GWC-53
pH	GWC-19, GWC-29, GWA-45
Sulfate	GWC-10, GWC-12, GWC-13, GWA-15, GWC-29, GWC-52
Total Dissolved Solids	GWC-8A
State Appendix I Monitoring Parameters	
Barium	GWC-10, GWC-11, GWC-13, GWC-19, GWC-29, GWA-45, GWA-46, GWC-52
Cobalt	GWC-8A
Chromium	GWC-52
Vanadium	GWA-21

### 3.3 Verification Sampling

In lieu of immediate verification resampling, an ASD has been prepared to address each of the initial and verified statistically significant increases (SSIs) over background. Table 2, Summary of Sampling Results, provides the results of the March 2020 sampling event, the upper PL, and whether the statistical exceedance is verified from the previous (September 2019) event or an initial control limit exceedance for which an ASD as been prepared. Verification sampling for the initial control limit exceedances identified following the March 2020 monitoring event will be conducted in September 2020.

**Table 2: Summary of Sampling Results**

Well	Parameter	Sample Result (March 2020) mg/L	Prediction Limit mg/L	SSI (Verified / NotVerified)	Previous ASD
<b>Cell 1</b>					
GWC-7	Chloride	2.1	1.883	<b>verified</b>	YES 4/2020
GWC-8A	Calcium	53	45.47	initial	Included below
	Cobalt	0.0027	0.0011	initial	Included below
	Total Dissolved Solids	300	243.6	initial	YES 4/2019
GWC-10	Chloride	4.1	2.684	<b>verified</b>	YES 4/2019
	Sulfate	2.4	1.408	<b>verified</b>	YES 11/2019
	Barium	0.036	0.03491	initial	Included below
GWC-11	Barium	0.019	0.018	initial	Included below
GWC-12	Chloride	2.1	2.068	initial	Included below
	Calcium	1.6	1.461	Initial	Included below
	Sulfate	1.3	0.7	Initial	Included below
GWC-13	Calcium	9.3	7.811	Initial	Included below
	Sulfate	25	0.7	<b>verified</b>	<b>YES 11/2019</b>
	Barium	0.058	0.04177	initial	Included below
GWA-15	Sulfate	3.1	1.2	initial	Included below
GWC-19	Chloride	2.2	2.038	initial	Included below
	Calcium	14	13.6	<b>verified</b>	YES 4/2020
	pH	6.27	6.35 – 6.51	initial	Included below
	Barium	0.025	0.01997	<b>verified</b>	YES 4/2020
<b>PAC Ash Cell</b>					
GWA-21	Vanadium	0.003	0.0028	<b>verified</b>	YES 4/2020
GWA-22	Calcium	9.7	9.51	initial	Included below
GWA-45	Barium	0.11	0.05677	<b>verified</b>	YES 11/2019
	pH	6.46	5.747 - 6.448	initial	Included below
GWA-46	Barium	0.023	0.0216	<b>verified</b>	YES 4/2020
	Chloride	4.5	4.044	<b>verified</b>	YES 4/2020
GWA-47	Calcium	12	11.8	<b>verified</b>	YES 4/2020
GWC-29	Barium	0.019	0.01827	<b>verified</b>	YES 4/2019
	Calcium	16	11.14	<b>verified</b>	YES 4/2019
	pH	5.97	5.7 - 5.923	<b>verified</b>	YES 4/2019
	Sulfate	3.2	2.916	<b>verified</b>	YES 11/2019
GWC-51	Chloride	7.3	7.083	initial	Included below
GWC-52	Barium	0.018	0.01427	<b>verified</b>	YES 4/2020
	Calcium	19	16.21	<b>verified</b>	YES 4/2020
	Chromium	0.029	0.01528	<b>verified</b>	YES 4/2020
	Sulfate	40	26.14	<b>verified</b>	YES 4/2020
GWC-53	Chloride	13	12	initial	YES 4/2020

Notes:

GWA = upgradient well  
 mg/L = milligrams per liter  
 "J" Result is estimated.

pH is reported in standard units (S.U.). Prediction limit for pH shows both the upper and lower prediction limit.

## 4.0 ALTERNATE SOURCE DEMONSTRATION

As summarized in Table 2, SSIs of groundwater quality data were noted for barium, boron, calcium, chloride, chromium, pH, and sulfate at select Cell 1 and PAC Ash monitoring wells. 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), Second Semi-Annual 2019 Monitoring Event (Golder, April 2020)
- Alternate Source Demonstration, Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) First Semi-Annual 2019 Monitoring Event (Golder, November 2019)
- Alternate Source Demonstration Second Semi-Annual 2018 Monitoring Event – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) (Golder, April 2019)

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 Upgradient Monitoring Wells (GWA-15, GWA-22, GWA-45)

Statistical exceedances were noted for several upgradient wells at Plant Scherer Cell 1 and PAC Ash Cell, including GWA-15, GWA-22, and GWA-45. Each of these wells is located hydraulically upgradient of the unit as shown on the potentiometric surface map included in the *2020 First Semi-Annual Groundwater Monitoring & Corrective Action Report* (Golder, August 2020). The purpose of upgradient background is to identify background groundwater quality and characterize local or long-term changes in background quality. Since these are upgradient background wells, changes in groundwater quality are – by definition – not attributable to a release from the unit. The noted SSIs are likely the result of natural variability in groundwater migrating towards the unit and not accommodated by the background data for the site.

