



**GOLDER**

**REPORT**

# 2020 Semi-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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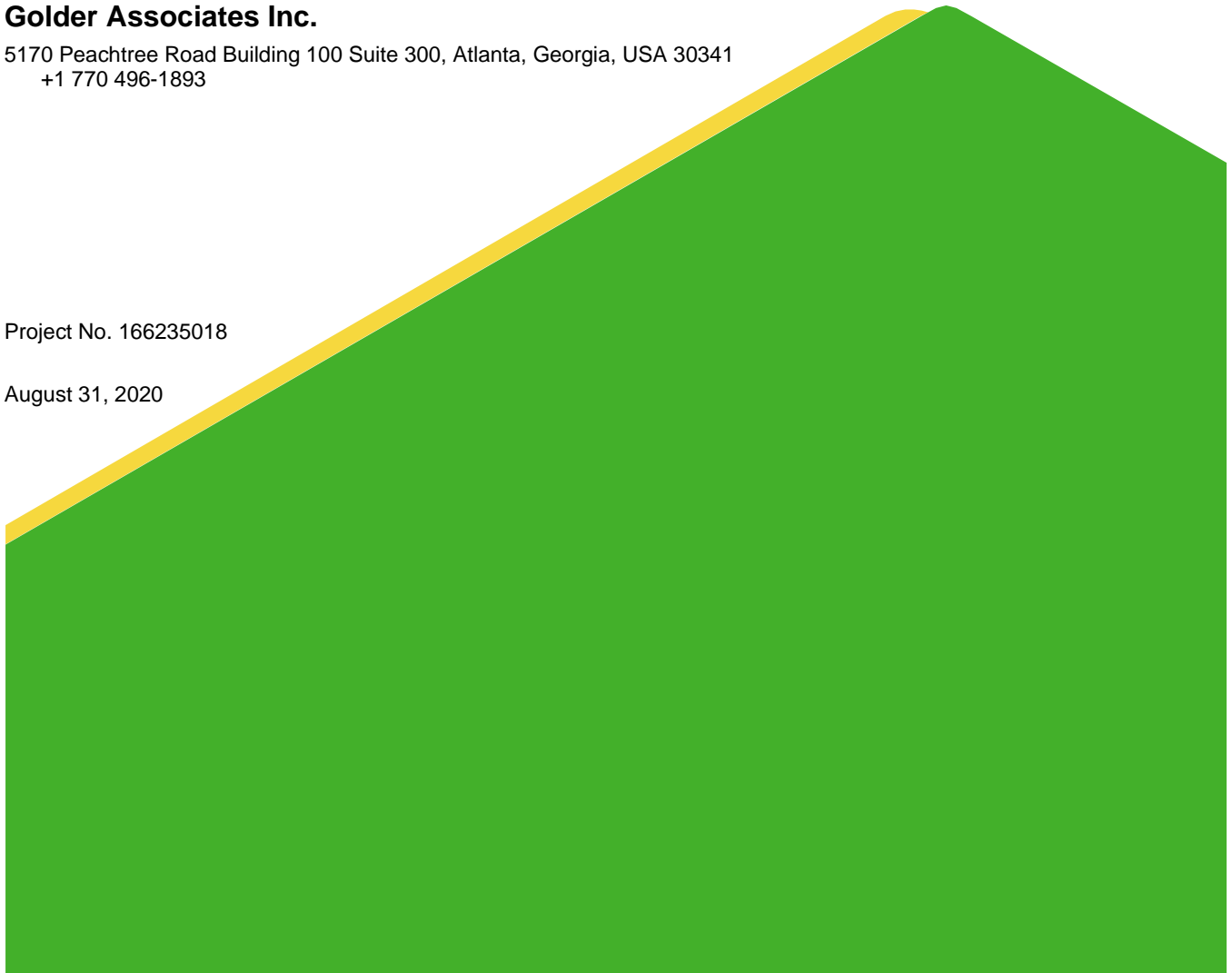
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# Table of Contents

<b>CERTIFICATION STATEMENT</b> .....	<b>iv</b>
<b>1.0 INTRODUCTION</b> .....	<b>1</b>
1.1 Site Description & Background .....	1
1.2 Regional & Site Geology & Hydrogeologic Setting .....	1
1.3 Groundwater Monitoring Well Network .....	2
1.4 Surface Water Monitoring .....	2
1.5 Effluent Monitoring .....	2
<b>2.0 GROUNDWATER MONITORING ACTIVITIES</b> .....	<b>2</b>
2.1 Monitoring Well Installation and Maintenance .....	3
2.2 Detection Monitoring .....	3
2.3 Background Monitoring .....	3
2.4 Alternate Source Demonstrations .....	3
<b>3.0 SAMPLE METHODOLOGY &amp; ANALYSIS</b> .....	<b>4</b>
3.1 Groundwater Level Measurement .....	4
3.2 Groundwater Gradient and Flow Velocity .....	4
3.3 Groundwater Sampling .....	5
3.4 Surface Water Sampling .....	5
3.5 Effluent Sampling .....	6
3.6 Laboratory Analyses .....	6
3.7 Quality Assurance and Quality Control .....	6
<b>4.0 STATISTICAL ANALYSES</b> .....	<b>6</b>
4.1 Statistical Methods .....	6
4.1.1 Cell 1 Statistical Methods .....	7
4.1.2 PAC Ash Cell Statistical Methods .....	8
4.2 Statistical Analysis Results .....	9
<b>5.0 ALTERNATE SOURCE DEMONSTRATION</b> .....	<b>11</b>
<b>6.0 MONITORING PROGRAM STATUS</b> .....	<b>11</b>
<b>7.0 CONCLUSIONS</b> .....	<b>11</b>
<b>8.0 REFERENCES</b> .....	<b>12</b>

## Table of Contents (continued)

### TABLES & FIGURES

Table 1:	Monitoring Well Network Summary
Table 2A:	Groundwater Sampling Event Summary – PAC Ash Cell
Table 2B:	Groundwater Sampling Event Summary – Cell 1
Table 3:	Summary of Groundwater Elevations
Table 4A:	Horizontal Groundwater Velocity Calculations - March 2020
Table 4B:	Horizontal Groundwater Velocity Calculations - May 2020
Table 5A:	Analytical Data Summary PAC Ash Cell - March 2020
Table 5B:	Analytical Data Summary Cell 1 - March 2020
Table 5C:	Surface Water Analytical Data Summary - March 2020
Figure 1:	Site Location Map
Figure 2:	Site Plan and Monitoring Well Location Map
Figure 3A:	PAC Ash Cell Potentiometric Surface Map – March 17, 2020
Figure 3B:	PAC Ash Cell Potentiometric Surface Map - May 6, 2020
Figure 4A:	Cell 1 Landfill Potentiometric Surface Map - March 17, 2020
Figure 4B:	Cell 1 Landfill Potentiometric Surface Map - May 6, 2020

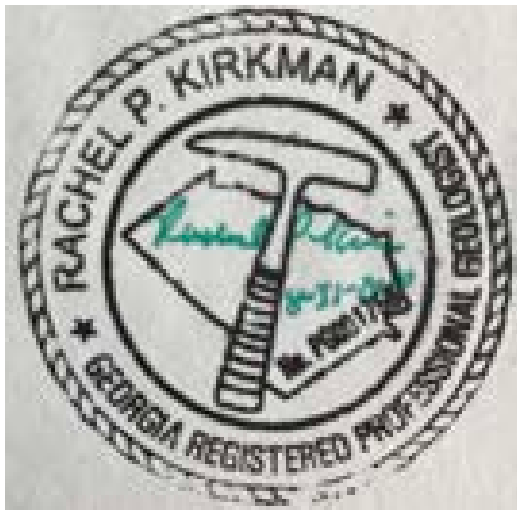
### APPENDICES

Appendix A:	Analytical Results, Field Data Forms, Data Validation Summaries & Well Inspection Forms
Appendix B:	Certified Well Survey
Appendix C:	Statistical Analyses Reports
Appendix D:	Alternate Source Demonstration

## Certification Statement

This 2020 Semi-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.



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8/31/2020

Date

dlp/rpk

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## 1.0 INTRODUCTION

This report has been prepared by Golder Associates Inc. (Golder) to present results of the semi-annual monitoring event conducted in March 2020 for Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash Cell. Semi-annual 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 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, 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.

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. Eight locations as shown on Figure 2 are sampled semi-annually to determine the surface water quality of the small tributaries traversing the site.

### 1.5 Effluent Monitoring

Effluent monitoring is performed semi-annually. A single effluent sample was collected on March 25, 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 semi-annual monitoring period in 2020. Golder collected groundwater, surface water and effluent samples for this event between March 18 and March 30, 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 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 incorporated into this report's applicable tables. A copy of the well survey data certified by a Georgia-licensed surveyor is 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 Georgia EPD Solid Waste Permit No. 102-009S(LI) and the site's 2010 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.

## 2.3 Background Monitoring

Background groundwater monitoring for the new Cell 3 landfill has commenced. Samples from sixteen (16) monitoring wells (GWA-38 through GWA-44, GWA-54 and GWC-30 through GWC-38) were collected for analysis of the permit-specified semi-annual monitoring parameters as well as Appendix III monitoring parameters per 40 CFR Parts 257 and 261 in March 2020. Data for the initial background sampling event for Cell 3 are provided in Appendix A.

## 2.4 Alternate Source Demonstrations

Based on results of the *2019 Annual Groundwater & Corrective Action Monitoring Report*, 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)*,

2019 Second Semi-Annual Monitoring Event, dated April 27, 2020 was prepared and placed in the operating record to address each of the identified SSIs.

### 3.0 SAMPLE METHODOLOGY & ANALYSIS

The March 2020 sampling event represents the semi-annual sampling event in 2020 for Cell 1 and PAC Ash Cell landfills at Plant Scherer. 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 17, 2020 prior to the start of semi-annual event. In addition, groundwater elevations were recorded on May 6, 2020 as part of a site-wide effort of water level measurements. 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 17, 2020, Figure 3B, PAC Ash Cell Potentiometric Surface Map – May 6, 2020, Figure 4A, Cell 1 Landfill Potentiometric Surface Map - March 17, 2020 and Figure 4B, Cell 1 Landfill Potentiometric Surface Map - May 6, 2020. Review of Figures 3A, 3B, 4A and 4B shows that groundwater generally flows south-southeast across the site and is consistent with historical observations.

#### 3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates at the site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon. Based on slug test data at the site, an average hydraulic conductivity value of 2.36 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 – May 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 4.

As presented on Table 4A and 4B, groundwater flow velocity at the site ranges from approximately 0.2 ft/day to 0.5 ft/day (approximately 77 to 178 ft/year in March 2020 and 78 to 179 ft/year in May 2020) 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 Georgia Piedmont and confirm the groundwater monitoring system 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. 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.

Where sample turbidity was greater than 5 NTU and all other stabilization criteria were met, samplers continued purging for up to 3 additional hours in order to reduce the turbidity to 5 NTU or less. When turbidity remained above 5 NTU but was less than 10 NTU, and all other parameters are stabilized, the well was sampled. Where turbidity remained above 10 NTU, an unfiltered sample was collected followed by a filtered sample that has passed through an in-line 0.45-micron filter attached to the discharge (sample collection) tube. The unfiltered sample data are used for compliance monitoring and in the statistical analysis database. Filtered sample data are used to assess the impacts of turbidity on groundwater quality. Details regarding additional filtered samples is recorded on the field information form.

Results for each well are summarized and compared to applicable standards on Table 5A, Analytical Data Summary Cell 1 - March 2020 and Table 5B, Analytical Data Summary PAC Ash Cell - March 2020. Review of Tables 5A and 5B shows no exceedances of the established primary

### 3.4 Surface Water Sampling

Samples from surface water sampling locations SWA-1 through SWA-3 and SWC-4 through SWC-8 were analyzed for target parameters, as indicated in the 2010 D&O Plan. The results of the most recent surface water sampling are provided in Table 5C, Surface Water Analytical Data Summary - March 2020. As specified in the August 2017 permit modification, surface waters were also analyzed for Appendix III parameters.

Review of Table 5C 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 this sampling event, 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 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 10 samples. Equipment blanks (collected where non-dedicated sampling equipment is used), field blanks, and duplicate samples were also collected during each sampling event. QA/QC sample data were evaluated during data validation and are included in Appendix A.

Groundwater quality data in this report were independently validated in accordance with US EPA Region IV Data Validation Standard Operating Procedures (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. Analytical data for groundwater samples is presented in Table 5A and Table 5B.

## 4.0 STATISTICAL ANALYSES

Statistical analysis of groundwater monitoring data was performed following the appropriate certified statistical methodology. 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 March 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. 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**

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-8/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, 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).  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.
	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.

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

		<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>
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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. Table 4.1.2, Statistical Method Summary, provides a summary of the statistical methodology used at PAC Ash Cell for 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, 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



TABLE 4.1.2 STATISTICAL METHOD SUMMARY - PLANT SCHERER PAC ASH CELL		
	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. 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	<b>Verified</b>	--
	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>

Well	Parameter	Concentration (March 2020) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
	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	<b>Verified</b>	--
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>
	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. A verified statistical exceedance of chromium was identified at monitoring well GWC-52.

## 5.0 ALTERNATE SOURCE DEMONSTRATION

Pursuant to 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 an alternate source demonstration (ASD) has been prepared to address the SSIs noted above. A copy of the ASD is included as Appendix D, Alternate Source Demonstration.

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 also applicable to many of the initial statistical exceedances. Resampling for each of the initial apparent statistical exceedances will be completed during the next scheduled sampling event (tentative September 2020).

The 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.

## 6.0 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 (Ca, SO<sub>4</sub>, TDS), and select Appendix I metals (Ba, Cr, and V) are identified following the March 2020 sampling event. 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 as noted in Table 4.2.1. As such, Cell 1 and PAC Ash Cell will remain in detection monitoring.

## 7.0 CONCLUSIONS

This 2020 *Semi-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 and March 30, 2020. The groundwater flow direction and rates observed this event are consistent with historical evaluations.

Review of analytical results and statistical analyses developed for the site indicate that many of the statistical exceedances identified during the semi-annual 2020 event can be addressed by the previously submitted ASDs. An ASD for each of the initial and newly verified SSIs is attached. Each of the SSIs noted is attributed to either natural variability in groundwater chemistry or a source other than the landfill units. The monitoring well network continues to effectively monitor the water bearing unit beneath the lined landfill units - Cell 1 and PAC Ash Cell equipped with leachate collection and removal system in place.

Based on the findings presented herein, Plant Scherer will continue with detection groundwater monitoring and reporting. The next scheduled sampling event is scheduled for September 2020.

## 8.0 REFERENCES

- Georgia Environmental Protection Division, 1997, Criteria for Performing Site Acceptability Studies for Solid Waste Landfills in Georgia – Circular 14.
- Georgia (GA) Department of Natural Resources Environmental Protection Division (EPD) Chapter 391-3-4 Solid Waste Management; 2010 Solid Waste Permit 102-009D(LI).
- Heath, R.C., 1982, Basic Ground-Water Hydrology. Water Supply Paper 2220. U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado.
- Sanitas: Groundwater Statistical Software (2014), Sanitas Technologies, Shawnee, KS, 2007.
- Southern Company Generation Engineering and Construction Services, 2010. Groundwater Monitoring Plan Narrative of the Design & Operations (D&O) Plan for Plant Scherer Coal Combustion By-Product CCB Disposal Facility, February 26.
- Southern Company Services, 2007. Plant Scherer Proposed Coal Combustion By-Products Storage Facility Site Acceptability Report.
- State Waste Management Board. 2016. State Solid Waste Management Regulations – (9VAC20 81 et seq.). January.
- USEPA, 1996 Soil Guidance Manual
- USEPA, 2009, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities Unified Guidance, EPA 530-R-09-007.
- USEPA, 2011, Data Validation Standard Operating Procedures. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

## TABLES & FIGURES

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

Well ID	Hydraulic Location	Latitude	Longitude	Top of Casing Elevation (feet msl)	Ground Surface Elevation (feet msl)	Total Depth (feet bgs)	Top of Screen Elevation (feet msl)	Bottom of Screen Elevation (feet msl)	Screen Length (feet)
<b>GYMPSUM CELL 1</b>									
GWC-1	Downgradient	33.07878	-83.79131	374.75	371.54	36.0	346.9	336.9	10.0
GWC-2	Downgradient	33.07806	-83.79152	380.03	376.91	55.1	332.1	322.1	10.0
GWC-3	Downgradient	33.07751	-83.79247	410.22	407.19	46.7	370.8	360.8	10.0
GWC-4	Downgradient	33.07653	-83.79300	411.57	408.31	40.0	378.6	368.6	10.0
GWC-5	Downgradient	33.07554	-83.79305	396.50	393.18	34.1	372.8	362.8	10.0
GWC-6	Downgradient	33.07466	-83.79356	415.70	412.36	45.2	377.5	367.5	10.0
GWC-7	Downgradient	33.07375	-83.79430	418.07	414.29	54.9	369.7	359.7	10.0
GWC-8A	Downgradient	33.07286	-83.79519	401.47	398.20	45.0	364.9	354.9	10.0
GWC-9	Downgradient	33.07296	-83.79587	386.01	383.02	17.1	376.2	366.2	10.0
GWC-10	Downgradient	33.07393	-83.79635	392.68	389.30	31.7	367.9	357.9	10.0
GWC-11	Downgradient	33.07487	-83.79713	402.19	399.06	31.3	378.1	368.1	10.0
GWC-12	Downgradient	33.07578	-83.79786	412.75	409.51	34.5	385.3	375.3	10.0
GWC-13	Downgradient	33.07677	-83.79839	419.58	416.54	40.3	386.6	376.6	10.0
GWC-14	Downgradient	33.07764	-83.79930	403.41	400.25	24.4	386.2	376.2	10.0
GWA-15	Upgradient	33.07862	-83.79873	414.82	411.82	26.5	395.6	385.6	10.0
GWA-16	Upgradient	33.07927	-83.79776	444.06	440.74	54.5	396.5	386.5	10.0
GWA-17	Upgradient	33.07916	-83.79656	445.63	442.72	43.9	409.2	399.2	10.0
GWC-18	Downgradient	33.07858	-83.79554	439.64	436.36	57.1	389.6	379.6	10.0
GWC-19	Downgradient	33.07760	-83.79407	429.98	426.12	54.1	382.3	372.3	10.0
GWC-20	Downgradient	33.07844	-83.79249	426.09	422.82	69.4	363.7	353.7	10.0
<b>PAC ASH CELL</b>									
GWA-21	Upgradient	33.08045	-83.79814	422.30	419.56	17.96	411.9	401.9	10.0
GWA-22	Upgradient	33.08123	-83.79810	444.23	441.75	40.02	412.0	402.0	10.0
GWA-45	Upgradient	33.08044	-83.80327	450.89	447.98	32.59	425.7	415.7	10.0
GWA-46	Upgradient	33.08075	-83.80214	460.86	458.10	44.24	424.2	414.2	10.0
GWA-47	Upgradient	33.08097	-83.80100	465.55	462.81	51.46	421.7	411.7	10.0
GWA-48	Upgradient	33.08121	-83.79984	461.47	458.73	61.41	407.6	397.6	10.0
GWA-49	Upgradient	33.08142	-83.79870	432.61	429.96	37.35	401.9	391.9	10.0
GWC-29	Downgradient	33.07825	-83.80058	399.39	396.69	24.4	382.6	372.6	10.0
GWC-50	Downgradient	33.07837	-83.79980	406.92	404.18	33.76	380.7	370.7	10.0
GWC-51	Downgradient	33.07815	-83.80149	409.89	406.88	23.79	393.4	383.4	10.0
GWC-52	Downgradient	33.07852	-83.80225	416.89	414.14	30.15	394.3	384.3	10.0
GWC-53	Downgradient	33.07948	-83.80310	435.57	432.93	30.36	412.9	402.9	10.0

**Notes:**

1. feet msl = feet mean sea level
2. feet bgs = feet below ground surface

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

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

Well ID	Hydraulic Location	Summary of Sampling Event	Status of Monitoring Well
		March 2020	
Purpose of Sampling Event		Detection	
<b>PAC ASH CELL</b>			
GWA-21	Upgradient	D06	Detection
GWA-22	Upgradient	D06	Detection
GWA-45	Upgradient	D06	Detection
GWA-46	Upgradient	D06	Detection
GWA-47	Upgradient	D06	Detection
GWA-48	Upgradient	D06	Detection
GWA-49	Upgradient	D06	Detection
GWC-29	Downgradient	D06	Detection
GWC-50	Downgradient	D06	Detection
GWC-51	Downgradient	D06	Detection
GWC-52	Downgradient	D06	Detection
GWC-53	Downgradient	D06	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 ELEVATIONS (FEET MSL)	
		3/17/2020	5/6/2020
<b>CELL 1</b>			
GWC-1	374.95	368.22	368.06
GWC-2	380.219	369.63	369.55
GWC-3	410.435	380.30	381.24
GWC-4	411.745	382.64	382.89
GWC-5	396.69	380.80	380.82
GWC-6	415.80	378.18	381.35
GWC-7	418.272	377.55	378.37
GWC-8A	401.62	380.12	379.82
GWC-9	386.178	379.53	379.51
GWC-10	392.872	383.10	382.97
GWC-11	402.329	385.85	385.62
GWC-12	412.887	390.36	390.09
GWC-13	419.77	391.63	391.50
GWC-14	403.596	391.92	391.79
GWA-15	415.009	405.17	405.20
GWA-16	444.241	414.25	414.67
GWA-17	445.84	415.26	416.44
GWC-18	439.656	406.78	407.50
GWC-19	430.195	396.26	396.33
GWC-20	426.303	384.68	384.83

**Notes:**

Feet MSL = feet above mean sea level

NM = Not Measured

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

Well ID	Top of Casing Elevation (certified 7/17/2020)	GROUNDWATER ELEVATIONS (FEET MSL)	
		3/17/2020	5/6/2020
<b>PAC ASH CELL</b>			
GWA-21	422.58	420.32	420.40
GWA-22	444.498	424.24	424.34
GWA-45	451.084	445.48	445.64
GWA-46	461.127	449.18	449.63
GWA-47	465.769	435.40	436.64
GWA-48	461.733	422.36	423.92
GWA-49	432.881	396.43	425.46
GWC-29	399.642	392.26	392.22
GWC-50	407.16	398.75	399.00
GWC-51	410.146	401.59	401.67
GWC-52	417.131	407.88	408.12
GWC-53	435.829	426.57	426.87

**Notes:**

Feet MSL = feet above mean sea level

NM = Not Measured

**TABLE 4A**  
**GROUNDWATER VELOCITY CALCULATIONS - March 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	415.26	37.71	2110	0.018	2.36	0.2	0.2	77
	377.55							
GWC-19/GWC-3	396.26	15.96	500	0.0319	2.36	0.2	0.4	137
	380.30							
<b>PAC Ash:</b>								
GWA-45/GWC-51	445.48	43.89	1062	0.041	2.36	0.2	0.5	178
	401.59							
GWA-47/GWC-50	435.40	36.65	1020	0.036	2.36	0.2	0.4	155
	398.75							

**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**  
**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 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	GWC-8A	GWC-9
	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	3/18/2020	3/18/2020
<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	0.16	0.058 J
CALCIUM, TOTAL	mg/L	3.8	12	7.3	19	18	5.9	14	61	15	15	53	16
CHLORIDE, TOTAL	mg/L	5.4	1.7	2.0	4.2	2.4	2.8	8.7	30	4.0	2.1	8.5	3.4
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	0.073 J	0.096 J
pH	S.U.	5.42	6.29	6.03	6.53	6.41	5.90	6.32	5.81	6.19	6.41	6.42	6.61
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	16	6.9
TOTAL DISSOLVED SOLIDS	mg/L	43	93	75	130	140	72	130	430	140	98	300	130
<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	0.00042 J	< 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	0.043	0.013
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	< 0.0015	0.0044	0.0083	0.014	0.011	0.0049	0.0045	0.0052	0.0046	0.011	< 0.0015	0.0066
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	0.0027	< 0.00013
COPPER, TOTAL	mg/L	< 0.00063	< 0.00063	< 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	< 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	< 0.0001	< 0.0001
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	0.0044	< 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	< 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	0.00049 J	0.00025 J	< 0.00015	0.00036 J	< 0.00015	< 0.00015	< 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	0.0140	0.0031	0.012
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	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter
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).

**TABLE 5A**  
**ANALYTICAL DATA SUMMARY CELL 1 (March 2020)**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**



Analyte	Units	GROUNDWATER MONITORING WELLS							
		GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18	GWC-19	GWC-20
	Sample Date:	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/18/2020	3/19/2020	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	< 0.039
CALCIUM, TOTAL	mg/L	20	14	1.6	9.3	6.9	11	14	14
CHLORIDE, TOTAL	mg/L	4.1	1.9	2.1	1.6	3.0	2.7	2.2	2.2
FLUORIDE, TOTAL	mg/L	0.088 J	0.064 J	0.046 J	0.055 J	0.068 J	< 0.026	< 0.026	< 0.026
pH	S.U.	6.34	6.17	5.19	5.81	5.61	6.32	6.27	6.47
SULFATE, TOTAL	mg/L	2.4	< 0.38	1.3	25	< 0.38	0.62 J	0.64 J	0.71 J
TOTAL DISSOLVED SOLIDS	mg/L	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
ARSENIC, TOTAL	mg/L	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.036	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
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	0.02	0.0086	0.0016 J	0.008	< 0.0015	0.014	0.012	0.0094
COBALT, TOTAL	mg/L	< 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
LEAD, TOTAL	mg/L	< 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
NICKEL, TOTAL	mg/L	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
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.013	0.011	< 0.00099	0.001	< 0.00099	0.0075	0.008	0.019
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.005	0.0052	< 0.0032	< 0.0032	< 0.0032	< 0.0032

**NOTES:**

1. mg/L - Milligrams per Liter
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).

**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	0.0190	0.0200	0.0044	0.0027	0.0046	0.0100	< 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. 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).

**TABLE 5C**  
**SURFACE WATER ANALYTICAL DATA SUMMARY (March 2020)**  
**GPC PLANT SCHERER**  
**JULIETTE, GEORGIA**

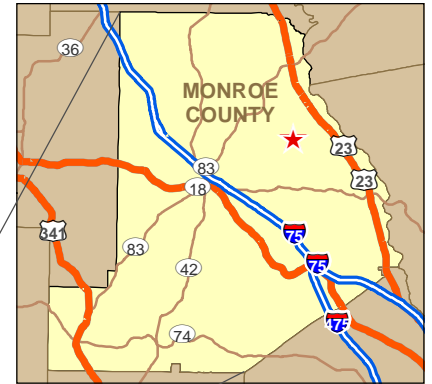


Analyte	Units	SURFACE WATER SAMPLING LOCATIONS							
		SWA-1	SWA-2	SWA-3	SWC-4	SWC-5	SWC-6	SWC-7	SWC-8
Sample Date:		3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020
<b>FIELD MONITORING PARAMETERS</b>									
pH	SU	7.98	6.80	6.96	7.24	7.23	7.38	7.41	6.77
ORP	mV	130.0	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
BARIUM, 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	0.004	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. PQL = Practical Quantitation Limit; MDL - Method Detection Limit.
3. 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).
4. N/S - Not sampled. Locations SWA-4, SWA-5, SWA-6, and SWC-8 are not sampled for COD, Cyanide, and TOC per the D&O Plan; or no samples collected because location was dry at the time of sampling.