Review of groundwater elevations confirms the upgradient position of each of these monitoring wells. These wells are not downgradient of monitored disposal units and groundwater flows toward the disposal units. As a result any statistical exceedance observed at an upgradient monitoring well cannot reasonably be the result of a release from the lined landfill cell. Based on this fact, the observed statistical exceedances noted for upgradient monitoring wells GWA-15, GWA-22 and GWA-45 are not the result of an impact by the CCR unit and are the result of natural variability in upgradient groundwater quality.

### 4.2 Barium (GWC-10, GWC-11, and GWC-13)

The SSIs of barium represent natural background quality. SSIs of barium were identified at downgradient monitoring wells GWC-10, GWC-11 and GWC-13 among other wells for which an ASD has already been prepared. As shown on the following time series graphs, the reported concentrations of barium observed at GWC-10 [0.036 milligrams per liter (mg/L)], GWC-11 (0.019 mg/L) and GWC-13 (0.058 mg/L) are within the range observed across the site (refer to Figures 4.2.1 through 4.2.4 below) and also within the range of concentrations observed naturally in the regolith – fractured bedrock aquifers in the Piedmont of southeastern United States (US; USGS, 2013).

Groundwater monitoring results do not indicate that these wells have been impacted by a release from the disposal units. The typical CCR indicator boron has not been detected in these wells, nor have elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSIs observed at these wells.

Based on these facts, the statistical exceedances for barium are not the result of a release from the units and are interpreted to be the result of natural variability in groundwater chemistry. GPC will continue to monitor the occurrence and variability of barium at GWC-10, GWC-11 and GWC-13 during future sampling events.

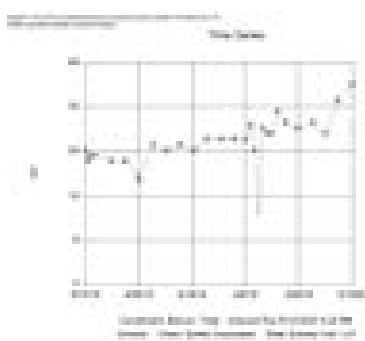


Figure 4.2.1: Barium GWC-10

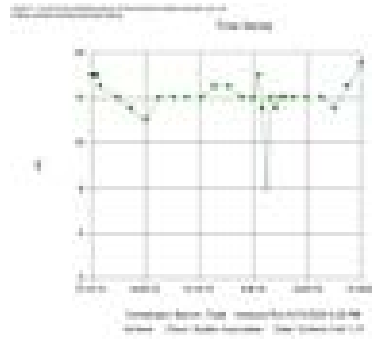


Figure 4.2.2: Barium GWC-11

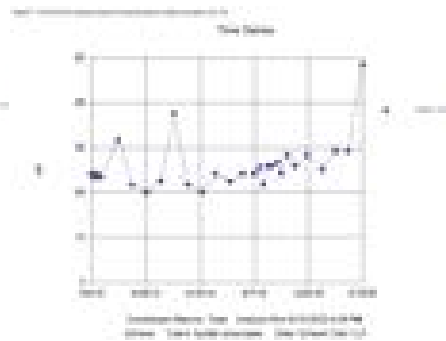


Figure 4.2.3: Barium GWC-13

StatSoft® v13.26 For the statistical analysis of ground water by Golden Associates, Inc. US  
 Redline symbols indicate censored values.

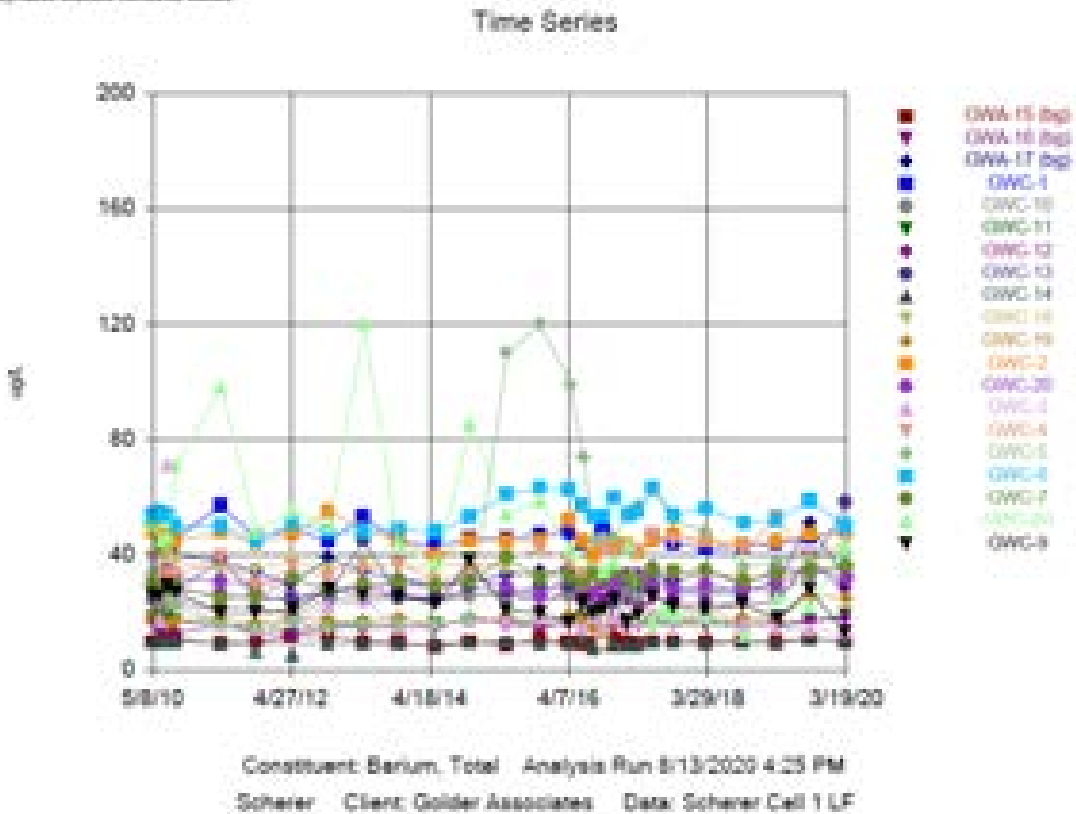


Figure 4.2.4: Site-Wide Barium

### 4.3 Calcium (GWC-8A, GWC-12, and GWC-13)

SSIs of calcium were identified at downgradient monitoring wells GWC-8A, GWC-12 and GWC-13 following the March 2020 sampling event. The SSIs are the result of exceedances of the calculated intra-well 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-12 (1.6 mg/L) and GWC-13 (9.3 mg/L) are within the range observed across the site (1 to 20 mg/L). Although the reported concentration observed at GWC-8A (53 mg/L) is elevated above the site-wide background, concentrations of boron, a CCR indicator parameter, do not exceed statistical limits. In addition, review of the time series plots for these wells (below figures 4.3.1 through 4.3.4) show that calcium concentrations at wells GWC-12 and GWC-13 show 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.

Groundwater monitoring results do not indicate that these wells have been impacted by a release from the disposal units. The primary CCR indicator boron has not been detected at these wells, nor has elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSI observed at GWC-8A, GWC-12 and GWC-13.

Based on these data, the apparent SSIs of calcium are not the result of a release from the CCR unit and is the result of natural variability in groundwater chemistry not accommodated by the current background data set. GPC will continue to monitor the occurrence of calcium at GWC-8A, GWC-12 and GWC-13 following the next scheduled sampling event.