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*

PROJECT No.  
 1662350

CONTROL  
 1662350\000-GIS.mxd

Rev.  
 0

FIGURE  
 1

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



**LEGEND**

- EXISTING TOPOGRAPHY
- PROPERTY BOUNDARY
- 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: ESRI, HERE, GARMIN, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY  
SOURCE: ESRI, DIGITALGLOBE, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AERGRID, 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

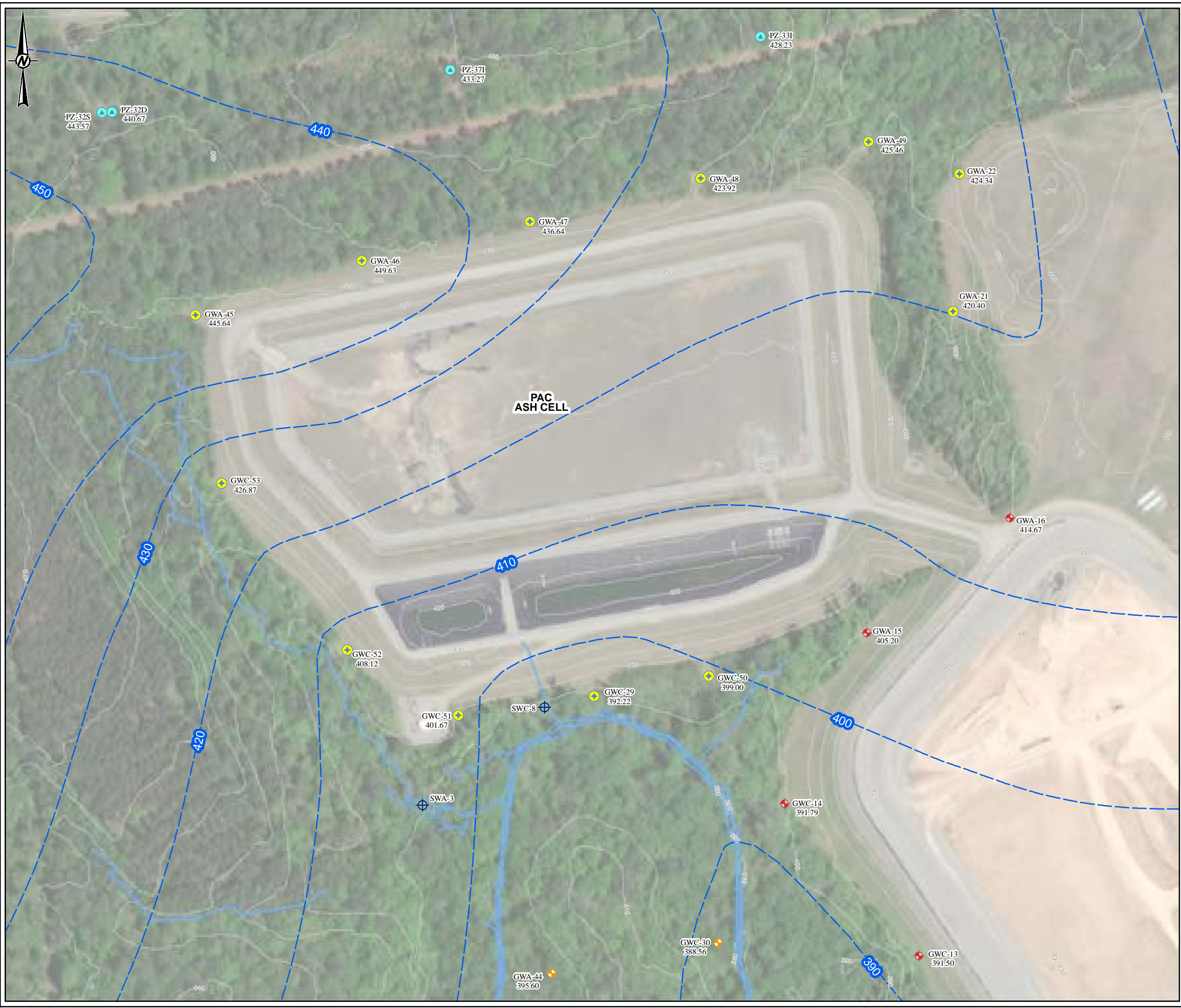
PROJECT No. 1662350 CONTROL 1662350A001-GIS.mxd Rev. 0 FIGURE 2

Path: H:\1662350-PlantSch\GIS\Map\1662350A001-GIS.mxd

Service Layer Credits: Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community  
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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





**LEGEND**

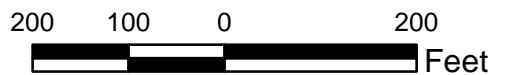
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- PIEZOMETER
- SURFACE WATER SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOUR (FAMSL)
- PROPERTY BOUNDARY

**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**  
 MAY 6, 2020

CONSULTANT	YYYY-MM-DD	2020-05-19
 <b>GOLDER</b>	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

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



**LEGEND**

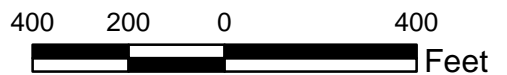
- ◆ CELL 1 LANDFILL MONITORING WELL
- ◆ PAC ASH LANDFILL MONITORING WELL
- ◆ CELL 3 MONITORING WELL
- ⊕ SURFACE WATER SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOUR (FAMSL)
- PROPERTY BOUNDARY

**NOTES**

- GROUNDWATER ELEVATION MEASUREMENTS OBTAINED MAY 6, 2020 BY GOLDER ASSOCIATES.
- GROUNDWATER ELEVATIONS DISPLAYED IN FEET ABOVE MEAN SEA LEVEL (FAMSL).
- DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

**REFERENCE**

- COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
- 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 - CELL 1**  
 MAY 6, 2020

CONSULTANT	YYYY-MM-DD	2020-05-19
<b>GOLDER</b>	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

Rpk: C:\TEMP\CAD FILES\MAY 11\2020\201394884-Plant Scherer\gis\201394884D005-GIS.mxd

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

**APPENDIX A**

**1st SEMI-ANNUAL 2020  
ANALYTICAL RESULTS, FIELD DATA FORMS &  
DATA VALIDATION SUMMARIES**

**ANALYTICAL RESULTS**

**CELL 1**

## 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

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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

1

2

3

4

5

6

7

8

9

10

11

12

13

# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	19
QC Sample Results . . . . .	40
QC Association Summary . . . . .	50
Chain of Custody . . . . .	56
Receipt Checklists . . . . .	63





# 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

Eurofins TestAmerica, Pittsburgh



# 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

Eurofins TestAmerica, Pittsburgh

# 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**

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

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

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

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: 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)**

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

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

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

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			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)**

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

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

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

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			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

# Lab Chronicle

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

Job ID: 180-103812-1

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

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

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

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

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: 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**

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

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

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

**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			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**

**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	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

Eurofins TestAmerica, Pittsburgh

# 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	0.0039	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

Eurofins TestAmerica, Pittsburgh

# 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

Eurofins TestAmerica, Pittsburgh

# 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

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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-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
<b>Chloride</b>	<b>2.7</b>		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
<b>Sulfate</b>	<b>0.62</b>	<b>J</b>	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
<b>Barium</b>	<b>0.036</b>		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
<b>Calcium</b>	<b>11</b>		0.50	0.13	mg/L		03/25/20 15:28	04/11/20 18:31	1
<b>Chromium</b>	<b>0.014</b>		0.0020	0.0015	mg/L		03/25/20 15:28	04/11/20 18:31	1
<b>Cobalt</b>	<b>0.00018</b>	<b>J B</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
<b>Nickel</b>	<b>0.00034</b>	<b>J</b>	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
<b>Vanadium</b>	<b>0.0075</b>		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
<b>Total Dissolved Solids</b>	<b>92</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>6.32</b>				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
<b>Chloride</b>	<b>8.3</b>		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
<b>Sulfate</b>	<b>16</b>		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
<b>Arsenic</b>	<b>0.00040</b>	<b>J</b>	0.0010	0.00031	mg/L		03/25/20 15:28	04/11/20 18:35	1
<b>Barium</b>	<b>0.042</b>		0.010	0.0016	mg/L		03/25/20 15:28	04/11/20 18:35	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: 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 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)**

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

Date Collected: 03/18/20 13:55

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	<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

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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-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

Eurofins TestAmerica, Pittsburgh



# 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

Eurofins TestAmerica, Pittsburgh

# 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

Eurofins TestAmerica, Pittsburgh

# 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	0.42	J	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	0.56	J	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)**  
Date Collected: 03/19/20 10:00  
Date Received: 03/21/20 09:00

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

**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



# 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

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# 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

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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: 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	

Eurofins TestAmerica, Pittsburgh

# 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	

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# 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

800-368-5100  
 800-368-5100

**Chain of Custody Record**

**TestAmerica**  
 800-368-5100  
 TestAmerica Laboratories, Inc.

Regulatory Program:  SW  WQS  WQS  Other  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: Dawn Pfeil  
 Tel/Fax: 344-934-4448  
 Lab Contact: Verselisa Borok  
 Date: 3/19/20  
 Carrier:   
 COC No: 1 of 2 COCs

Analysis Turnaround Time:  
 Out-of-lab  In-lab (not)  
 Test if different from below:  All  None  
 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	3/19/20	11:16	G Water	2	X	pH = 8.33
GWC-2	3/19/20	11:32	G Water	2	X	pH = 8.41
GWC-3	3/19/20	10:06	G Water	2	X	pH = 8.90
GWC-4	3/19/20	12:06	G Water	2	X	pH = 8.81
GWC-5	3/19/20	13:49	G Water	2	X	pH = 8.19
GWC-6A	3/19/20	08:43	G Water	2	X	pH = 8.42
GWC-9	3/19/20	09:31	G Water	2	X	pH = 8.81
GWC-10	3/19/20	11:06	G Water	2	X	pH = 8.34
GWC-11	3/19/20	14:00	G Water	2	X	pH = 8.17
GWC-12	3/19/20	09:50	G Water	2	X	pH = 8.19
GWC-13	3/19/20	15:00	G Water	2	X	pH = 8.81
GWC-14	3/19/20	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:  
 None  Special  Unknown

Chain of Custody Seal No.:  
 Acquired by: **Jojo Abraham**  
 Date: **3/19/20**  
 Approved by: **Jojo Abraham**  
 Company: **Southern Company**

Customer Seal No.:  
 Acquired by: **Jojo Abraham**  
 Date: **3/19/20**  
 Approved by: **Jojo Abraham**  
 Company: **Southern Company**

Carrier: **COOK**  
 Date: **3/19/20**  
 Time: **8:15**  
 Signature: **[Signature]**  
 Company: **COOK**

Form No. CA-COC-002, Rev. 4.20, dated 2/28/2019  
 9:00





Regulatory Program:  Air  Lead  PCBs  SO<sub>2</sub>  Other

Client Contact		Project Manager: Dawn Freil Tel/Fax: 748-538-8448		Site Contact: Chris Tubwell Lab Contact: Veronica Borlot		Date: 2/19/2020 Counter:		COC No: 3 of 3 COCs	
Southern Company 341 Ralph McGill Blvd SE Atlanta, GA 30338		Analysis Turnaround Time <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Per Lab User Only: Analyze Client: Lab Sampling:		Sample Specific Notes			
Project Name: COR Plant Scheme Cell 1 State: Georgia P O B 1501884		Sample Date		Sample Time		Sample Type (e.g., water, soil)		# of Matrix Containers	
Sample Identification		Date		Time		Type		# of Containers	
GWA-01	3/18/2020	09:05	G	Water	2	X	X	4	1
GWA-01	3/18/2020	09:05	G	Water	2	X	X	4	1
GWA-07	3/18/2020	09:05	G	Water	2	X	X	4	1
GWA-01	3/18/2020	09:05	G	Water	2	X	X	4	1
FD-1(LP)	3/18/2020	-	G	Water	2	X	X	4	1
FB-1(LP)	3/18/2020	13:05	G	Water	2	X	X	4	1
FB-1(LP)	3/18/2020	-	G	Water	2	X	X	4	1
Preservation Used: <input type="checkbox"/> Ice, <input type="checkbox"/> HCl, <input type="checkbox"/> HNO <sub>3</sub> , <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> , <input type="checkbox"/> H <sub>2</sub> O <sub>2</sub> , <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> , <input type="checkbox"/> H <sub>2</sub> O <sub>2</sub> , <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. <input type="checkbox"/> Soil <input type="checkbox"/> Sludge <input type="checkbox"/> Slurry <input type="checkbox"/> Other _____ Essential Instructions/OC Requirements & Comments:									
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooling Temp. (°C):		Cooling Temp. (°F):		Therm ID No.:	
Retained by: Chris Tubwell		Company: Southern		Retained by: Kristine Cook		Company: Carrier Now		Date: 3/19/2020	
Retained by: Kristine Cook		Company: Carrier Now		Retained by: Kristine Cook		Company: Carrier Now		Date: 3/19/2020	
Retained by: Kristine Cook		Company: Carrier Now		Retained by: Kristine Cook		Company: Carrier Now		Date: 3/19/2020	



# Chain of Custody Record

Regulatory Program:  Air  SWD  ICA  Other

Client Contact: **ATL**  
 Project Manager: **Green Pevl**  
 Tel/Fax: **248-638-5448**  
 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  Destroy in 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: **Veronica Borcia** Date Time: **3/18/20 10:00**



Environment In  
TestAmerica

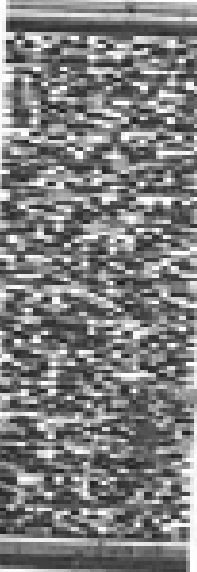
16

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

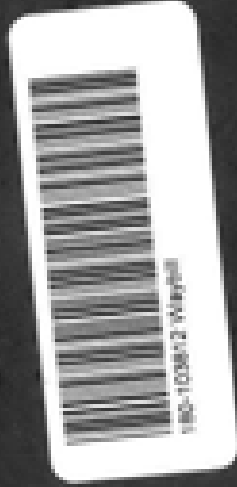
2 of 3  
1516 9323 2064  
1516 9323 2003

NA AGCA

15238  
PA-US  
PIT

Unconnected Temp  
Thermometer ID

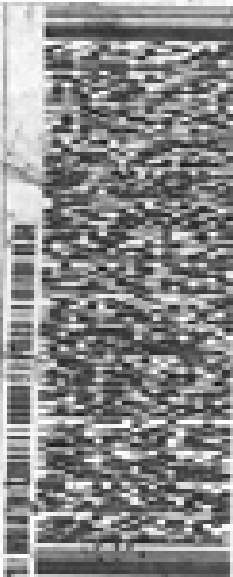
CF    Initials   



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

ORIGIN: BULLTER (LTD) 988-8888  
SHIP TO: 1516 9323 2053  
BILL TO: 1516 9323 2053  
SHIP TO: 1516 9323 2053  
BILL TO: 1516 9323 2053  
UNITED STATES OF AMERICA

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



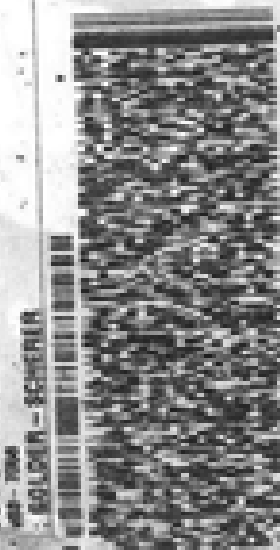
1 of 3  
FRI - 20 MAR 3:00P  
STANDARD OVERNIGHT

1516 9323 2053  
MASTER #

NA AGCA  
Unrecorded temp  
Thermometer ID  
CF Q Initials JS

ORIGIN: BULLTER (LTD) 988-8888  
SHIP TO: 1516 9323 2053  
BILL TO: 1516 9323 2053  
SHIP TO: 1516 9323 2053  
BILL TO: 1516 9323 2053  
UNITED STATES OF AMERICA

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



3 of 3  
FRI - 20 MAR 3:00P  
STANDARD OVERNIGHT

1516 9323 2053  
MASTER #

NA AGCA  
Unrecorded temp  
Thermometer ID  
CF Q Initials JS

A  
15:00  
2017-03-20

1  
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12  
13

**Chain of Custody Record**



**Client Information (Sub-Contract Lab)**

Company: TestAmerica Laboratories, Inc.  
 Address: 8191 Shuffel Street MSB, ...  
 City: South Canon  
 State: PA  
 ZIP: 44720  
 Phone: 330-497-0090 (Ext) 330-497-5173 (Fax)  
 Email: ...

**Sample Information - Client ID (Lab ID)**

Sample ID	Sample Date	Sample Time	Sample Type (PC, G, G-Grab)	Water's Source (F, W, G, S)	Preservation Code
P2-402(167) (165-164199-1)	4/1/20	15:14	Water	Water	
P2-402(137) (165-164199-2)	4/1/20	Evening (1/3)	Water	Water	

**Analysis Requested**

PC, G, G-Grab	PC, G, G-Grab	PC, G, G-Grab	PC, G, G-Grab

**Preservation Codes:**

- M - Metals
- N - Nitro
- O - Other
- P - PCBs
- Q - N/A/500
- R - N/A/1000
- S - N/A/100
- T - TSP (Resuspended)
- U - Unknown
- V - Volatiles
- W - Water
- X - PCBs
- Y - Other (Specify)
- Z - Other (Specify)

**Sample Disposal** / A fee may be assessed if samples are retained longer than 1 month.

Return to Client  / Destroyed By Lab  / Archived For \_\_\_\_\_ Months

**Primary Deliverable Mark: 2**

**Client Information**

Received By: [Signature] Date: 4/2/20 12:00 PM  
 Received By: [Signature] Date: 4/2/20 9:40 AM  
 Received By: [Signature] Date: [ ]

**Custody Seal Intact:** J. Van A. No

Year: 03/16-2017



**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

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 \_\_\_\_\_

**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 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: 180-103812-1

**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 RESULTS**

# PAC ASH CELL



## 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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	16
QC Sample Results . . . . .	30
QC Association Summary . . . . .	41
Chain of Custody . . . . .	46
Receipt Checklists . . . . .	49

# 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

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

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 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

Date Collected: 03/19/20 14:15

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103893-5

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			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

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	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										

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

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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
Total Dissolved Solids	100		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	5.81				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	2.2		1.0	0.32	mg/L			04/09/20 12:55	1
Fluoride	0.054	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	0.024		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	9.7		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:48	1
Chromium	0.011		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	0.0052		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
Total Dissolved Solids	65		10	10	mg/L			03/24/20 12:12	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-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)

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

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-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

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 180-312383/19**  
**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 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

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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. Limits**

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. Limits**

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. RPD Limit**

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. Limits**

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**  
**RPD Limit**

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**  
**RPD Limit**

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	

Client Contact: **Jojo Abraham**  
Southern Company  
241 North McGill Blvd SE, B10185  
Atlanta, GA 30308  
Project Name: CCR - Plant Scheme PAC Ash Cell  
Site: Georgia  
P.O.# 18019884

Regulatory Program:  air  water  soil  other  
Project Manager: Dawn Proff  
Tel/Fax: 248-458-8448

Analysis Turnaround Time  
 1 business day  2 business days  
SAT returned from below: \_\_\_-\_\_\_ days

2 weeks  
 1 week  
 3 days  
 1 day

Sample Type:  Solid  Liquid  Gas  Other

Sample Date: 3/25/2020 10:44 0 Water 2  
3/25/2020 08:45 0 Water 2

Sample Identification: CHS-47  
FB-2(PA)

Site Contact: Chris Tidwell  
Lab Contact: Veronica Borst

Date: 3/26/20  
Carrier:

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sampler: \_\_\_\_\_  
For Lab Use Only:  
Initials: \_\_\_\_\_  
Lab Sampling: \_\_\_\_\_  
Job / SOG No.: \_\_\_\_\_

Sample Specifics Notes: pH= 8.25

Barcode: 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  Special  Bio  Other

Special Instructions/OC Requirements & Comments:

Custody Seal Intact:  Yes  No

Received by: *Chris Tidwell*  
Required by: *Jojo Abraham*  
Requested by: \_\_\_\_\_

Company: *3-20-20*  
Company: *3-20-20*  
Company: \_\_\_\_\_

Date/Time: *3/25/20 11:50*  
Date/Time: *3/25/20 11:47*  
Date/Time: \_\_\_\_\_

Received by: *Michelle Watson*  
Requested by: \_\_\_\_\_  
Requested by: \_\_\_\_\_

Company: *3-20-20*  
Company: *3-20-20*  
Company: \_\_\_\_\_

Date/Time: *3/26/20 9:00*  
Date/Time: \_\_\_\_\_  
Date/Time: \_\_\_\_\_

Cooler Temp. (°C) Obs'd: \_\_\_\_\_  
Cooler Temp. (°C) Obs'd: \_\_\_\_\_

Count: \_\_\_\_\_  
Count: \_\_\_\_\_

Team ID No.: \_\_\_\_\_  
Team ID No.: \_\_\_\_\_





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: 1, 2, 3, COCs

Client Contact: Southern Company  
241 Ralph McGill Blvd SE, B 1018B  
Atlanta, GA 30338

Project Name: COC - Plant Scherer PAC Ann Cal  
Site: Georgia  
P.O. # 1801884

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-21	3/18/2020	8:08	G	Water	2		
COC-22	3/18/2020	10:10	G	Water	2		
COC-26	3/18/2020	13:06	G	Water	2		
COC-46	3/18/2020	17:07	G	Water	2		
COC-45	3/18/2020	14:15	G	Water	2		
COC-48	3/18/2020	14:11	G	Water	2		
COC-49	3/18/2020	11:26	G	Water	2		
COC-50	3/18/2020	13:06	G	Water	2		
COC-51	3/18/2020	11:26	G	Water	2		
COC-52	3/18/2020	13:06	G	Water	2		
COC-53	3/18/2020	14:17	G	Water	2		
FC-1 (PA)	-	-	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>,  None/Other

Possible Hazard Identification:  None/Other  Hazardous  RCRA  Other

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/RC Requirements & Comments

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

Sample Disposed:  Yes  No

Sample ID No: 180-103693

Company: *[Signature]* Date/Time: 3-20-20

Company: *[Signature]* Date/Time: 3-20-20

Company: *[Signature]* Date/Time: 3-20-20

681-Atlanta

**TestAmerica Pittsburgh**  
 501 Alpha Drive  
 PEOC Park  
 Pittsburgh, PA 15206-2607  
 phone 412 863 7058 fax 412 863 2468

**Chain of Custody Record**

**TestAmerica**  
 10000 W. 10th Ave. Suite 100  
 Denver, CO 80202

TestAmerica Laboratories, Inc.

Client Contact: **John Abraham**  
 Southern Company  
 281 Bluff Middle Blvd SE B-10185  
 Atlanta, GA 30308

Project Name: **COB - Plant Scherer PAC Run Cell**  
 Site: **Georgia**  
 POC: **18014984**

Regulatory Programs:  CER  TSCA  RCRA  SDWA  DDT  Other

Project Manager: **Deann Prill**  
 Tel/Fax: **348-834-8448**

Analysis Turnaround Time:  
 Outdated (hrs)  Incubated (hrs)  
 Test if different from below:  3-4 days,  1-2 weeks,  1 week,  2 days,  1 day

Site Contact: **Chris Tolbert**  
 Lab Contact: **Veronica Borstel**

QC No: **2** of **3** COCs

Sampler: **For Lab Use Only: Initial-in-Client Lab Sampling**

Job / SOG No: **SEE JOB # 10**

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., water, soil)	Matrix	# of Matrix Com.	Preservation Method	
						Refrigerated	Other
EB-1(PA)	3/18/2020	9:50	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EB-2(PA)	"	"	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EB-3(PA)	3/18/2020	11:45	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EB-3(PA)	3/18/2020	15:00	G	Water	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Preservation Used:  Ice,  HCl,  HNO<sub>3</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> / HNO<sub>3</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.

No Hazard  Hazardous  Site Initial  Facility Initial

Special Instructions: **OC Requirements & Comments:**

Custody Seal Intact:  Yes  No

Received by: **Chloe T. Dwyer** Date/Time: **3-20-20 14:12**  
 Received by: **Company: Southern** Date/Time: **3-21-20 9:00**  
 Received by: **Company: Southern** Date/Time: **3-21-20 9:00**

Form No. CA-CO-001, Rev. 4.16, dated 12/18/17





# 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 </= 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 RESULTS**

**CELL 3**

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-103891-1  
Client Project/Site: Plant Scherer Cell 3

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

Attn: Ms. Lauren Petty



Authorized for release by:  
5/11/2020 2:04:17 PM

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

### LINKS

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

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

PA Lab ID: 02-00416



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	18
QC Sample Results . . . . .	37
QC Association Summary . . . . .	48
Chain of Custody . . . . .	55
Receipt Checklists . . . . .	70

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Job ID: 180-103891-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-103891-1**

### Comments

No additional comments.

### Receipt

The samples were received on 3/21/2020 9:00 AM, 3/25/2020 9:30 AM and 3/28/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 16 coolers at receipt time were 1.0° C, 1.0° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.6° C, 1.8° C, 1.8° C, 2.4° C, 3.9° C, 3.9° C, 4.1° C and 4.1° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custodies

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FD-2 (180-104109-2). The container labels list a sample id of FD-2(C3), while the COC lists FD-2. The sample listed on the COC was used.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no sample collection date listed on the COC for the following sample; however it was on the label. TALS will be listed as 0000. FD-2 (180-104109-2).

### GC Semi VOA

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Fluoride for analytical batch 180-312442 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 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.

Methods 6020B: The (ICVL 180-313140/6) recovered above the 6020B criteria of 80-120% (actual 123.0 %) for aluminum but passes for 6020A method. An elevated concentration in the stock is suspected. Batch QC passes for aluminum; therefore, the data has been reported.