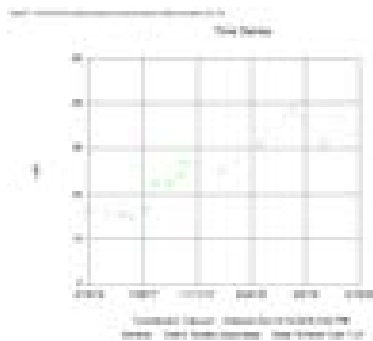


Figure 4.3.1: Calcium GWC-8A

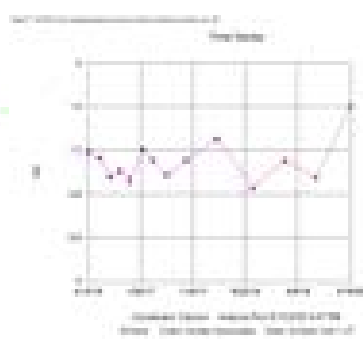


Figure 4.3.2: Calcium GWC-12

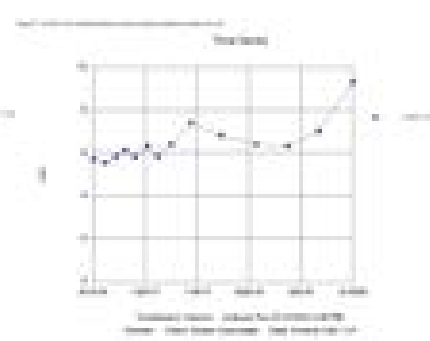


Figure 4.3.3: Calcium GWC-13

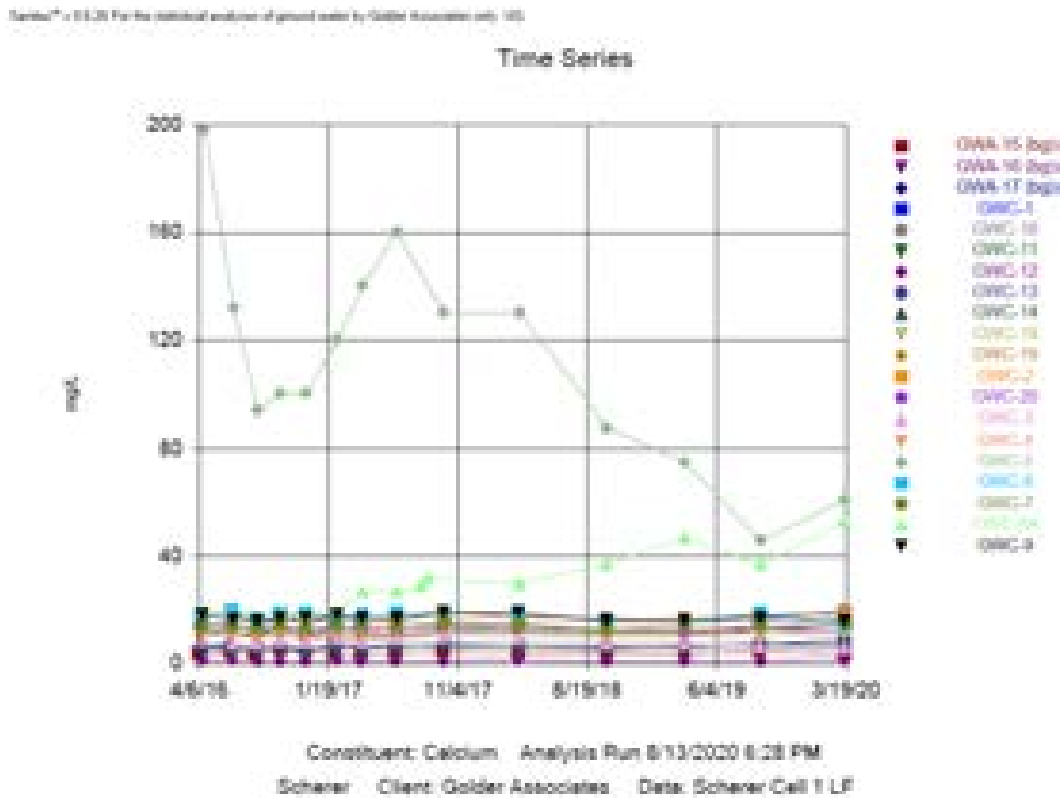


Figure 4.3.4: Site-Wide Calcium

#### 4.4 Chloride (GWC-12, GWC-19, GWC-51)

SSIs of chloride were identified at downgradient Cell 1 monitoring wells GWC-12, GWC-19 and PAC Ash well GWC-51 following the March 2020 sampling event. The observed concentrations of chloride at GWC-12 (2.1 mg/L) is slightly above the PL (2.068 mg/L), the concentration at GWC-19 (2.2 mg/L) is slightly above the PL (2.038 mg/L), and the concentration at GWC-51 (7.3 mg/L) is slightly above the PL (7.083 mg/L). Review of the time series plots (Figures 4.4.1 through 4.4.5) show that the reported concentrations at these wells are within the range of concentrations observed at other site monitoring wells and no discernable trends are observed. The reported SSI is the result of a slight increase in concentration, not a significant increase as would be expected if a CCR release were to have occurred. Chloride concentrations at these wells are less than 8 mg/L which is very low and near the range of those observed in precipitation and at face value is evidence that a CCR release has not occurred.

Groundwater monitoring results do not indicate that GWC-12, GWC-19 and GWC-51 have been impacted by a release from the disposal units. In addition to extremely low concentrations of chloride, a primary CCR indicator, boron, has not been detected at these wells, nor have elevated concentrations or increasing trends of other constituents been observed. This indicates that a release of CCR materials has not caused the SSIs observed

Based on these facts, the statistical exceedances of chloride at GWC-12, GWC-19 and GWC-51 are not the result of a release from the CCR units and is the result of natural variability in groundwater chemistry not accommodated by the statistical background. GPC will continue to monitor the variability of chloride concentrations at these wells during future sampling events.



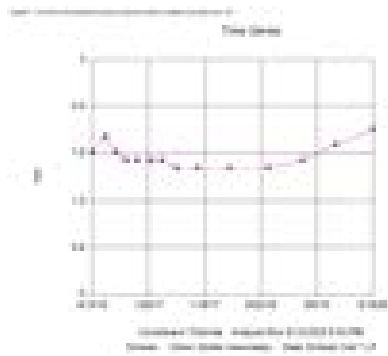


Figure 4.4.1: Chloride GWC-12

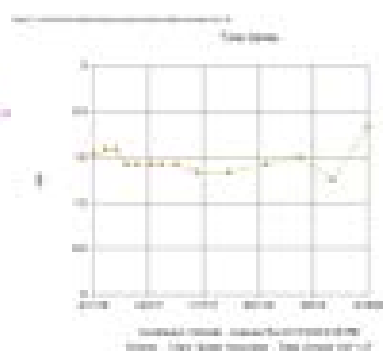


Figure 4.3.2: Chloride GWC-19

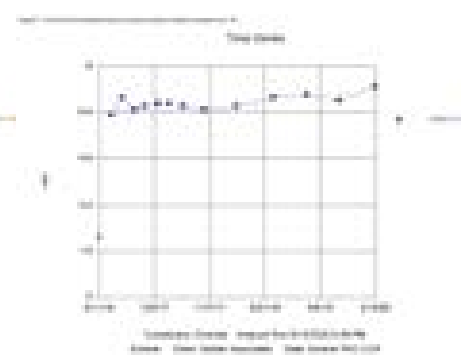


Figure 4.3.3: Chloride GWC-51

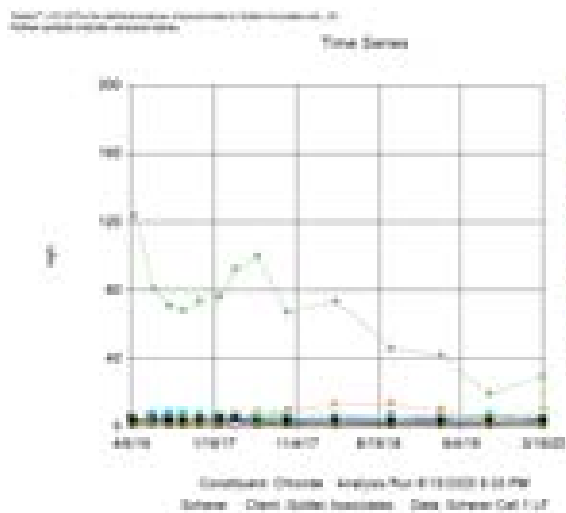


Figure 4.4.4: Chloride Cell 1 Site-Wide

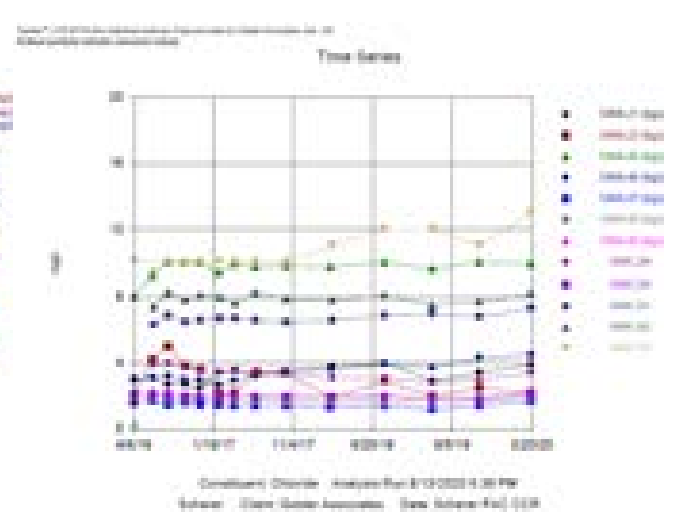


Figure 4.4.5: Chloride PAC Ash Site-Wide

## 4.5 Cobalt (GWC-8A)

A SSI of cobalt was identified at downgradient Cell 1 monitoring well GWC-8A following the March 2020 sampling event. The observed concentration of cobalt (0.0027 mg/L) is slightly above the PL (0.0011 mg/L). Review of the time series plots (Figures 4.5.1 and 4.5.2) show that the reported concentration at GWC-8A is not part of a significant trend. An ASD for cobalt (Golder 2019) has previously been submitted for an adjacent CCR unit at Plant Scherer, which further supports the occurrence of naturally occurring cobalt at the site (Golder, 2019). Groundwater monitoring results do not indicate that this well has been impacted by a release from the disposal units. Boron has not been detected at well GWC-8A, nor have elevated concentrations or increasing trends of other CCR indicators been observed in this well. This indicates that a release of CCR materials has not caused the SSI observed at GWC-8A. Based on data presented in the literature and in this ASD, the observed concentration of cobalt at GWC-8A is representative of naturally occurring cobalt within the the aquifer.