Method 6020B: The low level check standard (ICVL) recovery associated with batch 313035 was above the acceptance criteria for the following analyte: zinc. Since the recovery was high and the associated samples had zinc results below the reporting limit the results 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 3

Job ID: 180-103891-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance 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)
MQL	Method Quantitation Limit
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 3

Job ID: 180-103891-1

## 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	04-30-21

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 3

Job ID: 180-103891-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-103891-1	GWA-40	Water	03/20/20 09:35	03/21/20 09:00	
180-103891-2	FB-1(C3)	Water	03/20/20 09:30	03/21/20 09:00	
180-103891-3	GWA-43	Water	03/20/20 11:03	03/21/20 09:00	
180-103891-4	GWA-44	Water	03/20/20 09:04	03/21/20 09:00	
180-103891-5	EB-1(C3)	Water	03/20/20 11:20	03/21/20 09:00	
180-103892-1	GWA-41	Water	03/19/20 15:55	03/21/20 09:00	
180-103892-2	FD-1(C3)	Water	03/19/20 00:00	03/21/20 09:00	
180-103978-1	GWA-39	Water	03/23/20 12:58	03/25/20 09:30	
180-103978-2	GWA-42	Water	03/23/20 13:17	03/25/20 09:30	
180-103978-3	GWA-54	Water	03/23/20 14:50	03/25/20 09:30	
180-103978-4	FB-2 (C3)	Water	03/23/20 14:30	03/25/20 09:30	
180-103978-5	EB-2 (C3)	Water	03/23/20 12:40	03/25/20 09:30	
180-104109-1	GWC-30	Water	03/27/20 08:06	03/28/20 10:30	
180-104109-2	FD-2	Water	03/27/20 00:00	03/28/20 10:30	
180-104110-1	GWC-31	Water	03/26/20 15:42	03/28/20 10:30	
180-104110-2	GWC-32	Water	03/26/20 11:31	03/28/20 10:30	
180-104110-3	GWC-33	Water	03/26/20 11:25	03/28/20 10:30	
180-104110-4	GWC-34	Water	03/26/20 10:20	03/28/20 10:30	
180-104110-5	GWC-35	Water	03/26/20 09:03	03/28/20 10:30	
180-104110-6	GWC-36	Water	03/26/20 10:02	03/28/20 10:30	
180-104110-7	GWC-37	Water	03/26/20 10:40	03/28/20 10:30	
180-104110-8	GWC-38	Water	03/26/20 09:15	03/28/20 10:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

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 3

Job ID: 180-103891-1

**Client Sample ID: GWA-40**

**Lab Sample ID: 180-103891-1**

**Date Collected: 03/20/20 09:35**

**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			312383	04/09/20 05:22	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 16:20	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 16:46	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 09:35	FDS	TAL PIT

**Client Sample ID: FB-1(C3)**

**Lab Sample ID: 180-103891-2**

**Date Collected: 03/20/20 09:30**

**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			312383	04/09/20 06:09	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 16:23	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 16:47	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-43**

**Lab Sample ID: 180-103891-3**

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

**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			312383	04/09/20 06:25	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 16:27	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 16:50	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311085	03/25/20 10:01	AVS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Client Sample ID: GWA-43

Date Collected: 03/20/20 11:03

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			310781	03/20/20 11:03	FDS	TAL PIT

## Client Sample ID: GWA-44

Date Collected: 03/20/20 09:04

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-4

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			312254	04/08/20 11:26	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 16:30	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 16:51	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 09:04	FDS	TAL PIT

## Client Sample ID: EB-1(C3)

Date Collected: 03/20/20 11:20

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-5

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			312254	04/08/20 11:42	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 16:34	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 16:52	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-41

Date Collected: 03/19/20 15:55

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103892-1

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 11:58	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 16:37	RSK	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-41**

**Lab Sample ID: 180-103892-1**

**Date Collected: 03/19/20 15:55**

**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	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 16:52	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 15:55	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

**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		1			312254	04/08/20 12:14	SAC	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 16:41	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 16:53	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: GWA-39**

**Lab Sample ID: 180-103978-1**

**Date Collected: 03/23/20 12:58**

**Matrix: Water**

**Date Received: 03/25/20 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			312442	04/09/20 19:57	SAC	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313035	04/15/20 16:34	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311813	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311939	04/02/20 19:08	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311206	03/26/20 07:50	AVS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			311154	03/23/20 12:58	FDS	TAL PIT
		Instrument ID: NOEQUIP								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Client Sample ID: GWA-42

Date Collected: 03/23/20 13:17

Date Received: 03/25/20 09:30

## Lab Sample ID: 180-103978-2

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 20:43	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313035	04/15/20 16:37	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311813	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311939	04/02/20 19:09	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311206	03/26/20 09:09	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311154	03/23/20 13:17	FDS	TAL PIT

## Client Sample ID: GWA-54

Date Collected: 03/23/20 14:50

Date Received: 03/25/20 09:30

## Lab Sample ID: 180-103978-3

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 20:58	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313035	04/15/20 16:40	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311813	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			311939	04/02/20 19:10	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311206	03/26/20 09:09	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311154	03/23/20 14:50	FDS	TAL PIT

## Client Sample ID: FB-2 (C3)

Date Collected: 03/23/20 14:30

Date Received: 03/25/20 09:30

## Lab Sample ID: 180-103978-4

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 18:09	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313035	04/15/20 16:44	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			314621	05/02/20 14:50	WTR	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Client Sample ID: FB-2 (C3)

Lab Sample ID: 180-103978-4

Date Collected: 03/23/20 14:30

Matrix: Water

Date Received: 03/25/20 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	311813	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311939	04/02/20 19:11	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311206	03/26/20 07:50	AVS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB-2 (C3)

Lab Sample ID: 180-103978-5

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 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			312442	04/09/20 18:25	SAC	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	311519	03/30/20 08:55	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313035	04/15/20 16:47	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311813	04/01/20 17:03	NAM	TAL PIT
Total/NA	Analysis	EPA 7470A		1			311939	04/02/20 19:11	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311206	03/26/20 07:50	AVS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-30

Lab Sample ID: 180-104109-1

Date Collected: 03/27/20 08:06

Matrix: Water

Date Received: 03/28/20 10:30

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			312456	04/09/20 20:54	SAC	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313140	04/16/20 23:43	WTR	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			312179	04/06/20 16:05	NAM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			311585	03/27/20 08:06	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Client Sample ID: FD-2

## Lab Sample ID: 180-104109-2

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

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			312456	04/09/20 21:09	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313140	04/16/20 23:46	WTR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:06	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT

## Client Sample ID: GWC-31

## Lab Sample ID: 180-104110-1

Date Collected: 03/26/20 15:42

Matrix: Water

Date Received: 03/28/20 10:30

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	312456	04/09/20 21:25	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312927	04/15/20 09:17	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313140	04/16/20 23:49	WTR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:09	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 15:42	FDS	TAL PIT

## Client Sample ID: GWC-32

## Lab Sample ID: 180-104110-2

Date Collected: 03/26/20 11:31

Matrix: Water

Date Received: 03/28/20 10:30

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	312456	04/09/20 21:41	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312927	04/15/20 09:23	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313140	04/16/20 23:52	WTR	TAL PIT

Eurofins TestAmerica, Pittsburgh



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-32**

**Lab Sample ID: 180-104110-2**

**Date Collected: 03/26/20 11:31**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			312179	04/06/20 16:10	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			311585	03/26/20 11:31	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-33**

**Lab Sample ID: 180-104110-3**

**Date Collected: 03/26/20 11:25**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/09/20 21:57	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312927	04/15/20 09:25	RSK	TAL PIT
		Instrument ID: A								
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313140	04/16/20 23:56	WTR	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			312179	04/06/20 16:11	NAM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			311585	03/26/20 11:25	FDS	TAL PIT
		Instrument ID: NOEQUIP								

**Client Sample ID: GWC-34**

**Lab Sample ID: 180-104110-4**

**Date Collected: 03/26/20 10:20**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/09/20 22:13	SAC	TAL PIT
		Instrument ID: CHICS2100B								
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			312927	04/15/20 09:27	RSK	TAL PIT
		Instrument ID: A								
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:27	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313140	04/17/20 00:06	WTR	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			312179	04/06/20 16:11	NAM	TAL PIT
		Instrument ID: HGZ								

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-34**

**Lab Sample ID: 180-104110-4**

**Date Collected: 03/26/20 10:20**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 10:20	FDS	TAL PIT

**Client Sample ID: GWC-35**

**Lab Sample ID: 180-104110-5**

**Date Collected: 03/26/20 09:03**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/09/20 23:00	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:29	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312927	04/15/20 09:29	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:29	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313140	04/17/20 00:09	WTR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:12	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 09:03	FDS	TAL PIT

**Client Sample ID: GWC-36**

**Lab Sample ID: 180-104110-6**

**Date Collected: 03/26/20 10:02**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/09/20 23:16	SAC	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:29	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			312927	04/15/20 09:31	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	311753	04/01/20 08:29	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			313140	04/17/20 00:12	WTR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:13	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 10:02	FDS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-37**

**Lab Sample ID: 180-104110-7**

**Date Collected: 03/26/20 10:40**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/10/20 00:03	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: A		1			312934	04/15/20 10:35	RSK	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 17:59	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:14	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 10:40	FDS	TAL PIT

**Client Sample ID: GWC-38**

**Lab Sample ID: 180-104110-8**

**Date Collected: 03/26/20 09:15**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

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	312456	04/10/20 00:19	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: A		1			312934	04/15/20 10:38	RSK	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 18:02	RJR	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	311986	04/03/20 18:00	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			312179	04/06/20 16:15	NAM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	311642	03/31/20 09:34	AVS	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			311585	03/26/20 09:15	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 Cell 3

Job ID: 180-103891-1

## Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

NAM = Nicole Marfisi

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith

FDS = Sampler Field

NAM = Nicole Marfisi

RJR = Ron Rosenbaum

RSK = Robert Kurtz

SAC = Shawn Clemente

WTR = Bill Reinheimer

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-40**

**Lab Sample ID: 180-103891-1**

Date Collected: 03/20/20 09:35

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	1.2		1.0	0.32	mg/L			04/09/20 05:22	1
Fluoride	0.055	J	0.10	0.026	mg/L			04/09/20 05:22	1
Sulfate	0.54	J	1.0	0.38	mg/L			04/09/20 05:22	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		03/29/20 15:54	04/11/20 16:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:20	1
Barium	0.045		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:20	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:20	1
Calcium	6.5		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:20	1
Cobalt	0.0060		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:20	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:20	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:20	1
Nickel	0.0080		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:20	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:20	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:20	1
Zinc	0.015		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:20	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 16:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	59		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	5.78				SU			03/20/20 09:35	1

**Client Sample ID: FB-1(C3)**

**Lab Sample ID: 180-103891-2**

Date Collected: 03/20/20 09:30

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 06:09	1
Fluoride	0.026	J	0.10	0.026	mg/L			04/09/20 06:09	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 06:09	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		03/29/20 15:54	04/11/20 16:23	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: FB-1(C3)**

**Lab Sample ID: 180-103891-2**

Date Collected: 03/20/20 09:30

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
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:23	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:23	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:23	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:23	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:23	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:23	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:23	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:23	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:23	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 16:47	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-43**

**Lab Sample ID: 180-103891-3**

Date Collected: 03/20/20 11:03

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	6.6		1.0	0.32	mg/L			04/09/20 06:25	1
Fluoride	0.14		0.10	0.026	mg/L			04/09/20 06:25	1
Sulfate	3.0		1.0	0.38	mg/L			04/09/20 06:25	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		03/29/20 15:54	04/11/20 16:27	1
<b>Arsenic</b>	<b>0.00039</b>	<b>J</b>	0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:27	1
<b>Barium</b>	<b>0.060</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:27	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:27	1
<b>Calcium</b>	<b>28</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:27	1
<b>Cobalt</b>	<b>0.0083</b>		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:27	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:27	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-43**

**Lab Sample ID: 180-103891-3**

Date Collected: 03/20/20 11:03

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>Molybdenum</b>	<b>0.00071</b>	<b>J</b>	0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:27	1
<b>Nickel</b>	<b>0.0019</b>		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:27	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:27	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:27	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 16:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>190</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>6.39</b>				SU			03/20/20 11:03	1

**Client Sample ID: GWA-44**

**Lab Sample ID: 180-103891-4**

Date Collected: 03/20/20 09:04

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>6.6</b>		1.0	0.32	mg/L			04/08/20 11:26	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 11:26	1
<b>Sulfate</b>	<b>2.0</b>		1.0	0.38	mg/L			04/08/20 11:26	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		03/29/20 15:54	04/11/20 16:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:30	1
<b>Barium</b>	<b>0.040</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:30	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:30	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:30	1
<b>Calcium</b>	<b>22</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:30	1
<b>Cobalt</b>	<b>0.0023</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:30	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:30	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:30	1
<b>Nickel</b>	<b>0.00037</b>	<b>J</b>	0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:30	1
<b>Vanadium</b>	<b>0.0036</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:30	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-44**

**Lab Sample ID: 180-103891-4**

Date Collected: 03/20/20 09:04

Matrix: Water

Date Received: 03/21/20 09:00

**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 16:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		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	6.56				SU			03/20/20 09:04	1

**Client Sample ID: EB-1(C3)**

**Lab Sample ID: 180-103891-5**

Date Collected: 03/20/20 11:20

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			04/08/20 11:42	1
Fluoride	<0.026		0.10	0.026	mg/L			04/08/20 11:42	1
Sulfate	0.38	J	1.0	0.38	mg/L			04/08/20 11:42	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 15:54	04/11/20 16:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:34	1
Barium	<0.0016		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:34	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:34	1
Calcium	<0.13		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:34	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:34	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:34	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:34	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:34	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 16:52	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

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-41**

**Lab Sample ID: 180-103892-1**

Date Collected: 03/19/20 15:55

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	2.7		1.0	0.32	mg/L			04/08/20 11:58	1
Fluoride	0.046	J	0.10	0.026	mg/L			04/08/20 11:58	1
Sulfate	1.4		1.0	0.38	mg/L			04/08/20 11:58	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 15:54	04/11/20 16:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:37	1
Barium	0.018		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:37	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:37	1
Calcium	16		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:37	1
Chromium	0.0018	J	0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:37	1
Cobalt	0.0024	J	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:37	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:37	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:37	1
Nickel	0.0019		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:37	1
Vanadium	0.0077		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:37	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:37	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 16:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		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	6.5				SU			03/19/20 15:55	1

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

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	2.7		1.0	0.32	mg/L			04/08/20 12:14	1
Fluoride	0.040	J	0.10	0.026	mg/L			04/08/20 12:14	1
Sulfate	1.3		1.0	0.38	mg/L			04/08/20 12:14	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 15:54	04/11/20 16:41	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

Date Collected: 03/19/20 00:00

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
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Barium</b>	<b>0.018</b>		0.010	0.0016	mg/L		03/29/20 15:54	04/11/20 16:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/29/20 15:54	04/11/20 16:41	1
Boron	<0.039		0.080	0.039	mg/L		03/29/20 15:54	04/11/20 16:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Calcium</b>	<b>17</b>		0.50	0.13	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Chromium</b>	<b>0.0020</b>		0.0020	0.0015	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Cobalt</b>	<b>0.0024</b>	<b>J</b>	0.0025	0.00013	mg/L		03/29/20 15:54	04/11/20 16:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/29/20 15:54	04/11/20 16:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 16:41	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 16:41	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Nickel</b>	<b>0.0018</b>		0.0010	0.00034	mg/L		03/29/20 15:54	04/11/20 16:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/29/20 15:54	04/11/20 16:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/29/20 15:54	04/11/20 16:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/29/20 15:54	04/11/20 16:41	1
<b>Vanadium</b>	<b>0.0074</b>		0.0010	0.00099	mg/L		03/29/20 15:54	04/11/20 16:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/29/20 15:54	04/11/20 16:41	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 16:53	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			03/24/20 12:12	1

**Client Sample ID: GWA-39**

**Lab Sample ID: 180-103978-1**

Date Collected: 03/23/20 12:58

Matrix: Water

Date Received: 03/25/20 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>1.7</b>		1.0	0.32	mg/L			04/09/20 19:57	1
<b>Fluoride</b>	<b>0.078</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 19:57	1
<b>Sulfate</b>	<b>2.3</b>		1.0	0.38	mg/L			04/09/20 19:57	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		03/30/20 08:55	04/15/20 16:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Barium</b>	<b>0.036</b>		0.010	0.0016	mg/L		03/30/20 08:55	04/15/20 16:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 08:55	04/15/20 16:34	1
Boron	<0.039		0.080	0.039	mg/L		03/30/20 08:55	04/15/20 16:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Calcium</b>	<b>25</b>		0.50	0.13	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Chromium</b>	<b>0.0026</b>		0.0020	0.0015	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Cobalt</b>	<b>0.00084</b>	<b>J</b>	0.0025	0.00013	mg/L		03/30/20 08:55	04/15/20 16:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 08:55	04/15/20 16:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 08:55	04/15/20 16:34	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/30/20 08:55	04/15/20 16:34	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-39**

**Lab Sample ID: 180-103978-1**

Date Collected: 03/23/20 12:58

Matrix: Water

Date Received: 03/25/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Nickel</b>	<b>0.0039</b>		0.0010	0.00034	mg/L		03/30/20 08:55	04/15/20 16:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 08:55	04/15/20 16:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 08:55	04/15/20 16:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Vanadium</b>	<b>0.015</b>		0.0010	0.00099	mg/L		03/30/20 08:55	04/15/20 16:34	1
<b>Zinc</b>	<b>0.0035</b>	J ^	0.0050	0.0032	mg/L		03/30/20 08:55	04/15/20 16:34	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		04/01/20 17:03	04/02/20 19:08	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			03/26/20 07:50	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			03/23/20 12:58	1

**Client Sample ID: GWA-42**

**Lab Sample ID: 180-103978-2**

Date Collected: 03/23/20 13:17

Matrix: Water

Date Received: 03/25/20 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>4.4</b>		1.0	0.32	mg/L			04/09/20 20:43	1
<b>Fluoride</b>	<b>0.11</b>		0.10	0.026	mg/L			04/09/20 20:43	1
<b>Sulfate</b>	<b>1.2</b>		1.0	0.38	mg/L			04/09/20 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/30/20 08:55	04/15/20 16:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Barium</b>	<b>0.092</b>		0.010	0.0016	mg/L		03/30/20 08:55	04/15/20 16:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 08:55	04/15/20 16:37	1
Boron	<0.039		0.080	0.039	mg/L		03/30/20 08:55	04/15/20 16:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Calcium</b>	<b>28</b>		0.50	0.13	mg/L		03/30/20 08:55	04/15/20 16:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Cobalt</b>	<b>0.0016</b>	J	0.0025	0.00013	mg/L		03/30/20 08:55	04/15/20 16:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 08:55	04/15/20 16:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 08:55	04/15/20 16:37	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/30/20 08:55	04/15/20 16:37	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Nickel</b>	<b>0.0019</b>		0.0010	0.00034	mg/L		03/30/20 08:55	04/15/20 16:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 08:55	04/15/20 16:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 08:55	04/15/20 16:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Vanadium</b>	<b>0.0079</b>		0.0010	0.00099	mg/L		03/30/20 08:55	04/15/20 16:37	1
<b>Zinc</b>	<b>0.0047</b>	J ^	0.0050	0.0032	mg/L		03/30/20 08:55	04/15/20 16:37	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-42**

**Lab Sample ID: 180-103978-2**

Date Collected: 03/23/20 13:17

Matrix: Water

Date Received: 03/25/20 09:30

**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 17:03	04/02/20 19:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	190		10	10	mg/L			03/26/20 09:09	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.29				SU			03/23/20 13:17	1

**Client Sample ID: GWA-54**

**Lab Sample ID: 180-103978-3**

Date Collected: 03/23/20 14:50

Matrix: Water

Date Received: 03/25/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.6		1.0	0.32	mg/L			04/09/20 20:58	1
Fluoride	1.8	F1	0.10	0.026	mg/L			04/09/20 20:58	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/30/20 08:55	04/15/20 16:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 08:55	04/15/20 16:40	1
Barium	0.036		0.010	0.0016	mg/L		03/30/20 08:55	04/15/20 16:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 08:55	04/15/20 16:40	1
Boron	<0.039		0.080	0.039	mg/L		03/30/20 08:55	04/15/20 16:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 08:55	04/15/20 16:40	1
Calcium	37		0.50	0.13	mg/L		03/30/20 08:55	04/15/20 16:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/30/20 08:55	04/15/20 16:40	1
Cobalt	0.00038	J	0.0025	0.00013	mg/L		03/30/20 08:55	04/15/20 16:40	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 08:55	04/15/20 16:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 08:55	04/15/20 16:40	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/30/20 08:55	04/15/20 16:40	1
Molybdenum	0.016		0.015	0.00061	mg/L		03/30/20 08:55	04/15/20 16:40	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/30/20 08:55	04/15/20 16:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 08:55	04/15/20 16:40	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 08:55	04/15/20 16:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 08:55	04/15/20 16:40	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/30/20 08:55	04/15/20 16:40	1
Zinc	0.0041	J ^	0.0050	0.0032	mg/L		03/30/20 08:55	04/15/20 16:40	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 17:03	04/02/20 19:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			03/26/20 09:09	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWA-54**

**Lab Sample ID: 180-103978-3**

Date Collected: 03/23/20 14:50

Matrix: Water

Date Received: 03/25/20 09:30

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.09				SU			03/23/20 14:50	1

**Client Sample ID: FB-2 (C3)**

**Lab Sample ID: 180-103978-4**

Date Collected: 03/23/20 14:30

Matrix: Water

Date Received: 03/25/20 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			04/09/20 18:09	1
Fluoride	0.052	J	0.10	0.026	mg/L			04/09/20 18:09	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 18:09	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		03/30/20 08:55	04/15/20 16:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 08:55	04/15/20 16:44	1
Barium	<0.0016		0.010	0.0016	mg/L		03/30/20 08:55	04/15/20 16:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 08:55	04/15/20 16:44	1
Boron	<0.039		0.080	0.039	mg/L		03/30/20 08:55	04/15/20 16:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 08:55	04/15/20 16:44	1
Calcium	<0.13		0.50	0.13	mg/L		03/30/20 08:55	04/15/20 16:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/30/20 08:55	04/15/20 16:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/30/20 08:55	04/15/20 16:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 08:55	04/15/20 16:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 08:55	04/15/20 16:44	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/30/20 08:55	04/15/20 16:44	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/30/20 08:55	04/15/20 16:44	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/30/20 08:55	04/15/20 16:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 08:55	04/15/20 16:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 08:55	04/15/20 16:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 08:55	04/15/20 16:44	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/30/20 08:55	04/15/20 16:44	1
Zinc	0.0060		0.0050	0.0032	mg/L		03/30/20 08:55	05/02/20 14:50	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		04/01/20 17:03	04/02/20 19:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/26/20 07:50	1

**Client Sample ID: EB-2 (C3)**

**Lab Sample ID: 180-103978-5**

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 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			04/09/20 18:25	1
Fluoride	0.057	J	0.10	0.026	mg/L			04/09/20 18:25	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 18:25	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: EB-2 (C3)**

**Lab Sample ID: 180-103978-5**

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/30/20 08:55	04/15/20 16:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/30/20 08:55	04/15/20 16:47	1
Barium	<0.0016		0.010	0.0016	mg/L		03/30/20 08:55	04/15/20 16:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/30/20 08:55	04/15/20 16:47	1
Boron	<0.039		0.080	0.039	mg/L		03/30/20 08:55	04/15/20 16:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/30/20 08:55	04/15/20 16:47	1
Calcium	<0.13		0.50	0.13	mg/L		03/30/20 08:55	04/15/20 16:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/30/20 08:55	04/15/20 16:47	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/30/20 08:55	04/15/20 16:47	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/30/20 08:55	04/15/20 16:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/30/20 08:55	04/15/20 16:47	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/30/20 08:55	04/15/20 16:47	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		03/30/20 08:55	04/15/20 16:47	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/30/20 08:55	04/15/20 16:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/30/20 08:55	04/15/20 16:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/30/20 08:55	04/15/20 16:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/30/20 08:55	04/15/20 16:47	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/30/20 08:55	04/15/20 16:47	1
Zinc	<0.0032	^	0.0050	0.0032	mg/L		03/30/20 08:55	04/15/20 16:47	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 17:03	04/02/20 19:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/26/20 07:50	1

**Client Sample ID: GWC-30**

**Lab Sample ID: 180-104109-1**

Date Collected: 03/27/20 08:06

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.0		1.0	0.32	mg/L			04/09/20 20:54	1
Fluoride	0.044	J	0.10	0.026	mg/L			04/09/20 20:54	1
Sulfate	2.8		1.0	0.38	mg/L			04/09/20 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/01/20 08:27	04/16/20 23:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:27	04/16/20 23:43	1
Barium	0.020		0.010	0.0016	mg/L		04/01/20 08:27	04/16/20 23:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/16/20 23:43	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/16/20 23:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:27	04/16/20 23:43	1
Calcium	16		0.50	0.13	mg/L		04/01/20 08:27	04/16/20 23:43	1
Chromium	0.0025		0.0020	0.0015	mg/L		04/01/20 08:27	04/16/20 23:43	1
Cobalt	0.0011	J	0.0025	0.00013	mg/L		04/01/20 08:27	04/16/20 23:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:27	04/16/20 23:43	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/16/20 23:43	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-30**

**Lab Sample ID: 180-104109-1**

Date Collected: 03/27/20 08:06

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/01/20 08:27	04/16/20 23:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/16/20 23:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/01/20 08:27	04/16/20 23:43	1
<b>Nickel</b>	<b>0.0034</b>		0.0010	0.00034	mg/L		04/01/20 08:27	04/16/20 23:43	1
<b>Vanadium</b>	<b>0.011</b>		0.0010	0.00099	mg/L		04/01/20 08:27	04/16/20 23:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/16/20 23:43	1
<b>Copper</b>	<b>0.0013</b>	<b>J</b>	0.0020	0.00063	mg/L		04/01/20 08:27	04/16/20 23:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/01/20 08:27	04/16/20 23:43	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		04/03/20 18:00	04/06/20 16:05	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			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.28</b>				SU			03/27/20 08:06	1

**Client Sample ID: FD-2**

**Lab Sample ID: 180-104109-2**

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.0</b>		1.0	0.32	mg/L			04/09/20 21:09	1
<b>Fluoride</b>	<b>0.042</b>	<b>J</b>	0.10	0.026	mg/L			04/09/20 21:09	1
<b>Sulfate</b>	<b>2.9</b>		1.0	0.38	mg/L			04/09/20 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/01/20 08:27	04/16/20 23:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Barium</b>	<b>0.023</b>		0.010	0.0016	mg/L		04/01/20 08:27	04/16/20 23:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/16/20 23:46	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/16/20 23:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Calcium</b>	<b>17</b>		0.50	0.13	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Chromium</b>	<b>0.0023</b>		0.0020	0.0015	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Cobalt</b>	<b>0.0011</b>	<b>J</b>	0.0025	0.00013	mg/L		04/01/20 08:27	04/16/20 23:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:27	04/16/20 23:46	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/16/20 23:46	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/01/20 08:27	04/16/20 23:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/16/20 23:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Nickel</b>	<b>0.0024</b>		0.0010	0.00034	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Vanadium</b>	<b>0.011</b>		0.0010	0.00099	mg/L		04/01/20 08:27	04/16/20 23:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/16/20 23:46	1
<b>Copper</b>	<b>0.0014</b>	<b>J</b>	0.0020	0.00063	mg/L		04/01/20 08:27	04/16/20 23:46	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: FD-2**

**Lab Sample ID: 180-104109-2**

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

**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		04/01/20 08:27	04/16/20 23:46	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		04/03/20 18:00	04/06/20 16:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			03/31/20 09:34	1