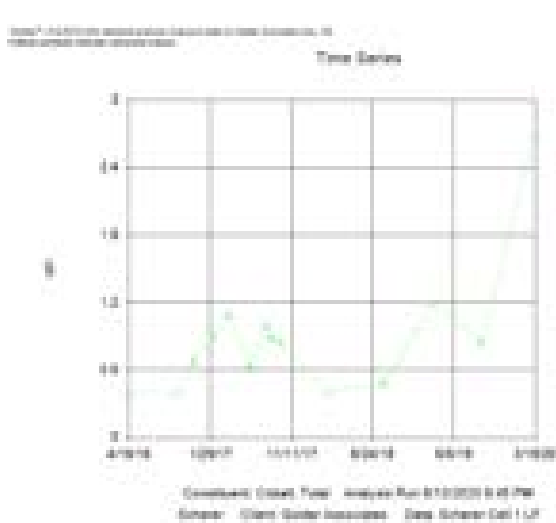


Figure 4.5.1: Cobalt GWC-8A

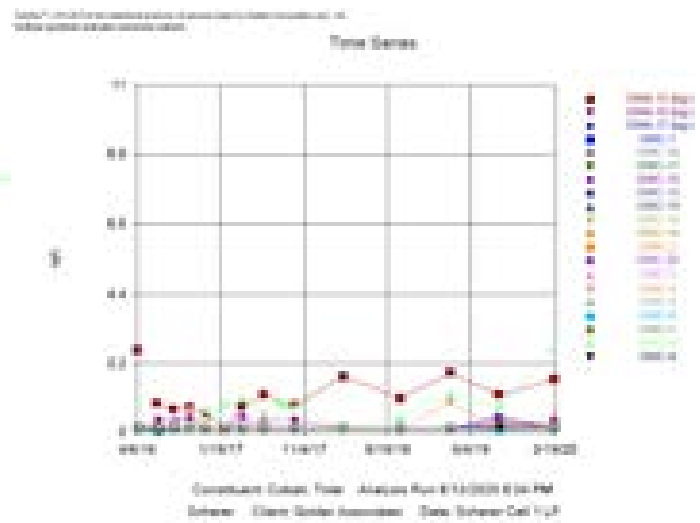


Figure 4.5.2: Cobalt Cell 1 Site-Wide

## 4.6 pH (GWC-19)

A SSI of pH was identified at downgradient Cell 1 monitoring well GWC-19 following the March 2020 sampling event. The reported field concentration of pH (6.27 S.U.) is slightly below the lower PL (6.35 S.U.). Review of the time series plots (Figures 4.6.1 and 4.6.2) show that the reported concentrations at GWC-19 is not part of a significant trend and is within the range of pH concentrations observed across the site. pH is a field parameter and is highly dependent on temperature and time.

Based on these facts, the statistical exceedance of pH at GWC-19 is not the result of a release from the CCR units and is the result of natural variability in groundwater chemistry not accommodated by the statistical background. GPC will continue to monitor the variability of pH concentrations at this wells during future sampling events.

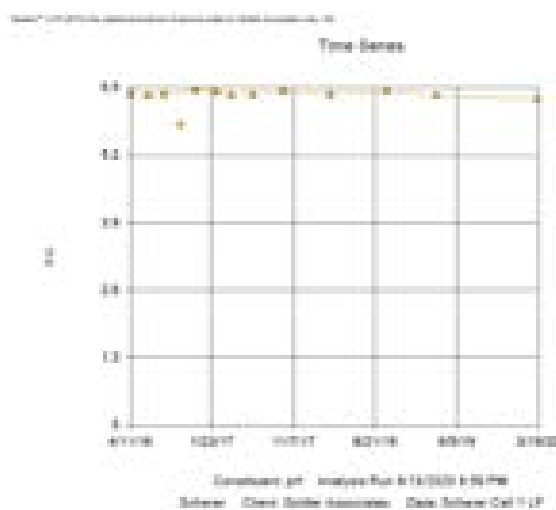


Figure 4.6.1: pH GWC-19

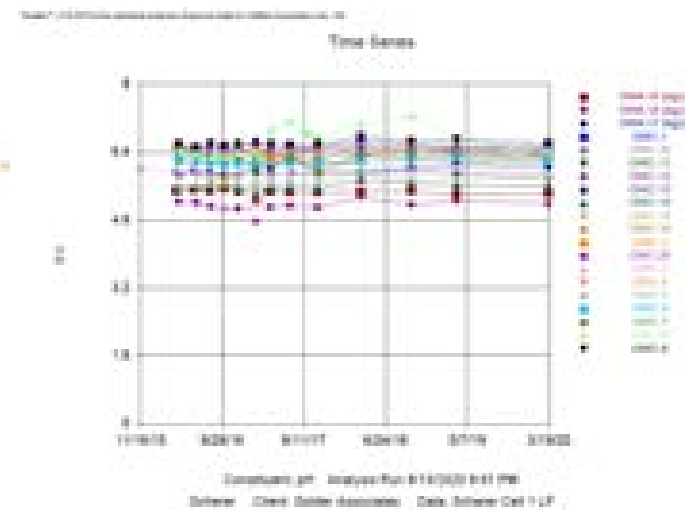


Figure 4.6.2: pH Cell 1 Site-Wide

## 4.7 Sulfate (GWC-12)

A SSI of sulfate was identified at downgradient Cell 1 monitoring well GWC-12 following the March 2020 sampling event. The reported concentrations of sulfate (1.3 mg/L) is slightly above the PL (0.7 mg/L). Review of the time series plots (Figures 4.7.1 and 4.7.2) shows that the reported concentrations at GWC-12 are not part of a significant trend and is within the range of sulfate concentrations observed across the site.

The reported SSI is the result of a slight increase in concentration that is not part of a trend. Sulfate concentrations at GWC-12 are less than 1.5 mg/L which is very low and near the range of those observed in precipitation and at face value is evidence that a CCR release has not occurred. Further, the primary CCR indicator boron has not been detected at this well since analysis was initiated in 2016. This indicates that a release of CCR materials has not caused the SSI observed at GWC-12. Based on data presented in the literature and in this ASD, the observed concentration of sulfate at GWC-12 is representative of naturally occurring sulfate within the the aquifer.

Based on these facts, the statistical exceedances of sulfate at GWC-12 is not the result of a release from the CCR unit and is the result of natural variability in groundwater chemistry not accomodated by the statistical background. GPC will continue to monitor the variability of chloride concentrations at these wells during future sampling events.