**Client Sample ID: GWC-31**

**Lab Sample ID: 180-104110-1**

Date Collected: 03/26/20 15:42

Matrix: Water

Date Received: 03/28/20 10:30

**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			04/09/20 21:25	1
Fluoride	0.083	J	0.10	0.026	mg/L			04/09/20 21:25	1
Sulfate	2.5		1.0	0.38	mg/L			04/09/20 21:25	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		04/01/20 08:27	04/16/20 23:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:27	04/16/20 23:49	1
Barium	0.017		0.010	0.0016	mg/L		04/01/20 08:27	04/16/20 23:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/16/20 23:49	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/16/20 23:49	1
Cadmium	0.00025	J	0.0025	0.00022	mg/L		04/01/20 08:27	04/16/20 23:49	1
Calcium	15		0.50	0.13	mg/L		04/01/20 08:27	04/16/20 23:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/01/20 08:27	04/16/20 23:49	1
Cobalt	0.0025		0.0025	0.00013	mg/L		04/01/20 08:27	04/16/20 23:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:27	04/16/20 23:49	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/16/20 23:49	1
Molybdenum	0.0015	J	0.015	0.00061	mg/L		04/01/20 08:27	04/16/20 23:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/16/20 23:49	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:27	04/15/20 09:17	1
Nickel	0.00099	J	0.0010	0.00034	mg/L		04/01/20 08:27	04/16/20 23:49	1
Vanadium	0.0026		0.0010	0.00099	mg/L		04/01/20 08:27	04/16/20 23:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/16/20 23:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/01/20 08:27	04/16/20 23:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/01/20 08:27	04/16/20 23:49	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 18:00	04/06/20 16:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/31/20 09:34	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-31**

Date Collected: 03/26/20 15:42

Date Received: 03/28/20 10:30

**Lab Sample ID: 180-104110-1**

Matrix: Water

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.67				SU			03/26/20 15:42	1

**Client Sample ID: GWC-32**

Date Collected: 03/26/20 11:31

Date Received: 03/28/20 10:30

**Lab Sample ID: 180-104110-2**

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 21:41	1
Fluoride	0.037	J	0.10	0.026	mg/L			04/09/20 21:41	1
Sulfate	7.5		1.0	0.38	mg/L			04/09/20 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/01/20 08:27	04/16/20 23:52	1
Arsenic	0.00070	J	0.0010	0.00031	mg/L		04/01/20 08:27	04/16/20 23:52	1
Barium	0.043		0.010	0.0016	mg/L		04/01/20 08:27	04/16/20 23:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/16/20 23:52	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/16/20 23:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:27	04/16/20 23:52	1
Calcium	22		0.50	0.13	mg/L		04/01/20 08:27	04/16/20 23:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/01/20 08:27	04/16/20 23:52	1
Cobalt	0.0011	J	0.0025	0.00013	mg/L		04/01/20 08:27	04/16/20 23:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:27	04/16/20 23:52	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/16/20 23:52	1
Molybdenum	0.0023	J	0.015	0.00061	mg/L		04/01/20 08:27	04/16/20 23:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/16/20 23:52	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:27	04/15/20 09:23	1
Nickel	0.0016		0.0010	0.00034	mg/L		04/01/20 08:27	04/16/20 23:52	1
Vanadium	0.0021		0.0010	0.00099	mg/L		04/01/20 08:27	04/16/20 23:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/16/20 23:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/01/20 08:27	04/16/20 23:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/01/20 08:27	04/16/20 23:52	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		04/03/20 18:00	04/06/20 16:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.63				SU			03/26/20 11:31	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-33**

**Lab Sample ID: 180-104110-3**

Date Collected: 03/26/20 11:25

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.6		1.0	0.32	mg/L			04/09/20 21:57	1
Fluoride	0.037	J	0.10	0.026	mg/L			04/09/20 21:57	1
Sulfate	4.1		1.0	0.38	mg/L			04/09/20 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00040	J	0.0020	0.00038	mg/L		04/01/20 08:27	04/16/20 23:56	1
Arsenic	0.00045	J	0.0010	0.00031	mg/L		04/01/20 08:27	04/16/20 23:56	1
Barium	0.022		0.010	0.0016	mg/L		04/01/20 08:27	04/16/20 23:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/16/20 23:56	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/16/20 23:56	1
Cadmium	0.00024	J	0.0025	0.00022	mg/L		04/01/20 08:27	04/16/20 23:56	1
Calcium	13		0.50	0.13	mg/L		04/01/20 08:27	04/16/20 23:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/01/20 08:27	04/16/20 23:56	1
Cobalt	0.0026		0.0025	0.00013	mg/L		04/01/20 08:27	04/16/20 23:56	1
Lead	0.00025	J	0.0010	0.00013	mg/L		04/01/20 08:27	04/16/20 23:56	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/16/20 23:56	1
Molybdenum	0.0018	J	0.015	0.00061	mg/L		04/01/20 08:27	04/16/20 23:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/16/20 23:56	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:27	04/15/20 09:25	1
Nickel	0.0015		0.0010	0.00034	mg/L		04/01/20 08:27	04/16/20 23:56	1
Vanadium	0.0018		0.0010	0.00099	mg/L		04/01/20 08:27	04/16/20 23:56	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/16/20 23:56	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/01/20 08:27	04/16/20 23:56	1
Zinc	0.0090		0.0050	0.0032	mg/L		04/01/20 08:27	04/16/20 23:56	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 18:00	04/06/20 16:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			03/26/20 11:25	1

**Client Sample ID: GWC-34**

**Lab Sample ID: 180-104110-4**

Date Collected: 03/26/20 10:20

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.2		1.0	0.32	mg/L			04/09/20 22:13	1
Fluoride	0.028	J	0.10	0.026	mg/L			04/09/20 22:13	1
Sulfate	2.4		1.0	0.38	mg/L			04/09/20 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/01/20 08:27	04/17/20 00:06	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-34**

**Lab Sample ID: 180-104110-4**

Date Collected: 03/26/20 10:20

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Barium</b>	<b>0.030</b>		0.010	0.0016	mg/L		04/01/20 08:27	04/17/20 00:06	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:27	04/17/20 00:06	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:27	04/17/20 00:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Calcium</b>	<b>10</b>		0.50	0.13	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Chromium</b>	<b>0.0071</b>		0.0020	0.0015	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Cobalt</b>	<b>0.00015</b>	J	0.0025	0.00013	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Lead</b>	<b>0.00015</b>	J	0.0010	0.00013	mg/L		04/01/20 08:27	04/17/20 00:06	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:27	04/17/20 00:06	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/01/20 08:27	04/17/20 00:06	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:27	04/17/20 00:06	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:27	04/15/20 09:27	1
<b>Nickel</b>	<b>0.0019</b>		0.0010	0.00034	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Vanadium</b>	<b>0.0046</b>		0.0010	0.00099	mg/L		04/01/20 08:27	04/17/20 00:06	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:27	04/17/20 00:06	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/01/20 08:27	04/17/20 00:06	1
<b>Zinc</b>	<b>0.0066</b>		0.0050	0.0032	mg/L		04/01/20 08:27	04/17/20 00:06	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		04/03/20 18:00	04/06/20 16:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>88</b>		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.08</b>				SU			03/26/20 10:20	1

**Client Sample ID: GWC-35**

**Lab Sample ID: 180-104110-5**

Date Collected: 03/26/20 09:03

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>9.7</b>		1.0	0.32	mg/L			04/09/20 23:00	1
<b>Fluoride</b>	<b>0.032</b>	J	0.10	0.026	mg/L			04/09/20 23:00	1
<b>Sulfate</b>	<b>72</b>		1.0	0.38	mg/L			04/09/20 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		04/01/20 08:29	04/17/20 00:09	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:29	04/17/20 00:09	1
<b>Barium</b>	<b>0.024</b>		0.010	0.0016	mg/L		04/01/20 08:29	04/17/20 00:09	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:29	04/17/20 00:09	1
<b>Boron</b>	<b>0.48</b>		0.080	0.039	mg/L		04/01/20 08:29	04/17/20 00:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:29	04/17/20 00:09	1
<b>Calcium</b>	<b>19</b>		0.50	0.13	mg/L		04/01/20 08:29	04/17/20 00:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/01/20 08:29	04/17/20 00:09	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-35**

**Lab Sample ID: 180-104110-5**

Date Collected: 03/26/20 09:03

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Cobalt</b>	<b>0.00079</b>	<b>J</b>	0.0025	0.00013	mg/L		04/01/20 08:29	04/17/20 00:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:29	04/17/20 00:09	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:29	04/17/20 00:09	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/01/20 08:29	04/17/20 00:09	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:29	04/17/20 00:09	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:29	04/15/20 09:29	1
<b>Nickel</b>	<b>0.00083</b>	<b>J</b>	0.0010	0.00034	mg/L		04/01/20 08:29	04/17/20 00:09	1
<b>Vanadium</b>	<b>0.0068</b>		0.0010	0.00099	mg/L		04/01/20 08:29	04/17/20 00:09	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:29	04/17/20 00:09	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/01/20 08:29	04/17/20 00:09	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/01/20 08:29	04/17/20 00:09	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 18:00	04/06/20 16:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>210</b>		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>6.60</b>				SU			03/26/20 09:03	1

**Client Sample ID: GWC-36**

**Lab Sample ID: 180-104110-6**

Date Collected: 03/26/20 10:02

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.3</b>		1.0	0.32	mg/L			04/09/20 23:16	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 23:16	1
<b>Sulfate</b>	<b>0.72</b>	<b>J</b>	1.0	0.38	mg/L			04/09/20 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		04/01/20 08:29	04/17/20 00:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/01/20 08:29	04/17/20 00:12	1
<b>Barium</b>	<b>0.038</b>		0.010	0.0016	mg/L		04/01/20 08:29	04/17/20 00:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/01/20 08:29	04/17/20 00:12	1
Boron	<0.039		0.080	0.039	mg/L		04/01/20 08:29	04/17/20 00:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/01/20 08:29	04/17/20 00:12	1
<b>Calcium</b>	<b>9.7</b>		0.50	0.13	mg/L		04/01/20 08:29	04/17/20 00:12	1
<b>Chromium</b>	<b>0.0052</b>		0.0020	0.0015	mg/L		04/01/20 08:29	04/17/20 00:12	1
<b>Cobalt</b>	<b>0.0021</b>	<b>J</b>	0.0025	0.00013	mg/L		04/01/20 08:29	04/17/20 00:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/01/20 08:29	04/17/20 00:12	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/01/20 08:29	04/17/20 00:12	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/01/20 08:29	04/17/20 00:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/01/20 08:29	04/17/20 00:12	1
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:29	04/15/20 09:31	1
<b>Nickel</b>	<b>0.0049</b>		0.0010	0.00034	mg/L		04/01/20 08:29	04/17/20 00:12	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-36**

**Lab Sample ID: 180-104110-6**

Date Collected: 03/26/20 10:02

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.0017		0.0010	0.00099	mg/L		04/01/20 08:29	04/17/20 00:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/01/20 08:29	04/17/20 00:12	1
Copper	0.00083	J	0.0020	0.00063	mg/L		04/01/20 08:29	04/17/20 00:12	1
Zinc	0.011		0.0050	0.0032	mg/L		04/01/20 08:29	04/17/20 00:12	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 18:00	04/06/20 16:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	79		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.07				SU			03/26/20 10:02	1

**Client Sample ID: GWC-37**

**Lab Sample ID: 180-104110-7**

Date Collected: 03/26/20 10:40

Matrix: Water

Date Received: 03/28/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.6		1.0	0.32	mg/L			04/10/20 00:03	1
Fluoride	0.030	J	0.10	0.026	mg/L			04/10/20 00:03	1
Sulfate	0.81	J	1.0	0.38	mg/L			04/10/20 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/06/20 17:59	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 17:59	1
Barium	0.053		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 17:59	1
Beryllium	0.00045	J	0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 17:59	1
Boron	<0.039		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 17:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 17:59	1
Calcium	17		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 17:59	1
Chromium	0.0026		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 17:59	1
Cobalt	0.0068		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 17:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 17:59	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/02/20 10:00	04/06/20 17:59	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/20 10:00	04/06/20 17:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 17:59	1
Thorium	<0.0012	*	0.0050	0.0012	mg/L		04/02/20 10:00	04/15/20 10:35	1
Nickel	0.0045		0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 17:59	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 17:59	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 17:59	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 17:59	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 17:59	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-37**

**Lab Sample ID: 180-104110-7**

Date Collected: 03/26/20 10:40

Matrix: Water

Date Received: 03/28/20 10:30

**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 18:00	04/06/20 16:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/31/20 09:34	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.33				SU			03/26/20 10:40	1

**Client Sample ID: GWC-38**

**Lab Sample ID: 180-104110-8**

Date Collected: 03/26/20 09:15

Matrix: Water

Date Received: 03/28/20 10:30

**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			04/10/20 00:19	1
Fluoride	0.041	J	0.10	0.026	mg/L			04/10/20 00:19	1
Sulfate	2.5		1.0	0.38	mg/L			04/10/20 00:19	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		04/02/20 10:00	04/06/20 18:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/06/20 18:02	1
Barium	0.013		0.010	0.0016	mg/L		04/02/20 10:00	04/06/20 18:02	1
Beryllium	0.00021	J	0.0025	0.00018	mg/L		04/02/20 10:00	04/06/20 18:02	1
Boron	<0.039		0.080	0.039	mg/L		04/02/20 10:00	04/06/20 18:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/06/20 18:02	1
Calcium	15		0.50	0.13	mg/L		04/02/20 10:00	04/06/20 18:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/06/20 18:02	1
Cobalt	0.0032		0.0025	0.00013	mg/L		04/02/20 10:00	04/06/20 18:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 18:02	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/02/20 10:00	04/06/20 18:02	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/20 10:00	04/06/20 18:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/06/20 18:02	1
Thorium	<0.0012	*	0.0050	0.0012	mg/L		04/02/20 10:00	04/15/20 10:38	1
Nickel	0.00071	J	0.0010	0.00034	mg/L		04/02/20 10:00	04/06/20 18:02	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/02/20 10:00	04/06/20 18:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/06/20 18:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/06/20 18:02	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/06/20 18:02	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		04/03/20 18:00	04/06/20 16:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			03/31/20 09:34	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

**Client Sample ID: GWC-38**  
**Date Collected: 03/26/20 09:15**  
**Date Received: 03/28/20 10:30**

**Lab Sample ID: 180-104110-8**  
**Matrix: Water**

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.58				SU			03/26/20 09:15	1

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

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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-A-1 MS**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.7	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-A-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 312254**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.7	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 Cell 3

Job ID: 180-103891-1

## 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 180-312442/40**  
**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 17:54	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 17:54	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 17:54	1

**Lab Sample ID: LCS 180-312442/39**  
**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	50.0		mg/L		100	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

**Lab Sample ID: 180-103978-3 MS**  
**Matrix: Water**  
**Analysis Batch: 312442**

**Client Sample ID: GWA-54**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.6		25.0	31.2		mg/L		99	80 - 120
Fluoride	1.8	F1	1.25	1.51	F1	mg/L		-25	80 - 120
Sulfate	<0.38		25.0	24.7		mg/L		99	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

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

**Lab Sample ID: 180-103978-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 312442**

**Client Sample ID: GWA-54**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.6		25.0	31.9		mg/L		101	80 - 120	2	20
Fluoride	1.8	F1	1.25	1.54	F1	mg/L		-22	80 - 120	2	20
Sulfate	<0.38		25.0	25.3		mg/L		101	80 - 120	2	20

**Lab Sample ID: MB 180-312456/6**  
**Matrix: Water**  
**Analysis Batch: 312456**

**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 10:14	1
Fluoride	<0.026		0.10	0.026	mg/L			04/09/20 10:14	1
Sulfate	<0.38		1.0	0.38	mg/L			04/09/20 10:14	1

**Lab Sample ID: LCS 180-312456/5**  
**Matrix: Water**  
**Analysis Batch: 312456**

**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	2.32		mg/L		93	90 - 110
Sulfate	50.0	48.0		mg/L		96	90 - 110

**Lab Sample ID: 180-104110-6 MS**  
**Matrix: Water**  
**Analysis Batch: 312456**

**Client Sample ID: GWC-36**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.3		25.0	25.5		mg/L		97	80 - 120
Fluoride	<0.026		1.25	1.16		mg/L		93	80 - 120
Sulfate	0.72	J	25.0	24.3		mg/L		94	80 - 120

**Lab Sample ID: 180-104110-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 312456**

**Client Sample ID: GWC-36**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.3		25.0	26.0		mg/L		99	80 - 120	2	20
Fluoride	<0.026		1.25	1.18		mg/L		94	80 - 120	1	20
Sulfate	0.72	J	25.0	24.6		mg/L		95	80 - 120	1	20

**Lab Sample ID: 180-104432-D-2 MS**  
**Matrix: Water**  
**Analysis Batch: 312456**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36		25.0	58.9		mg/L		90	80 - 120
Fluoride	0.036	J	1.25	1.21		mg/L		94	80 - 120
Sulfate	17		25.0	39.6		mg/L		91	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

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

**Lab Sample ID: 180-104432-D-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 312456**

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	36		25.0	59.5		mg/L		93	80 - 120	1	20
Fluoride	0.036	J	1.25	1.23		mg/L		95	80 - 120	1	20
Sulfate	17		25.0	40.4		mg/L		94	80 - 120	2	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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
Lead	<0.00013		0.0010	0.00013	mg/L		03/29/20 15:54	04/11/20 15:35	1
Lithium	<0.0034		0.0050	0.0034	mg/L		03/29/20 15:54	04/11/20 15:35	1
Molybdenum	<0.00061		0.015	0.00061	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
Thallium	<0.00015		0.0010	0.00015	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
Vanadium	<0.00099		0.0010	0.00099	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
Copper	<0.00063		0.0020	0.00063	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	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				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
Lead	0.500	0.495		mg/L		99	80 - 120
Lithium	0.500	0.506		mg/L		101	80 - 120
Molybdenum	0.500	0.500		mg/L		100	80 - 120
Selenium	1.00	0.984		mg/L		98	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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	%Rec. Limits
Thallium	1.00	1.05		mg/L		105	80 - 120
Nickel	0.500	0.452		mg/L		90	80 - 120
Vanadium	0.500	0.499		mg/L		100	80 - 120
Copper	0.500	0.490		mg/L		98	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	%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	%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
Lead	<0.00013		0.500	0.525		mg/L		105	75 - 125
Lithium	<0.0034		0.500	0.516		mg/L		103	75 - 125
Molybdenum	<0.00061		0.500	0.531		mg/L		106	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125
Nickel	<0.00034		0.500	0.474		mg/L		95	75 - 125
Vanadium	0.0033		0.500	0.543		mg/L		108	75 - 125
Silver	<0.00018		0.250	0.272		mg/L		109	75 - 125
Copper	<0.00063		0.500	0.551		mg/L		110	75 - 125
Zinc	0.0035	J	0.250	0.248		mg/L		98	75 - 125

**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 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

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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
Lead	<0.00013		0.500	0.513		mg/L		103	75 - 125	2	20
Lithium	<0.0034		0.500	0.500		mg/L		100	75 - 125	3	20
Molybdenum	<0.00061		0.500	0.516		mg/L		103	75 - 125	3	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	2	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	3	20
Nickel	<0.00034		0.500	0.462		mg/L		92	75 - 125	3	20
Vanadium	0.0033		0.500	0.529		mg/L		105	75 - 125	3	20
Silver	<0.00018		0.250	0.268		mg/L		107	75 - 125	1	20
Copper	<0.00063		0.500	0.540		mg/L		108	75 - 125	2	20
Zinc	0.0035	J	0.250	0.241		mg/L		95	75 - 125	3	20

**Lab Sample ID: MB 180-311753/1-A**

**Matrix: Water**

**Analysis Batch: 312937**

**Client Sample ID: Method Blank**

**Prep Type: Total Recoverable**

**Prep Batch: 311753**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	<0.0012		0.0050	0.0012	mg/L		04/01/20 08:27	04/15/20 11:34	1

**Lab Sample ID: LCS 180-311753/2-A**

**Matrix: Water**

**Analysis Batch: 312927**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total Recoverable**

**Prep Batch: 311753**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	0.0250	0.0218		mg/L		87	80 - 120

**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
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/06/20 17:43	1
Lithium	<0.0034		0.0050	0.0034	mg/L		04/02/20 10:00	04/06/20 17:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/20 10:00	04/06/20 17:43	1
Selenium	<0.0015		0.0050	0.0015	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
Vanadium	<0.00099		0.0010	0.00099	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

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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
Copper	<0.00063		0.0020	0.00063	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: MB 180-311869/1-A**  
**Matrix: Water**  
**Analysis Batch: 312934**

**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
Thorium	<0.0012		0.0050	0.0012	mg/L		04/02/20 10:00	04/15/20 10:33	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	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
Lead	0.500	0.494		mg/L		99	80 - 120
Lithium	0.500	0.471		mg/L		94	80 - 120
Molybdenum	0.500	0.461		mg/L		92	80 - 120
Selenium	1.00	0.936		mg/L		94	80 - 120
Nickel	0.500	0.443		mg/L		89	80 - 120
Vanadium	0.500	0.444		mg/L		89	80 - 120
Silver	0.250	0.245		mg/L		98	80 - 120
Copper	0.500	0.449		mg/L		90	80 - 120
Zinc	0.250	0.225		mg/L		90	80 - 120

**Lab Sample ID: LCS 180-311869/2-A**  
**Matrix: Water**  
**Analysis Batch: 312934**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 311869**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Thorium	0.0250	0.0235		mg/L		94	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	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

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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
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
Lead	<0.00013		0.500	0.511		mg/L		102	75 - 125
Lithium	0.0039	J	0.500	0.496		mg/L		98	75 - 125
Molybdenum	<0.00061		0.500	0.480		mg/L		96	75 - 125
Selenium	<0.0015		1.00	0.953		mg/L		95	75 - 125
Nickel	<0.00034		0.500	0.458		mg/L		92	75 - 125
Vanadium	<0.00099		0.500	0.456		mg/L		91	75 - 125
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.463		mg/L		93	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
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125	3	20
Lithium	0.0039	J	0.500	0.480		mg/L		95	75 - 125	3	20
Molybdenum	<0.00061		0.500	0.473		mg/L		95	75 - 125	2	20
Selenium	<0.0015		1.00	0.938		mg/L		94	75 - 125	2	20
Nickel	<0.00034		0.500	0.448		mg/L		90	75 - 125	2	20
Vanadium	<0.00099		0.500	0.441		mg/L		88	75 - 125	3	20
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125	3	20
Copper	<0.00063		0.500	0.452		mg/L		90	75 - 125	2	20
Zinc	<0.0032		0.250	0.225		mg/L		90	75 - 125	6	20

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

**Lab Sample ID: MB 180-311685/1-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

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

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

**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**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00238		mg/L		95	80 - 120

**Lab Sample ID: 180-103890-B-1-C MS**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.00101		mg/L		101	75 - 125

**Lab Sample ID: 180-103890-B-1-D MSD**  
**Matrix: Water**  
**Analysis Batch: 311830**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 311685**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.000994		mg/L		99	75 - 125	1	20

**Lab Sample ID: MB 180-311813/1-A**  
**Matrix: Water**  
**Analysis Batch: 311939**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 311813**

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 17:03	04/02/20 19:04	1

**Lab Sample ID: LCS 180-311813/2-A**  
**Matrix: Water**  
**Analysis Batch: 311939**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 311813**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00251		mg/L		100	80 - 120

**Lab Sample ID: 180-103951-C-4-H MS**  
**Matrix: Water**  
**Analysis Batch: 311939**

**Client Sample ID: Matrix Spike**  
**Prep Type: Dissolved**  
**Prep Batch: 311813**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00010		0.00100	0.000941		mg/L		94	75 - 125

**Lab Sample ID: 180-103951-C-4-I MSD**  
**Matrix: Water**  
**Analysis Batch: 311939**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Dissolved**  
**Prep Batch: 311813**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00010		0.00100	0.000955		mg/L		96	75 - 125	1	20



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## 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**

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: 180-103893-A-5 DU**  
**Matrix: Water**  
**Analysis Batch: 310953**

**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	310		309		mg/L		2	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-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	99		93.0		mg/L		6	10

**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

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

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

**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: 180-103891-3 DU**  
**Matrix: Water**  
**Analysis Batch: 311085**

**Client Sample ID: GWA-43**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	190		191		mg/L		2	10

**Lab Sample ID: MB 180-311206/2**  
**Matrix: Water**  
**Analysis Batch: 311206**

**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			03/26/20 07:50	1

**Lab Sample ID: LCS 180-311206/1**  
**Matrix: Water**  
**Analysis Batch: 311206**

**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	208		mg/L		86	80 - 120

**Lab Sample ID: 180-103969-A-6 DU**  
**Matrix: Water**  
**Analysis Batch: 311206**

**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		288		mg/L		1	10

**Lab Sample ID: MB 180-311642/2**  
**Matrix: Water**  
**Analysis Batch: 311642**

**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			03/31/20 09:34	1

**Lab Sample ID: LCS 180-311642/1**  
**Matrix: Water**  
**Analysis Batch: 311642**

**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: 180-104110-5 DU**  
**Matrix: Water**  
**Analysis Batch: 311642**

**Client Sample ID: GWC-35**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	210		201		mg/L		5	10

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## HPLC/IC

### Analysis Batch: 312254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-4	GWA-44	Total/NA	Water	EPA 300.0 R2.1	
180-103891-5	EB-1(C3)	Total/NA	Water	EPA 300.0 R2.1	
180-103892-1	GWA-41	Total/NA	Water	EPA 300.0 R2.1	
180-103892-2	FD-1(C3)	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-A-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-103890-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	EPA 300.0 R2.1	
180-103891-2	FB-1(C3)	Total/NA	Water	EPA 300.0 R2.1	
180-103891-3	GWA-43	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: 312442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	EPA 300.0 R2.1	
180-103978-2	GWA-42	Total/NA	Water	EPA 300.0 R2.1	
180-103978-3	GWA-54	Total/NA	Water	EPA 300.0 R2.1	
180-103978-4	FB-2 (C3)	Total/NA	Water	EPA 300.0 R2.1	
180-103978-5	EB-2 (C3)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312442/40	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312442/39	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-103978-3 MS	GWA-54	Total/NA	Water	EPA 300.0 R2.1	
180-103978-3 MSD	GWA-54	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 312456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	EPA 300.0 R2.1	
180-104109-2	FD-2	Total/NA	Water	EPA 300.0 R2.1	
180-104110-1	GWC-31	Total/NA	Water	EPA 300.0 R2.1	
180-104110-2	GWC-32	Total/NA	Water	EPA 300.0 R2.1	
180-104110-3	GWC-33	Total/NA	Water	EPA 300.0 R2.1	
180-104110-4	GWC-34	Total/NA	Water	EPA 300.0 R2.1	
180-104110-5	GWC-35	Total/NA	Water	EPA 300.0 R2.1	
180-104110-6	GWC-36	Total/NA	Water	EPA 300.0 R2.1	
180-104110-7	GWC-37	Total/NA	Water	EPA 300.0 R2.1	
180-104110-8	GWC-38	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312456/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312456/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104110-6 MS	GWC-36	Total/NA	Water	EPA 300.0 R2.1	
180-104110-6 MSD	GWC-36	Total/NA	Water	EPA 300.0 R2.1	
180-104432-D-2 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-104432-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Metals

### Prep Batch: 311483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total Recoverable	Water	3005A	
180-103891-2	FB-1(C3)	Total Recoverable	Water	3005A	
180-103891-3	GWA-43	Total Recoverable	Water	3005A	
180-103891-4	GWA-44	Total Recoverable	Water	3005A	
180-103891-5	EB-1(C3)	Total Recoverable	Water	3005A	
180-103892-1	GWA-41	Total Recoverable	Water	3005A	
180-103892-2	FD-1(C3)	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: 311519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total Recoverable	Water	3005A	
180-103978-2	GWA-42	Total Recoverable	Water	3005A	
180-103978-3	GWA-54	Total Recoverable	Water	3005A	
180-103978-4	FB-2 (C3)	Total Recoverable	Water	3005A	
180-103978-5	EB-2 (C3)	Total Recoverable	Water	3005A	

### Filtration Batch: 311533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103951-C-4-H MS	Matrix Spike	Dissolved	Water	Filtration	
180-103951-C-4-I MSD	Matrix Spike Duplicate	Dissolved	Water	Filtration	

### Prep Batch: 311685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	7470A	
180-103891-2	FB-1(C3)	Total/NA	Water	7470A	
180-103891-3	GWA-43	Total/NA	Water	7470A	
180-103891-4	GWA-44	Total/NA	Water	7470A	
180-103891-5	EB-1(C3)	Total/NA	Water	7470A	
180-103892-1	GWA-41	Total/NA	Water	7470A	
180-103892-2	FD-1(C3)	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-B-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-103890-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 311753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total Recoverable	Water	3005A	
180-104109-2	FD-2	Total Recoverable	Water	3005A	
180-104110-1	GWC-31	Total Recoverable	Water	3005A	
180-104110-2	GWC-32	Total Recoverable	Water	3005A	
180-104110-3	GWC-33	Total Recoverable	Water	3005A	
180-104110-4	GWC-34	Total Recoverable	Water	3005A	
180-104110-5	GWC-35	Total Recoverable	Water	3005A	
180-104110-6	GWC-36	Total Recoverable	Water	3005A	
MB 180-311753/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311753/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Metals

### Prep Batch: 311813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	7470A	
180-103978-2	GWA-42	Total/NA	Water	7470A	
180-103978-3	GWA-54	Total/NA	Water	7470A	
180-103978-4	FB-2 (C3)	Total/NA	Water	7470A	
180-103978-5	EB-2 (C3)	Total/NA	Water	7470A	
MB 180-311813/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-311813/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-103951-C-4-H MS	Matrix Spike	Dissolved	Water	7470A	311533
180-103951-C-4-I MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	311533

### Analysis Batch: 311830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	EPA 7470A	311685
180-103891-2	FB-1(C3)	Total/NA	Water	EPA 7470A	311685
180-103891-3	GWA-43	Total/NA	Water	EPA 7470A	311685
180-103891-4	GWA-44	Total/NA	Water	EPA 7470A	311685
180-103891-5	EB-1(C3)	Total/NA	Water	EPA 7470A	311685
180-103892-1	GWA-41	Total/NA	Water	EPA 7470A	311685
180-103892-2	FD-1(C3)	Total/NA	Water	EPA 7470A	311685
MB 180-311685/1-A	Method Blank	Total/NA	Water	EPA 7470A	311685
LCS 180-311685/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311685
180-103890-B-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	311685
180-103890-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	311685

### Prep Batch: 311869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-7	GWC-37	Total Recoverable	Water	3005A	
180-104110-8	GWC-38	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	

### Analysis Batch: 311939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	EPA 7470A	311813
180-103978-2	GWA-42	Total/NA	Water	EPA 7470A	311813
180-103978-3	GWA-54	Total/NA	Water	EPA 7470A	311813
180-103978-4	FB-2 (C3)	Total/NA	Water	EPA 7470A	311813
180-103978-5	EB-2 (C3)	Total/NA	Water	EPA 7470A	311813
MB 180-311813/1-A	Method Blank	Total/NA	Water	EPA 7470A	311813
LCS 180-311813/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	311813
180-103951-C-4-H MS	Matrix Spike	Dissolved	Water	EPA 7470A	311813
180-103951-C-4-I MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 7470A	311813

### Prep Batch: 311986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	7470A	
180-104109-2	FD-2	Total/NA	Water	7470A	
180-104110-1	GWC-31	Total/NA	Water	7470A	
180-104110-2	GWC-32	Total/NA	Water	7470A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Metals (Continued)

### Prep Batch: 311986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-3	GWC-33	Total/NA	Water	7470A	
180-104110-4	GWC-34	Total/NA	Water	7470A	
180-104110-5	GWC-35	Total/NA	Water	7470A	
180-104110-6	GWC-36	Total/NA	Water	7470A	
180-104110-7	GWC-37	Total/NA	Water	7470A	
180-104110-8	GWC-38	Total/NA	Water	7470A	

### Analysis Batch: 312179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	EPA 7470A	311986
180-104109-2	FD-2	Total/NA	Water	EPA 7470A	311986
180-104110-1	GWC-31	Total/NA	Water	EPA 7470A	311986
180-104110-2	GWC-32	Total/NA	Water	EPA 7470A	311986
180-104110-3	GWC-33	Total/NA	Water	EPA 7470A	311986
180-104110-4	GWC-34	Total/NA	Water	EPA 7470A	311986
180-104110-5	GWC-35	Total/NA	Water	EPA 7470A	311986
180-104110-6	GWC-36	Total/NA	Water	EPA 7470A	311986
180-104110-7	GWC-37	Total/NA	Water	EPA 7470A	311986
180-104110-8	GWC-38	Total/NA	Water	EPA 7470A	311986

### Analysis Batch: 312220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-7	GWC-37	Total Recoverable	Water	EPA 6020B	311869
180-104110-8	GWC-38	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

### Analysis Batch: 312766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total Recoverable	Water	EPA 6020B	311483
180-103891-2	FB-1(C3)	Total Recoverable	Water	EPA 6020B	311483
180-103891-3	GWA-43	Total Recoverable	Water	EPA 6020B	311483
180-103891-4	GWA-44	Total Recoverable	Water	EPA 6020B	311483
180-103891-5	EB-1(C3)	Total Recoverable	Water	EPA 6020B	311483
180-103892-1	GWA-41	Total Recoverable	Water	EPA 6020B	311483
180-103892-2	FD-1(C3)	Total Recoverable	Water	EPA 6020B	311483
MB 180-311483/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311483
LCS 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483
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 180-311483/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311483

### Analysis Batch: 312927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-1	GWC-31	Total Recoverable	Water	EPA 6020B	311753
180-104110-2	GWC-32	Total Recoverable	Water	EPA 6020B	311753

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Metals (Continued)

### Analysis Batch: 312927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-3	GWC-33	Total Recoverable	Water	EPA 6020B	311753
180-104110-4	GWC-34	Total Recoverable	Water	EPA 6020B	311753
180-104110-5	GWC-35	Total Recoverable	Water	EPA 6020B	311753
180-104110-6	GWC-36	Total Recoverable	Water	EPA 6020B	311753
LCS 180-311753/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311753

### Analysis Batch: 312934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104110-7	GWC-37	Total Recoverable	Water	EPA 6020B	311869
180-104110-8	GWC-38	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

### Analysis Batch: 312937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-311753/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311753

### Analysis Batch: 313035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total Recoverable	Water	EPA 6020B	311519
180-103978-2	GWA-42	Total Recoverable	Water	EPA 6020B	311519
180-103978-3	GWA-54	Total Recoverable	Water	EPA 6020B	311519
180-103978-4	FB-2 (C3)	Total Recoverable	Water	EPA 6020B	311519
180-103978-5	EB-2 (C3)	Total Recoverable	Water	EPA 6020B	311519

### Analysis Batch: 313140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total Recoverable	Water	EPA 6020B	311753
180-104109-2	FD-2	Total Recoverable	Water	EPA 6020B	311753
180-104110-1	GWC-31	Total Recoverable	Water	EPA 6020B	311753
180-104110-2	GWC-32	Total Recoverable	Water	EPA 6020B	311753
180-104110-3	GWC-33	Total Recoverable	Water	EPA 6020B	311753
180-104110-4	GWC-34	Total Recoverable	Water	EPA 6020B	311753
180-104110-5	GWC-35	Total Recoverable	Water	EPA 6020B	311753
180-104110-6	GWC-36	Total Recoverable	Water	EPA 6020B	311753

### Analysis Batch: 314621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-4	FB-2 (C3)	Total Recoverable	Water	EPA 6020B	311519

## General Chemistry

### Analysis Batch: 310953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103892-1	GWA-41	Total/NA	Water	SM 2540C	
180-103892-2	FD-1(C3)	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	
180-103893-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## General Chemistry

### Analysis Batch: 311080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	SM 2540C	
180-103891-2	FB-1(C3)	Total/NA	Water	SM 2540C	
180-103891-4	GWA-44	Total/NA	Water	SM 2540C	
180-103891-5	EB-1(C3)	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-A-1 DU	Duplicate	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
180-103891-3	GWA-43	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	
180-103891-3 DU	GWA-43	Total/NA	Water	SM 2540C	

### Analysis Batch: 311206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	SM 2540C	
180-103978-2	GWA-42	Total/NA	Water	SM 2540C	
180-103978-3	GWA-54	Total/NA	Water	SM 2540C	
180-103978-4	FB-2 (C3)	Total/NA	Water	SM 2540C	
180-103978-5	EB-2 (C3)	Total/NA	Water	SM 2540C	
MB 180-311206/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311206/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-103969-A-6 DU	Duplicate	Total/NA	Water	SM 2540C	

### Analysis Batch: 311642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	SM 2540C	
180-104109-2	FD-2	Total/NA	Water	SM 2540C	
180-104110-1	GWC-31	Total/NA	Water	SM 2540C	
180-104110-2	GWC-32	Total/NA	Water	SM 2540C	
180-104110-3	GWC-33	Total/NA	Water	SM 2540C	
180-104110-4	GWC-34	Total/NA	Water	SM 2540C	
180-104110-5	GWC-35	Total/NA	Water	SM 2540C	
180-104110-6	GWC-36	Total/NA	Water	SM 2540C	
180-104110-7	GWC-37	Total/NA	Water	SM 2540C	
180-104110-8	GWC-38	Total/NA	Water	SM 2540C	
MB 180-311642/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311642/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-104110-5 DU	GWC-35	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 310781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	Field Sampling	
180-103891-3	GWA-43	Total/NA	Water	Field Sampling	
180-103891-4	GWA-44	Total/NA	Water	Field Sampling	
180-103892-1	GWA-41	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-1

## Field Service / Mobile Lab

### Analysis Batch: 311154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	Field Sampling	
180-103978-2	GWA-42	Total/NA	Water	Field Sampling	
180-103978-3	GWA-54	Total/NA	Water	Field Sampling	

### Analysis Batch: 311585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	Field Sampling	
180-104110-1	GWC-31	Total/NA	Water	Field Sampling	
180-104110-2	GWC-32	Total/NA	Water	Field Sampling	
180-104110-3	GWC-33	Total/NA	Water	Field Sampling	
180-104110-4	GWC-34	Total/NA	Water	Field Sampling	
180-104110-5	GWC-35	Total/NA	Water	Field Sampling	
180-104110-6	GWC-36	Total/NA	Water	Field Sampling	
180-104110-7	GWC-37	Total/NA	Water	Field Sampling	
180-104110-8	GWC-38	Total/NA	Water	Field Sampling	

Client Contact			Regulatory Programs: <input type="checkbox"/> air <input type="checkbox"/> water <input type="checkbox"/> soil <input type="checkbox"/> other			Date: 3/20/20		COC No:												
Joju Abraham			Project Manager: Dawn Freil Tel/Fax: 348-338-3445			Site Contact: Chris Fittwell		1__ of __ COCs												
Southern Company			Analysis Turnaround Time			Lab Contact: Vanessa Bontol														
241 Ruff Mill Rd SE 303185			<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 3 days <input type="checkbox"/> 1 day																	
Atlanta, GA 30328			TOC different from below ____%+/-																	
Project Name: COB - Plant Scherer Ash Pond																				
State: Georgia																				
P O # 1501804																				
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Matrix Cont.	1	2	3	4	5	6	7	8	9	10	11	12	13	Sample Specific Notes
OWA-45	3/20/2020	9:30	G	Water	3		X	X	X	X										pH = 8.78
FB-1(C2)	3/20/2020	9:30	G	Water	3		X	X	X	X										pH = 6.38
OWA-43	3/20/2020	11:00	G	Water	3		X	X	X	X										pH = 6.58; Extra Radium
OWA-44	3/20/2020	09:04	G	Water	4		X	X	X	X										
FB-1(C3)	3/20/2020	11:20	G	Water	3		X	X	X	X										
190-103891 Chain of Custody																				
Preservation Used: In Ice, In HCl, In HNO3, In H2SO4, In HClO4, In NaOH, In Other																				
Possible Hazard Identification: Are any samples from a listed EPA hazardous waste? Please list any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Biohazard <input type="checkbox"/> Disinfectant <input type="checkbox"/> See Inset Special Instructions/Requirements & Comments:																				
Sample Disposed (A fee may be assessed if samples are retained longer than 1 month)																				
Returned to Client							Disposed by Lab							Months						
Custody Seal Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No:			Cooler Temp. (°C):			Cont:			Team ID No:								
Inspected by: <u>Chris Toland</u>			Company: <u>Brooks</u>			Date/Time: <u>3-20-20</u>			Received by: <u>[Signature]</u>			Company: <u>Courtesy</u>			Date/Time: <u>3-20-20</u>					
Authenticated by: <u>[Signature]</u>			Company: <u>Brooks</u>			Date/Time: <u>3-20-20</u>			Authenticated by: <u>[Signature]</u>			Company: <u>ET/ABH</u>			Date/Time: <u>3-21-20</u>					
Authenticated by: <u>[Signature]</u>			Company: <u>Brooks</u>			Date/Time: <u>3-20-20</u>			Authenticated by: <u>[Signature]</u>			Company: <u>Courtesy</u>			Date/Time: <u>3-21-20</u>					



**TestAmerica Pittsburgh**  
 301 Alpha Drive  
 P.O. Box 180  
 Pittsburgh, PA 15236-0180  
 Phone 412 683 7058 Fax 412 683 3468

### Chain of Custody Record

**TestAmerica**  
 681-Atlanta  
 301 Alpha Drive  
 Pittsburgh, PA 15236-0180  
 Phone 412 683 7058 Fax 412 683 3468

Client Contact: **City of Atlanta**  
 Project Manager: **Down Ford**  
 Regulatory Program:  Air  Ground  Sediment  Sludge  Other

Site Contact: **Chris Trudell**  
 Lab Contact: **Veronica Bortol**  
 Date: **3/15/20**  
 Carrier: \_\_\_\_\_

Lab No: **0088-41**  
 of **1** COCs

Analyst: **Chris Trudell**  
 Per Lab Use Only  
 Analytical Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_

Job / SOG No.: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (Matrix)	# of Matrix Cont.	Retention	Analysis	Method	Equipment	Reagents	QC	Notes
0088-41	3/15/2020	15:05	G Water	3	X	X	X	X	X	X	Sample Specific Notes:
FD-1(C3)	-	-	G Water	3	X	X	X	X	X	X	24 = 6.5
			G Water	4	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	
			G Water	3	X	X	X	X	X	X	

Preservation Used: 1 = Ice, 2 = H2SO4, 4 = HNO3, 4 = HF, 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.  
 Comments Section if the lab is to dispose of the sample.  
 Not Listed  
 Reported  
 Not Listed  
 Special Instructions/Requirements & Comments: \_\_\_\_\_

Returned to Client  Dispatch to Lab  Dispatch to Lab  Hold for \_\_\_\_\_ Month

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

Received by: **Chris Trudell** Date Time: **3-20-20 4:00**

Relinquished by: **Down Ford** Date Time: **3-20-20 9:00**

Received by: **Veronica Bortol** Date Time: **3-20-20 9:00**

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

Form No. CA-C-001-001, Rev. 4.08, dated 2/23/01

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact: **John Abraham**  
 Southern Company  
 341 Ralph McGill Blvd SE, B 10116  
 Atlanta, GA 30339  
 Project Name: **COG - Plant Scherer Ash Pond**  
 Site: **Georgia**  
 P O B 1801884

Regulatory Program:  CER  RCRA  SDWA  Other  
 Project Manager: **Dawn Fiedl**  
 Test #/Lot: **249-129-1448**

Site Contact: **Chris Tidwell**  
 Lab Contact: **Veronica Borhof**  
 Date: **3/23/20**  
 Carrier: **Carrier**

COG No: \_\_\_\_\_  
 Sampler: \_\_\_\_\_ of \_\_\_\_\_ COGs  
 For Lab Use Only:  
 Make-in Client: \_\_\_\_\_  
 Lab Sampling: \_\_\_\_\_  
 Job / SOG No.: \_\_\_\_\_

Sample ID	Sample Date	Sample Time	Sample Type primary, secondary, or other	Matrix	# of Containers	Chain of Custody			
						1	2	3	4
COG-29	3/23/20	12:58	G	Water	2	X	X	X	X
COG-31	3/23/20	13:17	G	Water	4	X	X	X	X
COG-34	3/23/20	14:50	G	Water	2	X	X	X	X
FB-1031	3/23/20	14:30	G	Water	2	X	X	X	X
FB-1032	3/23/20	12:40	G	Water	2	X	X	X	X

Sample Specifics/Notes:  
 pH: 6.80  
 pH: 6.26, Extra Padium  
 pH: 7.08

Barcode:   
 180-100028 Chain of Custody

Preservation Used:  Ice,  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.

Special Instructions/OC Requirements & Comments:  
 No-Heat  Separate  See Inlet  Unknown  
 Return to Client  Dispose to Lab  Archive to \_\_\_\_\_

Custody Seal No.: \_\_\_\_\_  
 Inspected by: **John Abraham**  
 Transmitted by: **Veronica Borhof**

Company: **Southern**  
 Date: **3/23/20**  
 Time: **12:58**  
 Location: **Plant Scherer Ash Pond**

Carrier: **Carrier**  
 Driver: **Retaine Cook**  
 Trip #: **3-21-20-0909**  
 Date: **3/24/20**  
 Time: **9:49**

Form No. CA-CO-002, Rev. 4.26, dated 3/26/2019

Regulatory Program:  Air  Metals  PCBs  Other

Project Manager: Dawn Prall  
Tel/Fax: 248-536-8445

Analysis Turnaround Time  
 2 weeks  
 1 week  
 3 days  
 1 day

Tell if different from below:  3-8 days

Client Contact: Jojo Abraham  
Southern Company  
241 Ralph McGill Blvd SE, B10185  
Atlanta, GA 30308

Project Name: CCR - Plant Scherer Ash Pond  
State: Georgia  
P.O.# 1807864

Site Contact: Chris Tidwell  
Lab Contact: Veronica Borhof

Date: 3/27/20  
Carrier:   
COCs No: 1 of 1 COCs

Sampler: For Lab Use Only  
Original Client:   
Lab Stamping:   
Job / SOCs No.:   
pH: 8.28

Sample Specifics/Notes:   
180-104108 Chain of Custody

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Matrix Com.	Analysis	Disposition	Analysis for	Months
30710200	8:08	0	Water	Water	3	X	X	X	X
						X	X	X	X
						X	X	X	X

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

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

Sealed  Recycled  Rejected

Special Instructions/QC Requirements & Comments:

Custody Seal No.:   
Sealed by:   
Sealed on: 3-27-20  
Sealed Time: 11:30 AM

Received by:   
Received on: 3-23-20  
Received Time: 3:20 PM

Company:   
Company:   
Company:

Received in Laboratory by:   
Received on: 3-23-20  
Received Time: 3:20 PM

Company:   
Company:   
Company:

Team ID No.:   
Date/Time: 3/27/20  
Date/Time: 3/23/20  
Date/Time: 3/23/20

Regulatory Program:  Air  Water  SO<sub>2</sub>  SO<sub>x</sub>  Other

Project Manager: Dawn Prall  
Tel/Fax: 348-534-5445

Client Contact: Jojo Abraham  
Southern Company  
241 Ralph McGill Blvd SE, B10105  
Atlanta, GA 30328

Project Name: OCR - Plant Scherer Ash Pond  
Site: Georgia  
P.O. # 15074884

Site Contact: Chris Tidwell  
Lab Contact: Veronica Bortol

Date: 3/26/20  
Carrier:

COC No. 1 of 1 COCs

Sampler: For Lab Use Only  
Wash in Client Lab Sampling

Job/LMO No.:

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., water, soil)	Matrix	# of Matrix Cont.	1	2	3	4	5	6	7	8	9	10	11	12	13	
GW-C-31	3/26/2020	15:42	G	Water	3	X	X	X	X										
GW-C-32	3/26/2020	11:31	G	Water	3	X	X	X	X										
GW-C-33	3/26/2020	11:29	G	Water	3	X	X	X	X										
GW-C-34	3/26/2020	10:30	G	Water	3	X	X	X	X										
GW-C-35	3/26/2020	09:03	G	Water	3	X	X	X	X										
GW-C-36	3/26/2020	10:02	G	Water	3	X	X	X	X										
GW-C-37	3/26/2020	10:40	G	Water	3	X	X	X	X										
GW-C-38	3/26/2020	09:19	G	Water	3	X	X	X	X										

Preservation Used: 1= Ice, 2= RCS, 3= RB204, 4=RB03, 5=MuOH, 6= Other

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

Not Hazard  Potentially  Not Hazard

Special Instructions/OC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are not):

Return to Client  Destroyed by Lab  Archive by months

180-104110 Chain of Custody

Custody Seal No.:  
Company: Southern Company  
Date/Time: 3/26/20 14:23

Retrieved by: Veronica Bortol  
Company: Southern Company  
Date/Time: 3/27/20 14:27

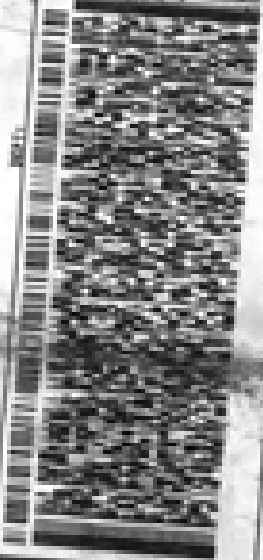
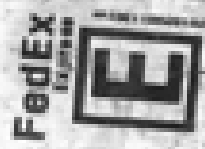
Approved by: [Signature]  
Company: TestAmerica  
Date/Time: 3/27/20 10:30

Received by Laboratory: [Signature]  
Company: [Signature]  
Date/Time: 3/27/20 10:30



SHIP DATE: 03/19/20  
SHIP TIME: 10:30A  
CITY: PITTSBURGH  
STATE: PA  
ZIP: 15238  
BILL TO: PARTY

TO: SHALI BROWN  
EUROFINS TEST AMERICA  
301 ALPHA DR RIDG PARK  
PITTSBURGH PA 15238

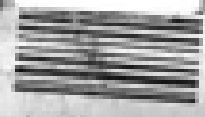


THU - 19 MAR 10:30A  
PRIORITY OVERNIGHT  
AHS  
15238  
PIT

3912 2002 4924

NA AGCA

Uncorrected temp  
Thermometer ID  
CF  Initials JD



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Environment Testing  
TestAmerica

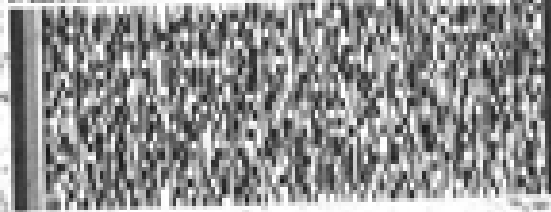
SHIP TO: 15170 15170  
EUROFINS TESTAMERICA  
3000 MCCORMACK DRIVE  
SUITE 5-10  
PITTSBURGH PA 15238  
UNITED STATES US

SHIP DATE: 5/11/20  
ACTIVITY BY: 5/11/20  
CART: 808118-001

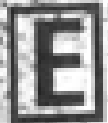
BILL RECEIPT

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

(412) 943-7008  
REF: GOLDR



FedEx



3 of 3

MPN: 1516 9323 2156  
Matr# 1516 9323 2134

SATURDAY 12:00P  
PRIORITY OVERNIGHT

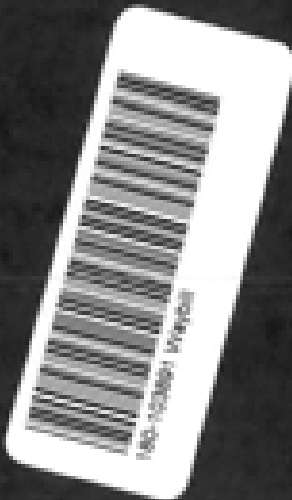
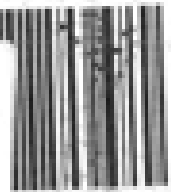
**XO AGCA**

15238  
PIT

Uncorrected temp 1.6  
Thermometer ID 17

CF 0 Initials J

PT 001-001-001 effective 11/01/18



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Environment Testing  
TestAmerica

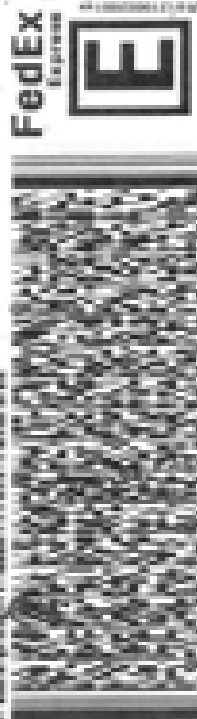
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SHIP DATE: 05/11/2020  
ACTUAL SHIP DATE: 05/11/2020  
CARRIER: TESTAMERICA  
CARTON: 001114-001001010  
UNIT: C-10  
ADDRESS: 301 30000  
CITY: PITTSBURGH PA  
UNITED STATES US

SHIP DATE: 05/11/2020  
ACTUAL SHIP DATE: 05/11/2020  
CARRIER: TESTAMERICA  
CARTON: 001114-001001010

BILL RECEIPT

19 SAMPLE RECEIVING

EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
1403 963-7068  
REF: GOLDBER



1 of 3  
INQ# 1516 9323 2134  
REF MASTER #  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

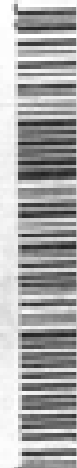
15238  
PIT

Unconnected temp  
Thermometer ID

PA-US 15238  
13

CF  Initials TS

PT 00-00-001 effective 1/1/19



Environment Testing  
TestAmerica

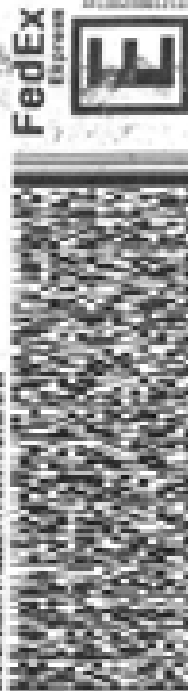
ORDER: 1011178 (878) 888-8888  
SHIP DATE: 05/11/2020  
ACTUAL SHIP DATE: 05/11/2020  
CARRIER: TESTAMERICA  
CARTON: 001114-001001010  
UNIT: C-10  
ADDRESS: 301 30000  
CITY: PITTSBURGH PA  
UNITED STATES US