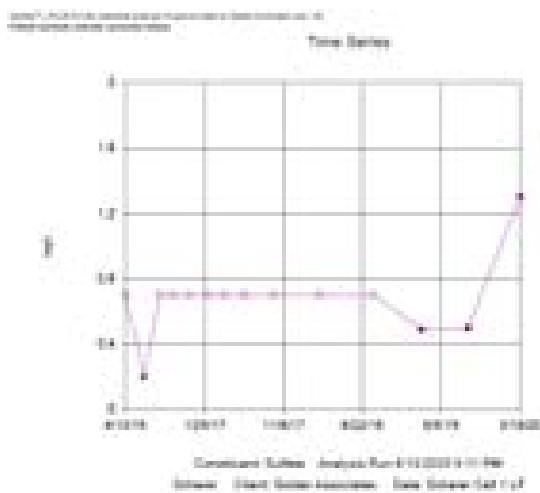


Figure 4.1.1: Sulfate GWC-12

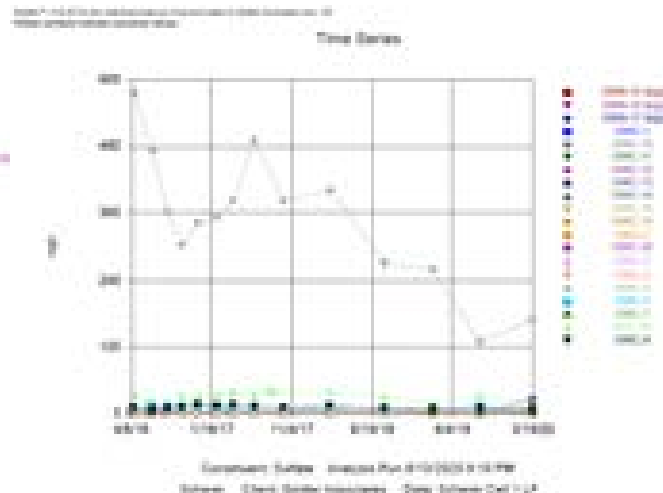


Figure 4.6.1: Sulfate Cell 1 Site-Wide

## 5.0 CONCLUSIONS

This ASD has been prepared in response to apparent statistical exceedances presented in the *2020 First Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell*, dated August 27, 2020. 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 March 2020 verification sampling event.

SSIs from the March 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 barium, calcium, chloride, chromium, cobalt, pH and sulfate are within the range of concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US ( USGS, 2013). 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, GPC will continue with detection groundwater monitoring at Cell 1 and PAC Ash Cell.

## 6.0 REFERENCES

Golder, 2018. *Geologic and Hydrogeologic Summary Report, Plant Scherer Ash Pond 1 Monroe County, Georgia*, Golder Associates Inc., November 2018.

Golder, 2019. *Alternate Source Demonstration, Georgia Power Plant Scherer AP-1*, Golder Associates Inc., January 2019.

Golder, 2019. *Alternate Source Demonstration, Second Semi-Annual 2018 Monitoring Event, Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI)*, Golder Associates Inc., April 2019.

Golder, 2019. *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 2019.

Golder, 2020. *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.

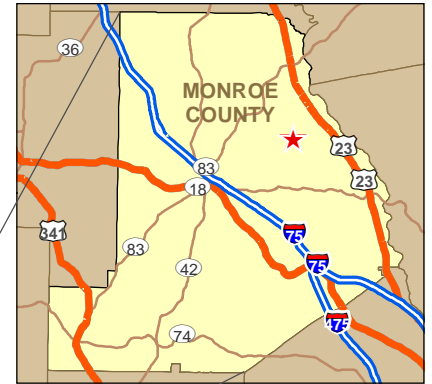
Golder, 2020. *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report*, Golder Associates Inc., January 2020.