SHIP DATE: 05/11/2020  
ACTUAL SHIP DATE: 05/11/2020  
CARRIER: TESTAMERICA  
CARTON: 001114-001001010

BILL RECEIPT

SAMPLE RECEIVING

EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
1403 963-7068  
REF: GOLDBER



2 of 3  
INQ# 1516 9323 2145  
REF 1516 9323 2134  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

15238  
PIT

Unconnected temp  
Thermometer ID

PA-US 15238  
13

CF  Initials TS

PT 00-00-001 effective 1/1/19



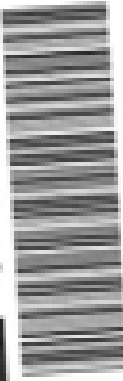
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Environment Testing  
TestAmerica

ORDER DOLLARS (800) 968-8881  
ORDER PAYOR  
1500 W. TRINITY DRIVE  
PITTSBURGH, PA 15238

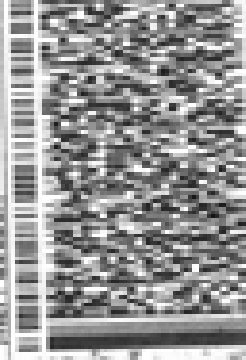
SHIP DATE: 5/11/2020  
SHIP TO: 15238  
BILL RECEIPT#:



EVING  
TESTAMERICA PITTSBURGH

PITTSBURGH PA 15238

412 968-2000  
ATTN: GOLDFE



FedEx  
Address



3 of 3  
NPN# 1516 9323 2156  
Master# 1516 9323 2134

**XO AGCA**

SATURDAY 12:00P  
PRIORITY OVERNIGHT

15238  
PA-38  
PIT

Unconnected Temp

Thermometer ID

CF 0

Initials IL

PT# 15238-001 (allows 11/20)



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Part # 15443-021 00 0000 00



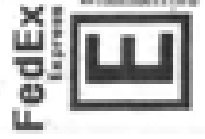
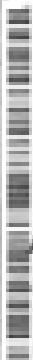
Environment Testing  
TestAmerica

ORDER QUALITY SERVICE 888-8888  
ORDER PARTS SERVICE 888-8888  
ORDER TEST MATERIALS SERVICE 888-8888  
ORDER LABORATORY SERVICE 888-8888  
ORDER CALIBRATION SERVICE 888-8888  
ORDER REPAIR SERVICE 888-8888  
ORDER TRAINING SERVICE 888-8888  
ORDER CONSULTING SERVICE 888-8888  
ORDER SOFTWARE SERVICE 888-8888  
ORDER EQUIPMENT SERVICE 888-8888  
ORDER SUPPLIES SERVICE 888-8888  
ORDER SERVICES SERVICE 888-8888

SHIP DATE: 05/11/2020  
ACTUAL DATE: 05/11/2020  
CARRIER: FEDEX

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

REF: GOLDBER



1 of 3  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

TRAK 1516 9323 2134  
#0 MASTER #0

XO AGCA 15238

Uncorrected temp 4.3 °C  
Thermometer ID J7

CF Initials J7

PT-00-00-01 effective 11/07/18



Part # 15443-021 00 0000 00



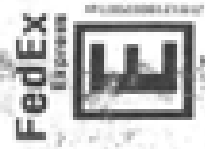
Environment Testing  
TestAmerica

ORDER QUALITY SERVICE 888-8888  
ORDER PARTS SERVICE 888-8888  
ORDER TEST MATERIALS SERVICE 888-8888  
ORDER LABORATORY SERVICE 888-8888  
ORDER CALIBRATION SERVICE 888-8888  
ORDER REPAIR SERVICE 888-8888  
ORDER TRAINING SERVICE 888-8888  
ORDER CONSULTING SERVICE 888-8888  
ORDER SOFTWARE SERVICE 888-8888  
ORDER EQUIPMENT SERVICE 888-8888  
ORDER SUPPLIES SERVICE 888-8888  
ORDER SERVICES SERVICE 888-8888

SHIP DATE: 05/11/2020  
ACTUAL DATE: 05/11/2020  
CARRIER: FEDEX

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

REF: GOLDBER



2 of 3  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

TRAK 1516 9323 2145  
#0001

XO AGCA 15238

Uncorrected temp 4.3 °C  
Thermometer ID J7

CF Initials J7

PT-00-00-01 effective 11/07/18



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Environment Testing  
TestAmerica

SHIP DATE: 03/23/20  
ACTIVITY: 03/23/20  
CITY: PITTSBURGH  
STATE: PA

SHIP DATE: 03/23/20  
ACTIVITY: 03/23/20  
CITY: PITTSBURGH  
STATE: PA

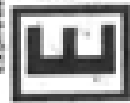
BILL RECEIPT

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

152 MAR 2020  
REF: GOLDBER - SCHREIBER



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Express

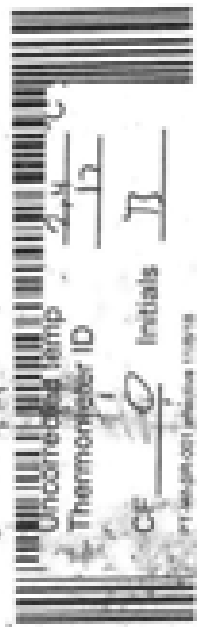


1 of 2  
1516 9323 2218  
WED - 25 MAR 3:00P  
STANDARD OVERNIGHT

RF MASTER #

NA AGCA

152  
PA-US F



Uncorrected temp  
Thermometer ID

CF 0 Initials JB

PT 000001 000001 000001

52730  
0922

0031  
1  
97



TestAmerica

SHIP DATE: 03/23/20  
ACTIVITY: 03/23/20  
CITY: PITTSBURGH  
STATE: PA

SHIP DATE: 03/23/20  
ACTIVITY: 03/23/20  
CITY: PITTSBURGH  
STATE: PA

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

152 MAR 2020  
REF: GOLDBER - SCHREIBER



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Express

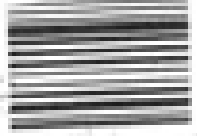


2 of 2  
1516 9323 2259  
WED - 25 MAR 3:00P  
STANDARD OVERNIGHT

1516 9323 2248

NA AGCA

15238  
PA-US PIT



Uncorrected temp  
Thermometer ID

CF 0 Initials JB

PT 000001 000001 000001



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Environment  
TestAmerica

1200

639

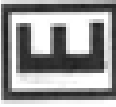
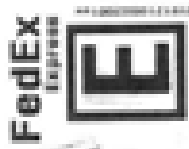
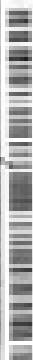
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SUITE 510  
PITTSBURGH, PA 15238  
UNITED STATES US

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SHIP TO: 639  
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EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

SHIP TO: 639  
REF. SOUTHERN 90



3 of 4  
1516 9323 2487  
Metric 1516 9323 2485

XO AGCA

15238  
PA-US  
PIT

UNconnected Temp  
Thermometer ID 639/17  
CF 0 Initials D  
PT 1516 9323 2485 (Metric)



Environment Testing  
TestAmerica

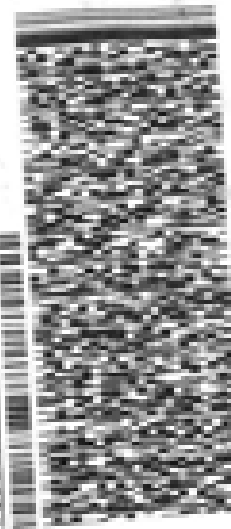
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EUROFINS TESTAMERICA  
3001 ALPHABET DRIVE  
SUITE 510  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 05/11/20  
SHIP TO: 639  
CALL 800-888-8888

BILL RECIPIENT

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

SHIP TO: 639  
REF. SOUTHERN 90



4 of 4  
1516 9323 2498  
Metric 1516 9323 2485

XO A

15238  
PA-US  
PIT

UNconnected Temp  
Thermometer ID 639/17  
CF 0 Initials D  
PT 1516 9323 2485 (Metric)

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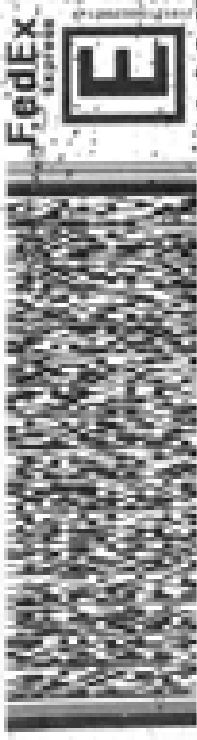
Environment Testing  
TestAmerica

ORDER CALLER (678) 866-8881  
SHIP DATE: 05/11/20  
SHIP TO: 301 ALPHA DR  
EUROFINS TESTAMERICA  
301 ALPHADRIVE  
SUITE 300  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 05/11/20  
SHIP TO: 301 ALPHA DR  
EUROFINS TESTAMERICA  
301 ALPHADRIVE  
SUITE 300  
PITTSBURGH, PA 15238  
UNITED STATES US

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(470) 866-7000  
REF: SOUTHERN CO

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(470) 866-7000  
REF: SOUTHERN CO



1 of 4  
TMA 1516 9323 2465 SATURDAY 12:00P  
# MASTER # PRIORITY OVERNIGHT 15238  
PA-US PIT

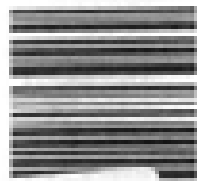
2 of 4  
TMA 1516 9323 2476 SATURDAY 12:00P  
# MASTER # PRIORITY OVERNIGHT 15238  
PA-US PIT

XO AGCA

XO AGCA

Uncorrected temp 4.1 °C  
Thermometer ID 17  
CF 0 Initials IS  
PT-100-001-001-001-001-001

uncorrected temp 4.1 °C  
Thermometer ID 17  
CF 0 Initials IS  
PT-100-001-001-001-001-001



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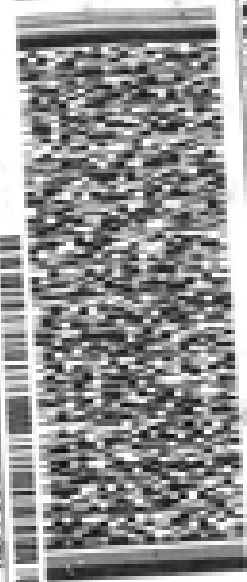


Environment Testing  
TestAmerica

ORDER 1516 9323 2498  
SHIP DATE: 05/11/2020  
SHIP TO: 1516 9323 2498  
SHIP FROM: 1516 9323 2498  
SHIP TO: 1516 9323 2498  
SHIP FROM: 1516 9323 2498  
SHIP TO: 1516 9323 2498  
SHIP FROM: 1516 9323 2498  
SHIP TO: 1516 9323 2498

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

REF: SOUTHERN CO



4 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

MPN 1516 9323 2498  
Matr# 1516 9323 2498

15238  
PIT

**X0 A**  
Unconnected Temp  
Thermometer ID  
CF          Initials         



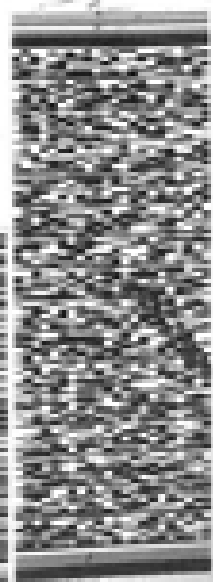
Environment  
TestAmeri

639

ORDER 1516 9323 2487  
SHIP DATE: 05/11/2020  
SHIP TO: 1516 9323 2487  
SHIP FROM: 1516 9323 2487  
SHIP TO: 1516 9323 2487  
SHIP FROM: 1516 9323 2487  
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SHIP FROM: 1516 9323 2487  
SHIP TO: 1516 9323 2487

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

REF: SOUTHERN CO

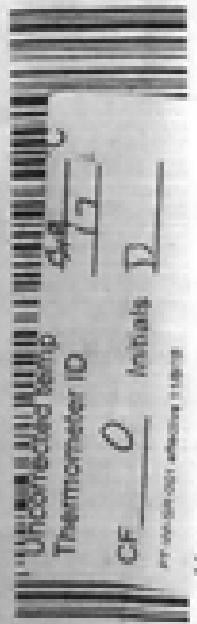


3 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

MPN 1516 9323 2487  
Matr# 1516 9323 2487

15238  
PIT

**X0 AGCA**  
Unconnected Temp  
Thermometer ID  
CF          Initials         



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Environment Testing  
TestAmerica

ORDER (DOLLARS) (678) 966-9991  
SHIP DATE: 05/11/2020  
ACTIVITY IS TO THE  
COURT-ESTABLISHED  
SHIP DATE: 05/11/2020  
ACTIVITY IS TO THE  
COURT-ESTABLISHED

SHIP DATE: 05/11/2020  
ACTIVITY IS TO THE  
COURT-ESTABLISHED

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(412) 966-7004  
REF: SOUTHERN CO

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
(412) 966-7004  
REF: SOUTHERN CO



FedEx  
Express



1 of 4  
TMA 1516 9323 2465  
REF MASTER #

2 of 4  
TMA 1516 9323 2476  
REF MASTER #

SATURDAY 12:00P  
PRIORITY OVERNIGHT  
15238  
PA-US  
PIT

SATURDAY 12:00P  
PRIORITY OVERNIGHT  
15238  
PA-US  
PIT

Uncorrected temp  
Thermometer ID

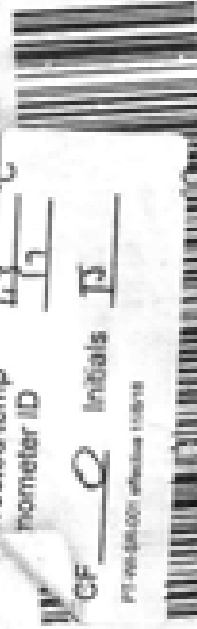
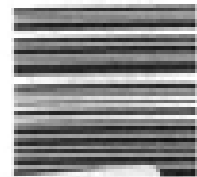
411  
117

CF 0 Initials T

CF 0 Initials T

PI-966-0001 effective 1/28/19

PI-966-0001 effective 1/28/19



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- 13



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-1

**Login Number: 103891**

**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: 180-103891-1

**Login Number: 103892**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-1

**Login Number: 103978**

**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	



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-1

**Login Number: 104109**

**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: 180-103891-1

**Login Number: 104110**

**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: 180-103891-2  
Client Project/Site: Plant Scherer Cell 3

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

Attn: Ms. Lauren Petty



Authorized for release by:  
5/12/2020 3:06:22 PM

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

### LINKS

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

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

PA Lab ID: 02-00416



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	5
Certification Summary . . . . .	6
Sample Summary . . . . .	7
Method Summary . . . . .	8
Lab Chronicle . . . . .	9
Client Sample Results . . . . .	16
QC Sample Results . . . . .	30
QC Association Summary . . . . .	36
Chain of Custody . . . . .	38
Receipt Checklists . . . . .	52

# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Job ID: 180-103891-2

Laboratory: Eurofins TestAmerica, Pittsburgh

### Narrative

#### Job Narrative 180-103891-2

### Comments

No Comments

### Receipt

The samples were received on 3/21/2020 9:00 AM, 3/25/2020 9:30 AM and 3/28/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 16 coolers at receipt time were 1.0° C, 1.0° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.3° C, 1.6° C, 1.8° C, 1.8° C, 2.4° C, 3.9° C, 3.9° C, 4.1° C and 4.1° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custodies

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FD-2 (180-104109-2). The container labels list a sample id of FD-2(C3), while the COC lists FD-2. The sample listed on the COC was used.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no sample collection date listed on the COC for the following sample; however it was on the label. TALS will be listed as 0000. FD-2 (180-104109-2).

### RAD

Methods 903.0, 9315: Ra-226 Prep Batch 160-465545

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-41 (180-103892-1), FD-1(C3) (180-103892-2), (LCS 160-465545/1-A), (LCSD 160-465545/2-A) and (MB 160-465545/23-A)

Methods 903.0, 9315: Ra-226 Prep Batch 160-465586

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-40 (180-103891-1), FB-1(C3) (180-103891-2), GWA-43 (180-103891-3), GWA-44 (180-103891-4), EB-1(C3) (180-103891-5), (LCS 160-465586/1-A) and (MB 160-465586/20-A)

Methods 903.0, 9315: Ra-226 Prep Batch 160-466129

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-39 (180-103978-1), GWA-42 (180-103978-2), GWA-54 (180-103978-3), FB-2 (C3) (180-103978-4), EB-2 (C3) (180-103978-5), (LCS 160-466129/1-A) and (MB 160-466129/23-A)

Methods 903.0, 9315: Ra-226 Prep Batch 160-466707

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWC-30 (180-104109-1), FD-2 (180-104109-2), GWC-31 (180-104110-1), GWC-32 (180-104110-2), GWC-33 (180-104110-3), GWC-34 (180-104110-4), GWC-35 (180-104110-5), GWC-36 (180-104110-6), GWC-37 (180-104110-7), GWC-38 (180-104110-8), (LCS 160-466707/1-A), (MB 160-466707/23-A), (180-104108-A-2-A) and (180-104108-A-2-B DU)

Method 9320: Radium-228 Prep Batch 160-465549

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-41 (180-103892-1), FD-1(C3) (180-103892-2), (LCS 160-465549/1-A), (LCSD 160-465549/2-A) and (MB 160-465549/23-A)

Methods 904.0, 9320: Ra-228 Prep Batch 160-466130



# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Job ID: 180-103891-2 (Continued)

### Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-39 (180-103978-1), GWA-42 (180-103978-2), GWA-54 (180-103978-3), FB-2 (C3) (180-103978-4), EB-2 (C3) (180-103978-5), (LCS 160-466130/1-A) and (MB 160-466130/23-A)

Methods 904.0, 9320: Ra-228 Prep Batch 160-466715

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWC-30 (180-104109-1), FD-2 (180-104109-2), GWC-31 (180-104110-1), GWC-32 (180-104110-2), GWC-33 (180-104110-3), GWC-34 (180-104110-4), GWC-35 (180-104110-5), GWC-36 (180-104110-6), GWC-37 (180-104110-7), GWC-38 (180-104110-8), (LCS 160-466715/1-A), (MB 160-466715/23-A), (180-104108-A-2-C) and (180-104108-A-2-D DU)

Methods 904.0, 9320: Radium-228 Prep Batch 160-465588

The laboratory control sample (LCS, 73%) failed below the lower limit of 75%. The MB, MS and MSD were within passing limits. The data has been reported with this narrative. (MB 160-465588/20-A)

Methods 904.0, 9320: Radium-228 Prep Batch 160-465588

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. (MB 160-465588/20-A)

Method 9320: Radium-228 Prep Batch 160-468908

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

GWA-40 (180-103891-1), FB-1(C3) (180-103891-2), GWA-43 (180-103891-3), GWA-44 (180-103891-4), EB-1(C3) (180-103891-5), (LCS 160-468908/1-A), (LCSD 160-468908/2-A) and (MB 160-468908/18-A)

Method PrecSep\_0: Radium 228 Prep Batch 160-465549:

Insufficient sample volume was available to perform a sample duplicate for the following samples: GWA-41 (180-103892-1) and FD-1(C3) (180-103892-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep\_0: Radium 228 Prep Batch 160-468908:

The following samples were prepared at a reduced aliquot due to limited volume: GWA-40 (180-103891-1), FB-1(C3) (180-103891-2), GWA-43 (180-103891-3), GWA-44 (180-103891-4) and EB-1(C3) (180-103891-5).

Method PrecSep\_0: Radium 228 Prep Batch 160-468908:

Insufficient sample volume was available to perform a sample duplicate (DUP) for the following samples: GWA-40 (180-103891-1), FB-1(C3) (180-103891-2), GWA-43 (180-103891-3), GWA-44 (180-103891-4) and EB-1(C3) (180-103891-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-465545:

Insufficient sample volume was available to perform a sample duplicate for the following samples: GWA-41 (180-103892-1) and FD-1(C3) (180-103892-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MQL	Method Quantitation Limit
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 3

Job ID: 180-103891-2

## 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

## Laboratory: Eurofins TestAmerica, St. Louis

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	68-00540	02-28-21

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
Ra226_Ra228		Water	Combined Radium 226 + 228



# Sample Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-103891-1	GWA-40	Water	03/20/20 09:35	03/21/20 09:00	
180-103891-2	FB-1(C3)	Water	03/20/20 09:30	03/21/20 09:00	
180-103891-3	GWA-43	Water	03/20/20 11:03	03/21/20 09:00	
180-103891-4	GWA-44	Water	03/20/20 09:04	03/21/20 09:00	
180-103891-5	EB-1(C3)	Water	03/20/20 11:20	03/21/20 09:00	
180-103892-1	GWA-41	Water	03/19/20 15:55	03/21/20 09:00	
180-103892-2	FD-1(C3)	Water	03/19/20 00:00	03/21/20 09:00	
180-103978-1	GWA-39	Water	03/23/20 12:58	03/25/20 09:30	
180-103978-2	GWA-42	Water	03/23/20 13:17	03/25/20 09:30	
180-103978-3	GWA-54	Water	03/23/20 14:50	03/25/20 09:30	
180-103978-4	FB-2 (C3)	Water	03/23/20 14:30	03/25/20 09:30	
180-103978-5	EB-2 (C3)	Water	03/23/20 12:40	03/25/20 09:30	
180-104109-1	GWC-30	Water	03/27/20 08:06	03/28/20 10:30	
180-104109-2	FD-2	Water	03/27/20 00:00	03/28/20 10:30	
180-104110-1	GWC-31	Water	03/26/20 15:42	03/28/20 10:30	
180-104110-2	GWC-32	Water	03/26/20 11:31	03/28/20 10:30	
180-104110-3	GWC-33	Water	03/26/20 11:25	03/28/20 10:30	
180-104110-4	GWC-34	Water	03/26/20 10:20	03/28/20 10:30	
180-104110-5	GWC-35	Water	03/26/20 09:03	03/28/20 10:30	
180-104110-6	GWC-36	Water	03/26/20 10:02	03/28/20 10:30	
180-104110-7	GWC-37	Water	03/26/20 10:40	03/28/20 10:30	
180-104110-8	GWC-38	Water	03/26/20 09:15	03/28/20 10:30	

# Method Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	TAL SL
9320	Radium-228 (GFPC)	SW846	TAL SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	TAL SL
PrecSep_0	Preparation, Precipitate Separation	None	TAL SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	TAL SL

#### Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

#### Laboratory References:

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: GWA-40

Date Collected: 03/20/20 09:35

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.90 mL	1.0 g	465586	03/26/20 06:31	RBR	TAL SL
Total/NA	Analysis	9315		1			468017	04/17/20 08:53	KRR	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			750.15 mL	1.0 g	468908	04/26/20 11:55	MNH	TAL SL
Total/NA	Analysis	9320		1			469160	04/29/20 07:31	AJD	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469178	04/29/20 13:41	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: FB-1(C3)

Date Collected: 03/20/20 09:30

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.08 mL	1.0 g	465586	03/26/20 06:31	RBR	TAL SL
Total/NA	Analysis	9315		1			468017	04/17/20 08:53	KRR	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			749.77 mL	1.0 g	468908	04/26/20 11:55	MNH	TAL SL
Total/NA	Analysis	9320		1			469160	04/29/20 07:31	AJD	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469178	04/29/20 13:41	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-43

Date Collected: 03/20/20 11:03

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.66 mL	1.0 g	465586	03/26/20 06:31	RBR	TAL SL
Total/NA	Analysis	9315		1			468017	04/17/20 08:53	KRR	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			750.51 mL	1.0 g	468908	04/26/20 11:55	MNH	TAL SL
Total/NA	Analysis	9320		1			469160	04/29/20 07:31	AJD	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469178	04/29/20 13:41	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWA-44

Date Collected: 03/20/20 09:04

Date Received: 03/21/20 09:00

## Lab Sample ID: 180-103891-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.70 mL	1.0 g	465586	03/26/20 06:31	RBR	TAL SL
Total/NA	Analysis	9315		1			468017	04/17/20 08:54	KRR	TAL SL
Instrument ID: GFPCRED										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWA-44**

**Lab Sample ID: 180-103891-4**

**Date Collected: 03/20/20 09:04**

**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	Prep	PrecSep_0			749.68 mL	1.0 g	468908	04/26/20 11:55	MNH	TAL SL
Total/NA	Analysis	9320		1			469160	04/29/20 07:31	AJD	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469178	04/29/20 13:41	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: EB-1(C3)**

**Lab Sample ID: 180-103891-5**

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

**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	Prep	PrecSep-21			1000.88 mL	1.0 g	465586	03/26/20 06:31	RBR	TAL SL
Total/NA	Analysis	9315		1			468017	04/17/20 08:54	KRR	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			750.39 mL	1.0 g	468908	04/26/20 11:55	MNH	TAL SL
Total/NA	Analysis	9320		1			469160	04/29/20 07:31	AJD	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469178	04/29/20 13:41	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-41**

**Lab Sample ID: 180-103892-1**

**Date Collected: 03/19/20 15:55**

**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	Prep	PrecSep-21			1000.15 mL	1.0 g	465545	03/25/20 12:24	RBR	TAL SL
Total/NA	Analysis	9315		1			467927	04/16/20 06:44	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.15 mL	1.0 g	465549	03/25/20 12:53	RBR	TAL SL
Total/NA	Analysis	9320		1			467710	04/14/20 13:39	AJD	TAL SL
Instrument ID: GFPCPROTEAN										
Total/NA	Analysis	Ra226_Ra228		1			467932	04/16/20 10:11	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

**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	Prep	PrecSep-21			1000.43 mL	1.0 g	465545	03/25/20 12:24	RBR	TAL SL
Total/NA	Analysis	9315		1			467927	04/16/20 06:44	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.43 mL	1.0 g	465549	03/25/20 12:53	RBR	TAL SL
Total/NA	Analysis	9320		1			467710	04/14/20 13:39	AJD	TAL SL
Instrument ID: GFPCPROTEAN										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

**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	Ra226_Ra228		1			467932	04/16/20 10:11	SMP	TAL SL

**Client Sample ID: GWA-39**

**Lab Sample ID: 180-103978-1**

**Date Collected: 03/23/20 12:58**

**Matrix: Water**

**Date Received: 03/25/20 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	PrecSep-21			999.74 mL	1.0 g	466129	03/30/20 18:01	MNH	TAL SL
Total/NA	Analysis	9315		1			468420	04/21/20 10:26	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.74 mL	1.0 g	466130	03/30/20 18:21	MNH	TAL SL
Total/NA	Analysis	9320		1			468134	04/20/20 17:45	KLS	TAL SL
Instrument ID: GFPCPROTEAN										
Total/NA	Analysis	Ra226_Ra228		1			468603	04/22/20 12:35	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-42**

**Lab Sample ID: 180-103978-2**

**Date Collected: 03/23/20 13:17**

**Matrix: Water**

**Date Received: 03/25/20 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	PrecSep-21			1000.77 mL	1.0 g	466129	03/30/20 18:01	MNH	TAL SL
Total/NA	Analysis	9315		1			468420	04/21/20 10:26	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.77 mL	1.0 g	466130	03/30/20 18:21	MNH	TAL SL
Total/NA	Analysis	9320		1			468134	04/20/20 17:46	KLS	TAL SL
Instrument ID: GFPCPROTEAN										
Total/NA	Analysis	Ra226_Ra228		1			468603	04/22/20 12:35	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: GWA-54**

**Lab Sample ID: 180-103978-3**

**Date Collected: 03/23/20 14:50**

**Matrix: Water**

**Date Received: 03/25/20 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	PrecSep-21			1000.90 mL	1.0 g	466129	03/30/20 18:01	MNH	TAL SL
Total/NA	Analysis	9315		1			468420	04/21/20 10:26	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.90 mL	1.0 g	466130	03/30/20 18:21	MNH	TAL SL
Total/NA	Analysis	9320		1			468147	04/20/20 17:49	KLS	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			468603	04/22/20 12:35	SMP	TAL SL
Instrument ID: NOEQUIP										



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: FB-2 (C3)

Lab Sample ID: 180-103978-4

Date Collected: 03/23/20 14:30

Matrix: Water

Date Received: 03/25/20 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	PrecSep-21			1000.60 mL	1.0 g	466129	03/30/20 18:01	MNH	TAL SL
Total/NA	Analysis	9315		1			468420	04/21/20 10:26	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.60 mL	1.0 g	466130	03/30/20 18:21	MNH	TAL SL
Total/NA	Analysis	9320		1			468147	04/20/20 17:49	KLS	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			468603	04/22/20 12:35	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: EB-2 (C3)

Lab Sample ID: 180-103978-5

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 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	PrecSep-21			999.50 mL	1.0 g	466129	03/30/20 18:01	MNH	TAL SL
Total/NA	Analysis	9315		1			468420	04/21/20 10:26	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.50 mL	1.0 g	466130	03/30/20 18:21	MNH	TAL SL
Total/NA	Analysis	9320		1			468147	04/20/20 17:49	KLS	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			468603	04/22/20 12:35	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-30

Lab Sample ID: 180-104109-1

Date Collected: 03/27/20 08:06

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.58 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.58 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: FD-2

Lab Sample ID: 180-104109-2

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.66 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: FD-2

## Lab Sample ID: 180-104109-2

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			999.66 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-31

## Lab Sample ID: 180-104110-1

Date Collected: 03/26/20 15:42

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.19 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.19 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-32

## Lab Sample ID: 180-104110-2

Date Collected: 03/26/20 11:31

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.40 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.40 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-33

## Lab Sample ID: 180-104110-3

Date Collected: 03/26/20 11:25

Matrix: Water

Date Received: 03/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.75 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.75 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: GWC-33

Date Collected: 03/26/20 11:25

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL

## Client Sample ID: GWC-34

Date Collected: 03/26/20 10:20

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.82 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:02	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.82 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-35

Date Collected: 03/26/20 09:03

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.42 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:03	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.42 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-36

Date Collected: 03/26/20 10:02

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.86 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:03	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.86 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468443	04/21/20 13:00	CJQ	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWC-37**

**Lab Sample ID: 180-104110-7**

**Date Collected: 03/26/20 10:40**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.18 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:03	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.18 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468448	04/21/20 12:56	CJQ	TAL SL
Instrument ID: GFPCPROTEAN										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-38**

**Lab Sample ID: 180-104110-8**

**Date Collected: 03/26/20 09:15**

**Matrix: Water**

**Date Received: 03/28/20 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.15 mL	1.0 g	466707	04/06/20 08:26	EJQ	TAL SL
Total/NA	Analysis	9315		1			469145	04/29/20 05:03	CJQ	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			999.15 mL	1.0 g	466715	04/06/20 08:45	EJQ	TAL SL
Total/NA	Analysis	9320		1			468448	04/21/20 12:56	CJQ	TAL SL
Instrument ID: GFPCPROTEAN										
Total/NA	Analysis	Ra226_Ra228		1			469156	04/29/20 10:14	SMP	TAL SL
Instrument ID: NOEQUIP										

**Laboratory References:**

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Analyst References:**

Lab: TAL SL

Batch Type: Prep

EJQ = Erin Quinn

MNH = Molly Howard

RBR = Rachael Ratcliff

Batch Type: Analysis

AJD = Audra DeMariano

CJQ = Caleb Quinn

KLS = Kody Saulters

KRR = Kellene Robbs

SMP = Siobhan Perry

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWA-40**

**Lab Sample ID: 180-103891-1**

Date Collected: 03/20/20 09:35

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00593	U	0.0698	0.0698	1.00	0.163	pCi/L	03/26/20 06:31	04/17/20 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.5		40 - 110					03/26/20 06:31	04/17/20 08:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.111	U	0.299	0.299	1.00	0.517	pCi/L	04/26/20 11:55	04/29/20 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		40 - 110					04/26/20 11:55	04/29/20 07:31	1
Y Carrier	89.0		40 - 110					04/26/20 11:55	04/29/20 07:31	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.105	U	0.307	0.307	5.00	0.517	pCi/L		04/29/20 13:41	1

**Client Sample ID: FB-1(C3)**

**Lab Sample ID: 180-103891-2**

Date Collected: 03/20/20 09:30

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00724	U	0.0801	0.0801	1.00	0.171	pCi/L	03/26/20 06:31	04/17/20 08:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		40 - 110					03/26/20 06:31	04/17/20 08:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.102	U	0.292	0.292	1.00	0.507	pCi/L	04/26/20 11:55	04/29/20 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		40 - 110					04/26/20 11:55	04/29/20 07:31	1
Y Carrier	89.3		40 - 110					04/26/20 11:55	04/29/20 07:31	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: FB-1(C3)**

**Lab Sample ID: 180-103891-2**

Date Collected: 03/20/20 09:30

Matrix: Water

Date Received: 03/21/20 09:00

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.109	U	0.303	0.303	5.00	0.507	pCi/L		04/29/20 13:41	1

**Client Sample ID: GWA-43**

**Lab Sample ID: 180-103891-3**

Date Collected: 03/20/20 11:03

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.187		0.135	0.136	1.00	0.184	pCi/L	03/26/20 06:31	04/17/20 08:53	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	80.1		40 - 110					03/26/20 06:31	04/17/20 08:53	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0435	U	0.262	0.262	1.00	0.465	pCi/L	04/26/20 11:55	04/29/20 07:31	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	88.1		40 - 110					04/26/20 11:55	04/29/20 07:31	1
Y Carrier	88.6		40 - 110					04/26/20 11:55	04/29/20 07:31	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.230	U	0.295	0.295	5.00	0.465	pCi/L		04/29/20 13:41	1

**Client Sample ID: GWA-44**

**Lab Sample ID: 180-103891-4**

Date Collected: 03/20/20 09:04

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123	U	0.160	0.160	1.00	0.266	pCi/L	03/26/20 06:31	04/17/20 08:54	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	54.4		40 - 110					03/26/20 06:31	04/17/20 08:54	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWA-44**

**Lab Sample ID: 180-103891-4**

Date Collected: 03/20/20 09:04

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U	0.306	0.309	1.00	0.475	pCi/L	04/26/20 11:55	04/29/20 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		40 - 110					04/26/20 11:55	04/29/20 07:31	1
Y Carrier	91.2		40 - 110					04/26/20 11:55	04/29/20 07:31	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.570		0.345	0.348	5.00	0.475	pCi/L		04/29/20 13:41	1

**Client Sample ID: EB-1(C3)**

**Lab Sample ID: 180-103891-5**

Date Collected: 03/20/20 11:20

Matrix: Water

Date Received: 03/21/20 09:00

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0801	U	0.0966	0.0969	1.00	0.158	pCi/L	03/26/20 06:31	04/17/20 08:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					03/26/20 06:31	04/17/20 08:54	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.279	0.280	1.00	0.472	pCi/L	04/26/20 11:55	04/29/20 07:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					04/26/20 11:55	04/29/20 07:31	1
Y Carrier	96.4		40 - 110					04/26/20 11:55	04/29/20 07:31	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.246	U	0.295	0.296	5.00	0.472	pCi/L		04/29/20 13:41	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWA-41**  
Date Collected: 03/19/20 15:55  
Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103892-1**  
Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0641	U	0.0972	0.0974	1.00	0.168	pCi/L	03/25/20 12:24	04/16/20 06:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					03/25/20 12:24	04/16/20 06:44	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0820	U	0.224	0.224	1.00	0.415	pCi/L	03/25/20 12:53	04/14/20 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					03/25/20 12:53	04/14/20 13:39	1
Y Carrier	83.4		40 - 110					03/25/20 12:53	04/14/20 13:39	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0179	U	0.244	0.244	5.00	0.415	pCi/L		04/16/20 10:11	1

**Client Sample ID: FD-1(C3)**  
Date Collected: 03/19/20 00:00  
Date Received: 03/21/20 09:00

**Lab Sample ID: 180-103892-2**  
Matrix: Water

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00856	U	0.0767	0.0767	1.00	0.158	pCi/L	03/25/20 12:24	04/16/20 06:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					03/25/20 12:24	04/16/20 06:44	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0597	U	0.233	0.233	1.00	0.406	pCi/L	03/25/20 12:53	04/14/20 13:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					03/25/20 12:53	04/14/20 13:39	1
Y Carrier	83.4		40 - 110					03/25/20 12:53	04/14/20 13:39	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: FD-1(C3)**

**Lab Sample ID: 180-103892-2**

Date Collected: 03/19/20 00:00

Matrix: Water

Date Received: 03/21/20 09:00

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0683	U	0.245	0.245	5.00	0.406	pCi/L		04/16/20 10:11	1

**Client Sample ID: GWA-39**

**Lab Sample ID: 180-103978-1**

Date Collected: 03/23/20 12:58

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0351	U	0.158	0.158	1.00	0.303	pCi/L	03/30/20 18:01	04/21/20 10:26	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	83.8		40 - 110					03/30/20 18:01	04/21/20 10:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.664</b>		0.331	0.337	1.00	0.491	pCi/L	03/30/20 18:21	04/20/20 17:45	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	83.8		40 - 110					03/30/20 18:21	04/20/20 17:45	1
Y Carrier	82.2		40 - 110					03/30/20 18:21	04/20/20 17:45	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.699		0.367	0.372	5.00	0.491	pCi/L		04/22/20 12:35	1

**Client Sample ID: GWA-42**

**Lab Sample ID: 180-103978-2**

Date Collected: 03/23/20 13:17

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00977	U	0.164	0.164	1.00	0.333	pCi/L	03/30/20 18:01	04/21/20 10:26	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	82.3		40 - 110					03/30/20 18:01	04/21/20 10:26	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWA-42**

**Lab Sample ID: 180-103978-2**

Date Collected: 03/23/20 13:17

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.169	U	0.275	0.276	1.00	0.465	pCi/L	03/30/20 18:21	04/20/20 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		40 - 110					03/30/20 18:21	04/20/20 17:46	1
Y Carrier	83.4		40 - 110					03/30/20 18:21	04/20/20 17:46	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.159	U	0.320	0.321	5.00	0.465	pCi/L		04/22/20 12:35	1

**Client Sample ID: GWA-54**

**Lab Sample ID: 180-103978-3**

Date Collected: 03/23/20 14:50

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0207	U	0.105	0.105	1.00	0.242	pCi/L	03/30/20 18:01	04/21/20 10:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					03/30/20 18:01	04/21/20 10:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0116	U	0.212	0.212	1.00	0.381	pCi/L	03/30/20 18:21	04/20/20 17:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					03/30/20 18:21	04/20/20 17:49	1
Y Carrier	85.6		40 - 110					03/30/20 18:21	04/20/20 17:49	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.00916	U	0.237	0.237	5.00	0.381	pCi/L		04/22/20 12:35	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: FB-2 (C3)**

**Lab Sample ID: 180-103978-4**

Date Collected: 03/23/20 14:30

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0235	U	0.101	0.101	1.00	0.234	pCi/L	03/30/20 18:01	04/21/20 10:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					03/30/20 18:01	04/21/20 10:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0575	U	0.192	0.192	1.00	0.339	pCi/L	03/30/20 18:21	04/20/20 17:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					03/30/20 18:21	04/20/20 17:49	1
Y Carrier	84.5		40 - 110					03/30/20 18:21	04/20/20 17:49	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0340	U	0.217	0.217	5.00	0.339	pCi/L		04/22/20 12:35	1

**Client Sample ID: EB-2 (C3)**

**Lab Sample ID: 180-103978-5**

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 09:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.148	U	0.198	0.198	1.00	0.331	pCi/L	03/30/20 18:01	04/21/20 10:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		40 - 110					03/30/20 18:01	04/21/20 10:26	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.107	U	0.191	0.191	1.00	0.326	pCi/L	03/30/20 18:21	04/20/20 17:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		40 - 110					03/30/20 18:21	04/20/20 17:49	1
Y Carrier	89.0		40 - 110					03/30/20 18:21	04/20/20 17:49	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: EB-2 (C3)

Lab Sample ID: 180-103978-5

Date Collected: 03/23/20 12:40

Matrix: Water

Date Received: 03/25/20 09:30

### Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.256	U	0.275	0.275	5.00	0.331	pCi/L		04/22/20 12:35	1

## Client Sample ID: GWC-30

Lab Sample ID: 180-104109-1

Date Collected: 03/27/20 08:06

Matrix: Water

Date Received: 03/28/20 10:30

### Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0155	U	0.0533	0.0534	1.00	0.103	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		40 - 110					04/06/20 08:26	04/29/20 05:02	1

### Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.227	U	0.270	0.271	1.00	0.446	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	83.4		40 - 110					04/06/20 08:45	04/21/20 13:00	1

### Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.242	U	0.275	0.276	5.00	0.446	pCi/L		04/29/20 10:14	1

## Client Sample ID: FD-2

Lab Sample ID: 180-104109-2

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

### Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0476	U	0.0754	0.0755	1.00	0.131	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.7		40 - 110					04/06/20 08:26	04/29/20 05:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: FD-2**

**Lab Sample ID: 180-104109-2**

Date Collected: 03/27/20 00:00

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0139	U	0.352	0.352	1.00	0.634	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	65.7		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	79.6		40 - 110					04/06/20 08:45	04/21/20 13:00	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0338	U	0.360	0.360	5.00	0.634	pCi/L		04/29/20 10:14	1

**Client Sample ID: GWC-31**

**Lab Sample ID: 180-104110-1**

Date Collected: 03/26/20 15:42

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0309	U	0.0799	0.0799	1.00	0.146	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					04/06/20 08:26	04/29/20 05:02	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.210	U	0.267	0.268	1.00	0.444	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	80.4		40 - 110					04/06/20 08:45	04/21/20 13:00	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.241	U	0.279	0.280	5.00	0.444	pCi/L		04/29/20 10:14	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWC-32**

**Lab Sample ID: 180-104110-2**

Date Collected: 03/26/20 11:31

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117		0.0817	0.0824	1.00	0.112	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		40 - 110					04/06/20 08:26	04/29/20 05:02	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.300	U	0.317	0.318	1.00	0.518	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	78.9		40 - 110					04/06/20 08:45	04/21/20 13:00	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.417	U	0.327	0.329	5.00	0.518	pCi/L		04/29/20 10:14	1

**Client Sample ID: GWC-33**

**Lab Sample ID: 180-104110-3**

Date Collected: 03/26/20 11:25

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0212	U	0.0699	0.0699	1.00	0.150	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		40 - 110					04/06/20 08:26	04/29/20 05:02	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.157	U	0.307	0.308	1.00	0.523	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	81.1		40 - 110					04/06/20 08:45	04/21/20 13:00	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Client Sample ID: GWC-33

Date Collected: 03/26/20 11:25

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-3

Matrix: Water

### Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.135	U	0.315	0.316	5.00	0.523	pCi/L		04/29/20 10:14	1

## Client Sample ID: GWC-34

Date Collected: 03/26/20 10:20

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-4

Matrix: Water

### Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0222	U	0.0523	0.0524	1.00	0.121	pCi/L	04/06/20 08:26	04/29/20 05:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		40 - 110					04/06/20 08:26	04/29/20 05:02	1

### Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.193	U	0.247	0.247	1.00	0.410	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	81.5		40 - 110					04/06/20 08:45	04/21/20 13:00	1

### Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.171	U	0.252	0.252	5.00	0.410	pCi/L		04/29/20 10:14	1

## Client Sample ID: GWC-35

Date Collected: 03/26/20 09:03

Date Received: 03/28/20 10:30

## Lab Sample ID: 180-104110-5

Matrix: Water

### Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00570	U	0.0516	0.0516	1.00	0.104	pCi/L	04/06/20 08:26	04/29/20 05:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		40 - 110					04/06/20 08:26	04/29/20 05:03	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWC-35**

**Lab Sample ID: 180-104110-5**

Date Collected: 03/26/20 09:03

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00487	U	0.234	0.234	1.00	0.421	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	76.6		40 - 110					04/06/20 08:45	04/21/20 13:00	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0106	U	0.240	0.240	5.00	0.421	pCi/L		04/29/20 10:14	1

**Client Sample ID: GWC-36**

**Lab Sample ID: 180-104110-6**

Date Collected: 03/26/20 10:02

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0590	U	0.0772	0.0774	1.00	0.129	pCi/L	04/06/20 08:26	04/29/20 05:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					04/06/20 08:26	04/29/20 05:03	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0991	U	0.307	0.307	1.00	0.532	pCi/L	04/06/20 08:45	04/21/20 13:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					04/06/20 08:45	04/21/20 13:00	1
Y Carrier	81.5		40 - 110					04/06/20 08:45	04/21/20 13:00	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.158	U	0.317	0.317	5.00	0.532	pCi/L		04/29/20 10:14	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWC-37**

**Lab Sample ID: 180-104110-7**

Date Collected: 03/26/20 10:40

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0264	U	0.0532	0.0533	1.00	0.122	pCi/L	04/06/20 08:26	04/29/20 05:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		40 - 110					04/06/20 08:26	04/29/20 05:03	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0139	U	0.292	0.292	1.00	0.513	pCi/L	04/06/20 08:45	04/21/20 12:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		40 - 110					04/06/20 08:45	04/21/20 12:56	1
Y Carrier	81.1		40 - 110					04/06/20 08:45	04/21/20 12:56	1

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0125	U	0.297	0.297	5.00	0.513	pCi/L		04/29/20 10:14	1

**Client Sample ID: GWC-38**

**Lab Sample ID: 180-104110-8**

Date Collected: 03/26/20 09:15

Matrix: Water

Date Received: 03/28/20 10:30

**Method: 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00324	U	0.0637	0.0637	1.00	0.130	pCi/L	04/06/20 08:26	04/29/20 05:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		40 - 110					04/06/20 08:26	04/29/20 05:03	1

**Method: 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.470	U	0.306	0.309	1.00	0.473	pCi/L	04/06/20 08:45	04/21/20 12:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		40 - 110					04/06/20 08:45	04/21/20 12:56	1
Y Carrier	81.9		40 - 110					04/06/20 08:45	04/21/20 12:56	1

Eurofins TestAmerica, Pittsburgh

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

**Client Sample ID: GWC-38**  
**Date Collected: 03/26/20 09:15**  
**Date Received: 03/28/20 10:30**

**Lab Sample ID: 180-104110-8**  
**Matrix: Water**

**Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.467	U	0.313	0.315	5.00	0.473	pCi/L		04/29/20 10:14	1

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

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9315 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-465545/23-A**  
**Matrix: Water**  
**Analysis Batch: 467927**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 465545**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)				03/25/20 12:24	04/16/20 06:44			
Radium-226	0.01663	U	0.0885	0.0885	1.00	0.176	pCi/L	03/25/20 12:24	04/16/20 06:44		1	
Carrier	MB		Limits			Prepared		Analyzed		Dil Fac		
Ba Carrier	%Yield	MB Qualifier	40 - 110			03/25/20 12:24		04/16/20 06:44		1		
	95.7											

**Lab Sample ID: LCS 160-465545/1-A**  
**Matrix: Water**  
**Analysis Batch: 467927**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 465545**

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
	%Yield	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					75 - 125	
Radium-226			11.3	9.183	1.09	1.00	0.205	pCi/L	81	75 - 125	
Carrier	LCS		Limits								
Ba Carrier	%Yield	LCS Qualifier	40 - 110								
	95.7										

**Lab Sample ID: LCSD 160-465545/2-A**  
**Matrix: Water**  
**Analysis Batch: 467927**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 465545**

Analyte	LCSD		Spike	LCSD	Total	RL	MDC	Unit	%Rec	%Rec. Limits		RER	Limit
	%Yield	LCSD Qualifier	Added	Result	Uncert. (2σ+/-)					75 - 125	0.08	1	
Radium-226			11.3	9.005	1.07	1.00	0.197	pCi/L	79	75 - 125		0.08	1
Carrier	LCSD		Limits										
Ba Carrier	%Yield	LCSD Qualifier	40 - 110										
	94.5												

**Lab Sample ID: MB 160-465586/20-A**  
**Matrix: Water**  
**Analysis Batch: 468017**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 465586**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)				03/26/20 06:31	04/17/20 08:55			
Radium-226	-0.03638	U	0.0859	0.0860	1.00	0.199	pCi/L	03/26/20 06:31	04/17/20 08:55		1	
Carrier	MB		Limits			Prepared		Analyzed		Dil Fac		
Ba Carrier	%Yield	MB Qualifier	40 - 110			03/26/20 06:31		04/17/20 08:55		1		
	90.5											

**Lab Sample ID: LCS 160-465586/1-A**  
**Matrix: Water**  
**Analysis Batch: 468017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 465586**

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
	%Yield	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					75 - 125	
Radium-226			11.3	10.27	1.18	1.00	0.142	pCi/L	91	75 - 125	

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: LCS 160-465586/1-A**  
**Matrix: Water**  
**Analysis Batch: 468017**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 465586**

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.6		40 - 110

**Lab Sample ID: 440-263409-F-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 468017**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 465586**

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-226	-0.0860	U	15.1	12.69		1.49	1.00	0.304	pCi/L	84	75 - 138	

	MS	MS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.0		40 - 110

**Lab Sample ID: 440-263409-F-1-B MSD**  
**Matrix: Water**  
**Analysis Batch: 468017**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 465586**

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		RER	Limit
													RER	Limit
Radium-226	-0.0860	U	15.1	13.28		1.56	1.00	0.235	pCi/L	88	75 - 138	0.19	1	

	MSD	MSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	83.8		40 - 110

**Lab Sample ID: MB 160-466129/23-A**  
**Matrix: Water**  
**Analysis Batch: 468420**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 466129**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
												Dil Fac
Radium-226	0.03090	U	0.129	0.129	1.00	0.250	pCi/L	03/30/20 18:01	04/21/20 10:27			1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110	03/30/20 18:01	04/21/20 10:27	1

**Lab Sample ID: LCS 160-466129/1-A**  
**Matrix: Water**  
**Analysis Batch: 468420**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 466129**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-226	11.3	11.22		1.42	1.00	0.362	pCi/L	99	75 - 125	

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	84.4		40 - 110

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

**Lab Sample ID: 680-182049-P-1-A DU**  
**Matrix: Water**  
**Analysis Batch: 468420**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 466129**

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.131	U	0.2043	U	0.208	1.00	0.325	pCi/L	0.17	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	79.2		40 - 110							

**Lab Sample ID: MB 160-466707/23-A**  
**Matrix: Water**  
**Analysis Batch: 469145**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 466707**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.04171	U	0.0539	0.0541	1.00	0.129	pCi/L	04/06/20 08:26	04/29/20 06:55	1
<b>MB MB</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
Ba Carrier	91.7		40 - 110				04/06/20 08:26	04/29/20 06:55	1	

**Lab Sample ID: LCS 160-466707/1-A**  
**Matrix: Water**  
**Analysis Batch: 469145**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 466707**

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
		Result	Qual	Uncert. (2σ+/-)						
Radium-226	11.3	9.373		1.02	1.00	0.118	pCi/L	83	75 - 125	
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	78.3		40 - 110							

**Lab Sample ID: 180-104108-A-2-B DU**  
**Matrix: Water**  
**Analysis Batch: 469145**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 466707**

Analyte	Sample	Sample	DU		Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0722	U	0.01569	U	0.0704	1.00	0.135	pCi/L	0.37	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	79.2		40 - 110							

## Method: 9320 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-465549/23-A**  
**Matrix: Water**  
**Analysis Batch: 467710**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 465549**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2261	U	0.288	0.288	1.00	0.477	pCi/L	03/25/20 12:53	04/14/20 13:40	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		40 - 110	03/25/20 12:53	04/14/20 13:40	1
Y Carrier	82.2		40 - 110	03/25/20 12:53	04/14/20 13:40	1

Lab Sample ID: LCS 160-465549/1-A  
Matrix: Water  
Analysis Batch: 467676

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 465549

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	8.93	8.213		1.02	1.00	0.475	pCi/L	92	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.7		40 - 110
Y Carrier	77.0		40 - 110

Lab Sample ID: LCSD 160-465549/2-A  
Matrix: Water  
Analysis Batch: 467676

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 465549

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228	8.93	8.041		0.996	1.00	0.435	pCi/L	90	75 - 125	0.09	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	94.5		40 - 110
Y Carrier	79.3		40 - 110

Lab Sample ID: MB 160-466130/23-A  
Matrix: Water  
Analysis Batch: 468147

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 466130

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1791	U	0.212	0.212	1.00	0.349	pCi/L	03/30/20 18:21	04/20/20 17:50	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110	03/30/20 18:21	04/20/20 17:50	1
Y Carrier	87.5		40 - 110	03/30/20 18:21	04/20/20 17:50	1

Lab Sample ID: LCS 160-466130/1-A  
Matrix: Water  
Analysis Batch: 468134

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 466130

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	8.91	9.868		1.18	1.00	0.540	pCi/L	111	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.4		40 - 110
Y Carrier	85.2		40 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: 680-182049-P-1-B DU**  
**Matrix: Water**  
**Analysis Batch: 468134**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 466130**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)						
Radium-228	0.315	U	0.5949		0.367	1.00	0.563	pCi/L		0.39	1

Carrier	DU	DU	Limits
	%Yield	Qualifier	
Ba Carrier	79.2		40 - 110
Y Carrier	86.0		40 - 110

**Lab Sample ID: MB 160-466715/23-A**  
**Matrix: Water**  
**Analysis Batch: 468448**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 466715**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.03851	U	0.292	0.292	1.00	0.524	pCi/L	04/06/20 08:45	04/21/20 12:57	1

Carrier	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	91.7		40 - 110	04/06/20 08:45	04/21/20 12:57	1
Y Carrier	80.4		40 - 110	04/06/20 08:45	04/21/20 12:57	1

**Lab Sample ID: LCS 160-466715/1-A**  
**Matrix: Water**  
**Analysis Batch: 468443**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 466715**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-228	8.91	9.337		1.17	1.00	0.565	pCi/L	105	75 - 125

Carrier	LCS	LCS	Limits
	%Yield	Qualifier	
Ba Carrier	78.3		40 - 110
Y Carrier	80.0		40 - 110

**Lab Sample ID: MB 160-468908/18-A**  
**Matrix: Water**  
**Analysis Batch: 469171**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 468908**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2254	U	0.336	0.336	1.00	0.563	pCi/L	04/26/20 11:55	04/29/20 07:34	1