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  
 PLANT SCHERER



PROJECT  
 2020 1ST SEMI-ANNUAL GROUNDWATER MONITORING  
 PLANT SCHERER

TITLE  
**SITE LOCATION MAP**

CONSULTANT



YYYY-MM-DD 2018-01-31

PREPARED DJC

DESIGN DLP

REVIEW *djp*

APPROVED *rpk*

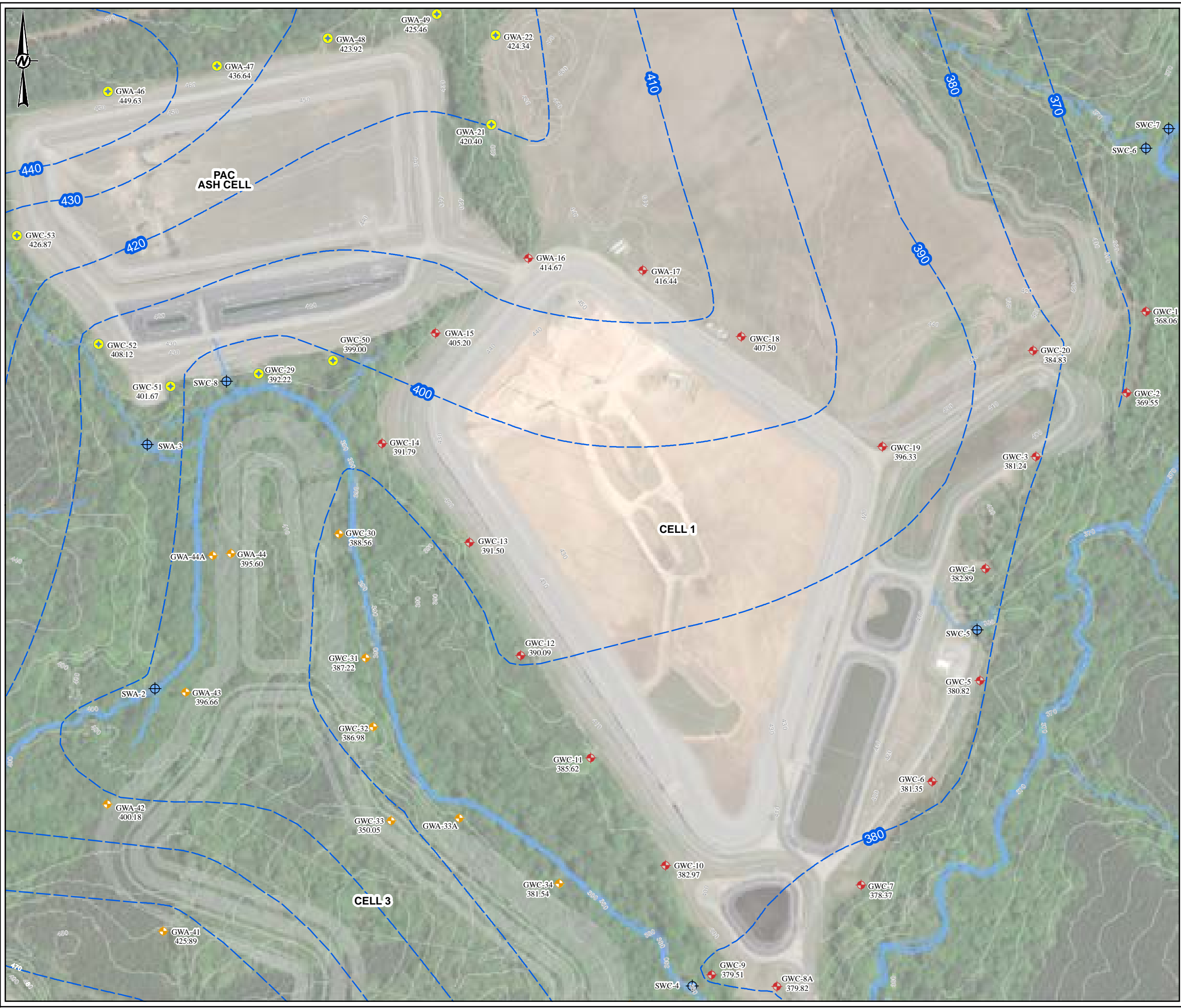
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**LEGEND**

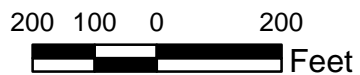
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- SURFACE WATER SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOUR (FAMSL)
- PROPERTY BOUNDARY

**NOTES**

1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MAY 6, 2020 BY GOLDER ASSOCIATES.
2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET ABOVE MEAN SEA LEVEL (FAMSL).
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  
**GROUNDWATER MONITORING PROGRAM  
 SEMI-ANNUAL COMPLIANCE EVENT**

TITLE  
**POTENTIOMETRIC SURFACE MAP - PAC ASH AND CELL 1  
 MAY 6, 2020**

CONSULTANT	YYYY-MM-DD	2020-08-18
	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

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# TABLES & FIGURES

**APPENDIX A**

**ANALYTICAL RESULTS, FIELD DATA FORMS, DATA  
VALIDATION SUMMARIES, & WELL INSPECTION  
FORMS**

**ANALYTICAL RESULTS**

**CELL 1**

**ANALYTICAL RESULTS**

# PAC ASH CELL

**ANALYTICAL RESULTS**  
**SURFACE WATER**

**ANALYTICAL RESULTS**

**EFFLUENT**

**APPENDIX A**

# FIELD DATA FORMS

**FIELD DATA FORMS**

**CELL 1**



**FIELD DATA FORMS**

# PAC ASH CELL

**APPENDIX A**

# DATA VALIDATION SUMMARIES

**APPENDIX B**

# CERTIFIED WELL SURVEY

**APPENDIX C**

# STATISTICAL ANALYSES REPORTS



STATISTICAL ANALYSES REPORTS MARCH 2020

CELL 1

STATISTICAL ANALYSES REPORTS SEPTEMBER 2020

CELL 1

STATISTICAL ANALYSES REPORTS MARCH 2020

# PAC ASH CELL

STATISTICAL ANALYSES REPORTS SEPTEMBER 2020

# PAC ASH CELL



**APPENDIX D**

# Alternate Source Demonstration



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