Carrier	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	83.2		40 - 110	04/26/20 11:55	04/29/20 07:34	1
Y Carrier	92.0		40 - 110	04/26/20 11:55	04/29/20 07:34	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: LCS 160-468908/1-A**  
**Matrix: Water**  
**Analysis Batch: 469160**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 468908**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	11.8	13.56		1.54	1.00	0.530	pCi/L	114	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	87.2		40 - 110
Y Carrier	90.1		40 - 110

**Lab Sample ID: LCSD 160-468908/2-A**  
**Matrix: Water**  
**Analysis Batch: 469160**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 468908**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228	11.8	11.17		1.28	1.00	0.428	pCi/L	94	75 - 125	0.85	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	95.7		40 - 110
Y Carrier	94.6		40 - 110



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Rad

### Prep Batch: 465545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103892-1	GWA-41	Total/NA	Water	PrecSep-21	
180-103892-2	FD-1(C3)	Total/NA	Water	PrecSep-21	
MB 160-465545/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-465545/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-465545/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 465549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103892-1	GWA-41	Total/NA	Water	PrecSep_0	
180-103892-2	FD-1(C3)	Total/NA	Water	PrecSep_0	
MB 160-465549/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-465549/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-465549/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 465586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	PrecSep-21	
180-103891-2	FB-1(C3)	Total/NA	Water	PrecSep-21	
180-103891-3	GWA-43	Total/NA	Water	PrecSep-21	
180-103891-4	GWA-44	Total/NA	Water	PrecSep-21	
180-103891-5	EB-1(C3)	Total/NA	Water	PrecSep-21	
MB 160-465586/20-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-465586/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
440-263409-F-1-A MS	Matrix Spike	Total/NA	Water	PrecSep-21	
440-263409-F-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

### Prep Batch: 466129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	PrecSep-21	
180-103978-2	GWA-42	Total/NA	Water	PrecSep-21	
180-103978-3	GWA-54	Total/NA	Water	PrecSep-21	
180-103978-4	FB-2 (C3)	Total/NA	Water	PrecSep-21	
180-103978-5	EB-2 (C3)	Total/NA	Water	PrecSep-21	
MB 160-466129/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-466129/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-182049-P-1-A DU	Duplicate	Total/NA	Water	PrecSep-21	

### Prep Batch: 466130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103978-1	GWA-39	Total/NA	Water	PrecSep_0	
180-103978-2	GWA-42	Total/NA	Water	PrecSep_0	
180-103978-3	GWA-54	Total/NA	Water	PrecSep_0	
180-103978-4	FB-2 (C3)	Total/NA	Water	PrecSep_0	
180-103978-5	EB-2 (C3)	Total/NA	Water	PrecSep_0	
MB 160-466130/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-466130/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-182049-P-1-B DU	Duplicate	Total/NA	Water	PrecSep_0	

### Prep Batch: 466707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	PrecSep-21	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Scherer Cell 3

Job ID: 180-103891-2

## Rad (Continued)

### Prep Batch: 466707 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-2	FD-2	Total/NA	Water	PrecSep-21	
180-104110-1	GWC-31	Total/NA	Water	PrecSep-21	
180-104110-2	GWC-32	Total/NA	Water	PrecSep-21	
180-104110-3	GWC-33	Total/NA	Water	PrecSep-21	
180-104110-4	GWC-34	Total/NA	Water	PrecSep-21	
180-104110-5	GWC-35	Total/NA	Water	PrecSep-21	
180-104110-6	GWC-36	Total/NA	Water	PrecSep-21	
180-104110-7	GWC-37	Total/NA	Water	PrecSep-21	
180-104110-8	GWC-38	Total/NA	Water	PrecSep-21	
MB 160-466707/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-466707/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-104108-A-2-B DU	Duplicate	Total/NA	Water	PrecSep-21	

### Prep Batch: 466715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104109-1	GWC-30	Total/NA	Water	PrecSep_0	
180-104109-2	FD-2	Total/NA	Water	PrecSep_0	
180-104110-1	GWC-31	Total/NA	Water	PrecSep_0	
180-104110-2	GWC-32	Total/NA	Water	PrecSep_0	
180-104110-3	GWC-33	Total/NA	Water	PrecSep_0	
180-104110-4	GWC-34	Total/NA	Water	PrecSep_0	
180-104110-5	GWC-35	Total/NA	Water	PrecSep_0	
180-104110-6	GWC-36	Total/NA	Water	PrecSep_0	
180-104110-7	GWC-37	Total/NA	Water	PrecSep_0	
180-104110-8	GWC-38	Total/NA	Water	PrecSep_0	
MB 160-466715/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-466715/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 468908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-103891-1	GWA-40	Total/NA	Water	PrecSep_0	
180-103891-2	FB-1(C3)	Total/NA	Water	PrecSep_0	
180-103891-3	GWA-43	Total/NA	Water	PrecSep_0	
180-103891-4	GWA-44	Total/NA	Water	PrecSep_0	
180-103891-5	EB-1(C3)	Total/NA	Water	PrecSep_0	
MB 160-468908/18-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-468908/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-468908/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Regulatory Programs:  air  water  soil  other

Project Manager: Dawn Freil  
Tel/Fax: 348-338-5445

Client Contact: Jojo Abraham  
Southern Company  
241 Ralph McGill Blvd SE, 303185  
Atlanta, GA 30308

Project Name: COB - Plant Scherer Ash Pond  
Site: Georgia  
P.O. # 1501864

Date: 3/20/20  
Carrier: \_\_\_\_\_

Site Contact: Chris Fittwell  
Lab Contact: Venetious Bostot

COC No: \_\_\_\_\_ of \_\_\_\_\_ COCs

Sample: \_\_\_\_\_

Per Lab Use Only:  
Walk-in Chert  
Lab Sampling

Job / SOG No.: \_\_\_\_\_

Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., water, soil)	Matrix	# of Cont.	1	2	3	4	5	6	7	8	9	10	11	12	13	
OWA-45	3/20/2020	9:30	G	Water	3	X	X	X	X										
FB-1(C2)	3/20/2020	9:30	G	Water	3	X	X	X	X										
OWA-43	3/20/2020	11:00	G	Water	3	X	X	X	X										
OWA-44	3/20/2020	09:04	G	Water	4	X	X	X	X										
FB-1(C2)	3/20/2020	11:30	G	Water	3	X	X	X	X										

4 1 4

190-102891 Chain of Custody

Preservation Used: In Ice, In HCl, In H2SO4, In HNO3, In NaOH, In Other \_\_\_\_\_

Possible Hazard Identification:  
Are any samples from a listed EPA Hazardous Waste? Please list any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Not listed  Disposal  See Inset

Special Instructions/Requirements & Comments:

Returned by: \_\_\_\_\_  
Received by: \_\_\_\_\_  
Date/Time: 3-20-20 8:25 AM

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

Received by: \_\_\_\_\_  
Date/Time: 3-20-20 1:44 Z

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

Received by: \_\_\_\_\_  
Date/Time: 3-21-20 9:00

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

Returned to Client  Discard by Lab  Archive by \_\_\_\_\_

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

Custody Seal No.: \_\_\_\_\_  
Custody Seal Intact  Torn  No

Approved by: \_\_\_\_\_  
Manufactured by: \_\_\_\_\_  
Inspected by: \_\_\_\_\_

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

Received by: \_\_\_\_\_  
Date/Time: 3-20-20

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

Received by: \_\_\_\_\_  
Date/Time: 3-20-20

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

Received by: \_\_\_\_\_  
Date/Time: 3-20-20

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



**TestAmerica Pittsburgh**  
 301 Alpha Drive  
 RPOC PAW

Pittsburgh, PA 15236-2907  
 phone 412.963.7058 fax 412.963.2468

equi11V-189

# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact: **John Abraham** Regulatory Program:  Air  SWD  BOD  Other

Project Manager: **Dawn Fiedl** Date: **3/23/20** Site Contact: **Chris Tidwell**

Test Facility: **249-539-3448** Lab Contact: **Veronica Borhof**

Analyst's Temperature: **70** °F

Test if different from below:  24 days

2 weeks  1 week  2 days  1 day

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Containers	Temperature			
						1	2	3	4
0001-20	3/23/2020	12:58	Q	Water	2	X	X	X	X
0002-20	3/23/2020	13:17	Q	Water	4	X	X	X	X
0003-20	3/23/2020	14:50	Q	Water	2	X	X	X	X
0004-20	3/23/2020	14:50	Q	Water	2	X	X	X	X
0005-20	3/23/2020	15:40	Q	Water	2	X	X	X	X



180-100028 Chain of Custody

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

Possible Hazard Identification: \_\_\_\_\_

Are any samples from a listed EPA Hazardous Waste?  Yes  No

Comments: Section if the lab is to dispose of the sample.

No Hazard  Specific  See Label

Special Instructions/OC Requirements & Comments:

Custody Seal Intact:  Yes  No

Company: **Retaine Cook** Date: **3/23/2020**

Prepared by: **John Abraham** Analyzed by: **Veronica Borhof**

Transported by: **Retaine Cook** Date: **3/23/2020**

Received by: **Retaine Cook** Date: **3/23/2020**

Carrier No: **324/20 5:30**

Form No. CA-CW-002, Rev. 4.26, dated 3/26/2019



Regulatory Program:  Air  Water  SO2  Other

Project Manager: Dawn Prall  
Tel/Fax: 248-536-8445

Analysis Turnaround Time  
 2 weeks  
 1 week  
 3 days  
 1 day

Tell if different from below: 3-8 days

Client Contact: Jojo Abraham  
Southern Company  
241 Ralph McGill Blvd SE, B10185  
Atlanta, GA 30308

Project Name: CCR - Plant Scherer Ash Pond  
State: Georgia  
P.O.# 1807864

Site Contact: Chris Tidwell  
Lab Contact: Veronica Borhof

Date: 3/27/20  
Carrier:   
 1 of 1 COCs

Sampler: For Lab Use Only  
 Analyte Client:  
 Lab Sampling:  
 Job / SO2 No.:

Sample Identification

Sample Code	Sample Time	Sample Type	Matrix	# of Matrix Com.
50C-35	8:08	G	Water	3
FD-2	-	G	Water	3

Sample Specifics/Notes  
pH: 8.28

100-104109 Chain of Custody

Preservation Used: 1=Ice, 2=HCl, 3=HNO3, 4=HFNO3, 5=NaOH, 6=Other

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

Sealed  Disposable  In-Plant  Other

Special Instructions/QC Requirements & Comments:

Custody Seal No.:   
 No  Se

Dispatched by:   
 Date/Time: 3-27-20 11:23 AM

Received by:   
 Date/Time: 3-23-20 3:22 PM

Company:   
 Date/Time: 3-23-20 3:22 PM

Received in Laboratory by:   
 Date/Time: 3-23-20 3:22 PM

Company:   
 Date/Time: 3-23-20 3:22 PM

Returned to Client:   
 Return to Client  Dispose in Lab  Archive for Months

Team ID No.:   
 Date/Time: 3-23-20 3:22 PM

Form No. CA-C-W-002, Rev. 4.28, dated 12/28/2018



Regulatory Program:  Air  Water  SO<sub>2</sub>  SO<sub>x</sub>  Other

Project Manager: Dawn Prall  
Tel/Fax: 348-534-5445

Client Contact: Jojo Abraham  
Southern Company  
241 Ralph McGill Blvd SE, B10105  
Atlanta, GA 30328

Project Name: OCR - Plant Scherer Ash Pond  
Site: Georgia  
P.O. # 15074884

Site Contact: Chris Tidwell  
Lab Contact: Veronica Borst

Date: 3/26/20  
Carrier:

COC No. 1 of 1 COCs

Sampler: For Lab Use Only:  
Walk in Client  
Lab Sampling

Job / COC No.:

Sample Identification	Sample Date	Sample Time	Sample Type (e.g., water, soil)	Matrix	# of Matrix Cont.
GW-C-31	3/26/2020	15:42	G	Water	3
GW-C-32	3/26/2020	11:31	G	Water	3
GW-C-33	3/26/2020	11:29	G	Water	3
GW-C-34	3/26/2020	10:30	G	Water	3
GW-C-35	3/26/2020	09:03	G	Water	3
GW-C-36	3/26/2020	10:02	G	Water	3
GW-C-37	3/26/2020	10:40	G	Water	3
GW-C-38	3/26/2020	09:19	G	Water	3

Preservation Used: 1= Ice, 2= RCS, 3= RB204, 4=RB03, 5=MuOH, 6= Other

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

Not Hazard  Potentially  Not Hazard

Special Instructions/OC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are not):

Return to Client  Destroyed by Lab  Archive by months

Barcode: 180104110 Chain of Custody

Custody Seal No.:  
Company: Southern Company  
Date/Time: 3/26/20 14:23

Received by: [Signature]  
Company: [Signature]  
Date/Time: 3/27/20 14:27

Received by: [Signature]  
Company: [Signature]  
Date/Time: 3/27/20 10:30





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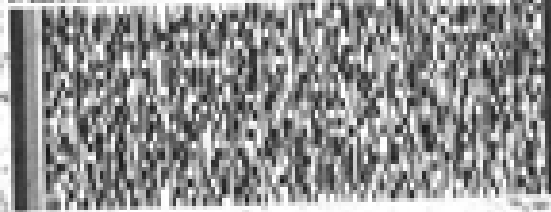
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EUROFINS TESTAMERICA  
3500 MCCORMACK DRIVE  
SUITE 5-10  
MONROEVILLE PA 15146  
UNITED STATES US

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ACTIVITY BY: 05/12/20  
CART: 808118-001

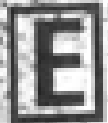
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Matr# 1516 9323 2134

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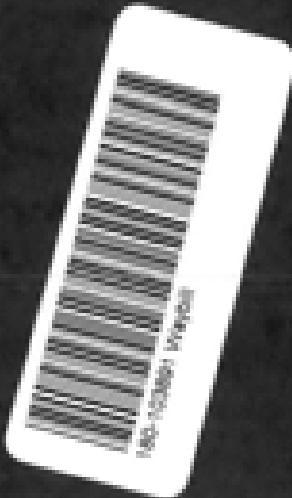
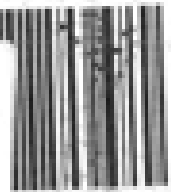
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15238  
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Uncorrected temp 1.6  
Thermometer ID 17

CF 0 Initials JD

PT 001-001-001 effective 11/01/18



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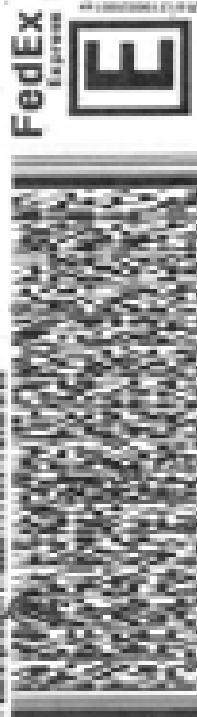
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5000 ACADAMIAN DRIVE  
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PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 05/12/2020  
ACTIVITY: 07:55 AM  
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PITTSBURGH, PA 15238  
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1 of 3  
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REF MASTER #  
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PRIORITY OVERNIGHT

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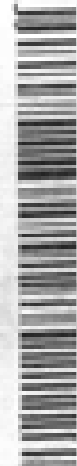
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PIT

Unconnected temp  
Thermometer ID

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CF  Initials TS

PT 00-00-001 effective 1/1/19



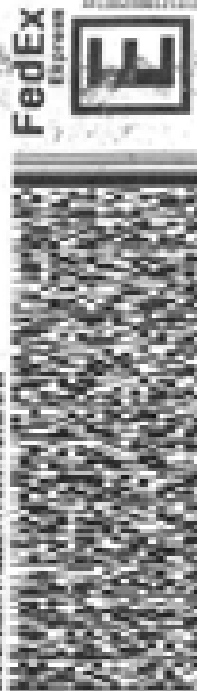
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TRK# 1516 9323 2145  
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SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

15238  
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Thermometer ID

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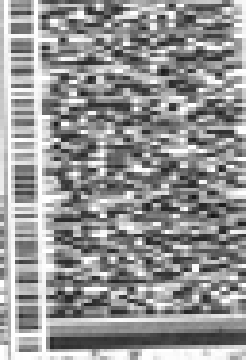


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Unconnected Temp

Thermometer ID

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Part # 15443-021 00 0000 00



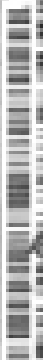
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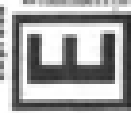
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TRAK  
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15238  
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Thermometer ID

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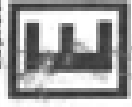
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2 of 3  
SATURDAY 12:00P  
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Uncorrected temp  
Thermometer ID

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CF Initials

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PT-00-00-01 effective 11/07/18



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Environment Testing  
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SHIP DATE: 03/24/20  
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ACTIVITY: 03/24/20  
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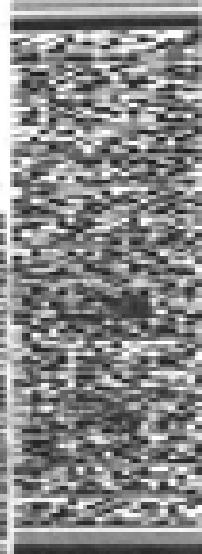
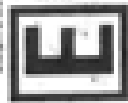
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1516 9323 2218

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1 of 2  
WED - 25 MAR 3:00P  
STANDARD OVERNIGHT

1516 9323 2218

REF MASTER #

NA AGCA

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PA-US F



Uncorrected temp  
Thermometer ID

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ACTIVITY: 03/24/20  
CART: 00000000000000000000

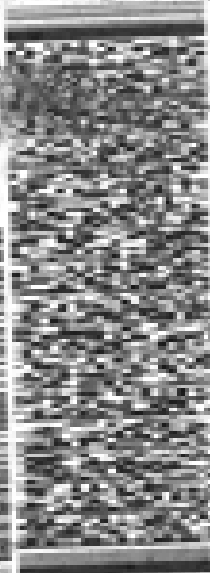
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RIDC PARK  
PITTSBURGH PA 15238

152 MAR 2020  
REF: GOLDBER - SCHREIBER

1516 9323 2259

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2 of 2

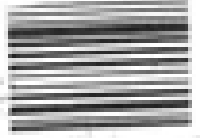
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STANDARD OVERNIGHT

1516 9323 2259

1516 9323 2259

NA AGCA

15238  
PA-US PIT



Uncorrected temp  
Thermometer ID

CF 0 Initials B

PI 00000000000000000000



Environment  
TestAmerica

1200  
639

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SHIP TO: 15238  
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301 ALPHA DR.

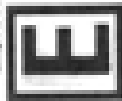
RIDC PARK

PITTSBURGH PA 15238

SHIP TO: 15238  
REF. SOUTHERN 90



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Express



3 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

1516 9323 2487

Master 1516 9323 2485

XO AGCA

15238  
PA-US  
PIT

UNconnected Temp  
Thermometer ID 4917  
CF 0 Initials D  
PT: 1516-9323-2485 (15238)



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3001 ALPHABET DRIVE  
SUITE 510  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 05/12/20  
SHIP TO: 15238  
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RIDC PARK

PITTSBURGH PA 15238

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REF. SOUTHERN 90



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4 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

1516 9323 2498

Master 1516 9323 2485

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15238  
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PIT

UNconnected Temp  
Thermometer ID 4917  
CF 0 Initials D  
PT: 1516-9323-2485 (15238)

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Environment Testing  
TestAmerica

ORDER CALLER (678) 988-8881  
SHIP DATE: 05/12/20  
EUROFINS TESTAMERICA  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

SHIP DATE: 05/12/20  
EUROFINS TESTAMERICA  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

REF: SOUTHERN CO

FedEx  
Express



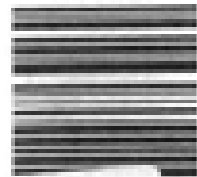
1 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

TRK 1516 9323 2465

XO AGCA

15238  
PA-US PIT

Uncorrected temp  
Thermometer ID  
CF 0 Initials IS



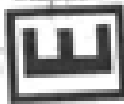
ORDER CALLER (678) 988-8881  
SHIP DATE: 05/12/20  
EUROFINS TESTAMERICA  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

SHIP DATE: 05/12/20  
EUROFINS TESTAMERICA  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238  
UNITED STATES OF AMERICA

REF: SOUTHERN CO

FedEx  
Express



2 of 4  
SATURDAY 12:00P  
PRIORITY OVERNIGHT

TRK 1516 9323 2476

XO AGCA

15238  
PA-US PIT

Uncorrected temp  
Thermometer ID  
CF 0 Initials IS



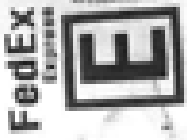
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**eurofins**  
Environment Testing  
TestAmerica

ORDER 1516 9323 2498  
SHIP DATE: 05/12/20  
SHIP TO: 1516 9323 2498  
SHIP FROM: 1516 9323 2498  
SHIP TO: 1516 9323 2498  
SHIP FROM: 1516 9323 2498  
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SHIP FROM: 1516 9323 2498

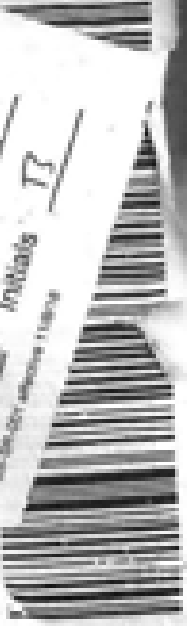
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EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

REF: SOUTHERN CO



4 of 4  
1516 9323 2498  
1516 9323 2498  
SATURDAY 12:00P  
PRIORITY OVERNIGHT  
15238  
PA-US  
PIT

**X0 A**  
Unconnected Temp  
Thermometer ID  
CF 0 Initials D



**eurofins**  
Environment Testing  
TestAmerica

639

ORDER 1516 9323 2487  
SHIP DATE: 05/12/20  
SHIP TO: 1516 9323 2487  
SHIP FROM: 1516 9323 2487  
SHIP TO: 1516 9323 2487  
SHIP FROM: 1516 9323 2487

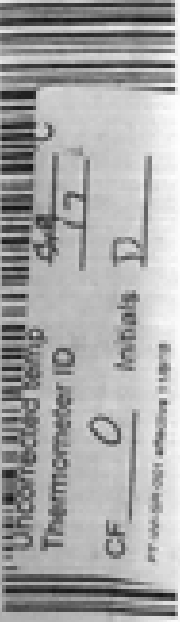
TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDC PARK  
PITTSBURGH PA 15238

REF: SOUTHERN CO



3 of 4  
1516 9323 2487  
1516 9323 2487  
SATURDAY 12:00P  
PRIORITY OVERNIGHT  
15238  
PA-US  
PIT

**X0 AGCA**  
Unconnected Temp  
Thermometer ID  
CF 0 Initials D



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Environment Testing  
TestAmerica

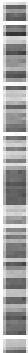
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SHIP DATE: 05/12/2020  
ACTIVITY IS TO THE  
CITY - EAST PITTSBURGH

SHIP DATE: 05/12/2020  
ACTIVITY IS TO THE  
CITY - EAST PITTSBURGH

BILL RECEIPT

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

(412) 966-7000  
REF. SOUTHERN CO



FedEx  
Express



1 of 4  
TNA 1516 9323 2465  
REF MASTER #

SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

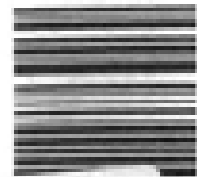
15238  
PA-US PIT

Uncorrected temp  
Thermometer ID

411  
117

CF 0 Initials T

PI 966-9991 reference number



ORDER (DOLLARS) (678) 966-9991  
SHIP DATE: 05/12/2020  
ACTIVITY IS TO THE  
CITY - EAST PITTSBURGH

SHIP DATE: 05/12/2020  
ACTIVITY IS TO THE  
CITY - EAST PITTSBURGH

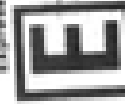
BILL RECEIPT

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

(412) 966-7000  
REF. SOUTHERN CO



FedEx  
Express



2 of 4  
TNA 1516 9323 2476  
REF MASTER #

SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

15238  
PA-US PIT

Uncorrected temp  
Thermometer ID

411  
117

CF 0 Initials T

PI 966-9991 reference number



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# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 103891**

**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: 180-103891-2

**Login Number: 103891**

**List Number: 2**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 03/24/20 06:45 PM**

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



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 103892**

**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: 180-103891-2

**Login Number: 103892**

**List Number: 2**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 03/24/20 06:45 PM**

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



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 103978**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Say, Thomas C**

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



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 103978**

**List Number: 2**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 03/27/20 02:07 PM**

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



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 104109**

**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: 180-103891-2

**Login Number: 104109**

**List Number: 2**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/01/20 04:00 PM**

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





## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-103891-2

**Login Number: 104110**

**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: 180-103891-2

**Login Number: 104110**

**List Number: 2**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 04/01/20 04:36 PM**

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



**ANALYTICAL RESULTS**  
**SURFACE WATER**

## 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

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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	13
QC Sample Results . . . . .	21
QC Association Summary . . . . .	29
Chain of Custody . . . . .	33
Receipt Checklists . . . . .	35

# 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**

---

**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**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

- 1
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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	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	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

Eurofins TestAmerica, Pittsburgh

# 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

Eurofins TestAmerica, Pittsburgh

# 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	

Eurofins TestAmerica, Pittsburgh

# 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	

Eurofins TestAmerica, Pittsburgh

# 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	





Environment Testing  
TestAmerica

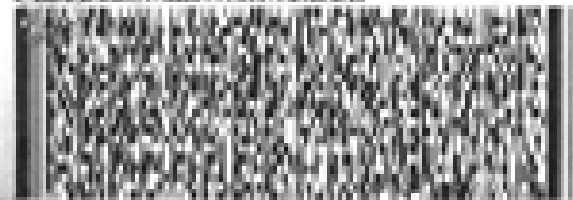
ORIGIN: DULLES (678) 968-0001  
SHIP DATE: 3/29/20  
ACTUAL: 33.40 LB  
CAC: 88116-CAF0312  
BILL RECEIPT

SHIP DATE: 3/29/20  
ACTUAL: 33.40 LB  
CAC: 88116-CAF0312

BILL RECEIPT

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

REF: SOLDER - PLT SCHERE



TRACKING: 1516 9323 2627

WED - 01 APR 3:00P  
STANDARD OVERNIGHT

NA AGCA

15238  
PA-US PIT

Uncorrected temp	3.2	C
Thermometer ID	17	
CF	0	Initials
		JL

PT-100-04-001 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	



**ANALYTICAL RESULTS**

**EFFLUENT**

## 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

Review your project  
results through  
**Total Access**

Have a Question?

 **Ask  
The  
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

1

2

3

4

5

6

7

8

9

10

11

12

13



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Definitions/Glossary . . . . .	4
Certification Summary . . . . .	5
Sample Summary . . . . .	6
Method Summary . . . . .	7
Lab Chronicle . . . . .	8
Client Sample Results . . . . .	9
QC Sample Results . . . . .	10
QC Association Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15



# Case Narrative

Client: Southern Company  
Project/Site: Plant Scherer 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

1

2

3

4

5

6

7

8

9

10

11

12

13

# Sample Summary

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

Job ID: 180-104070-1

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

# 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**

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**

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

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

**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

*BUREAU OF LABORATORIES*

*LABORATORY ACCREDITATION PROGRAM*

Certifies That

**02-00416**

**Eurofins TestAmerica Laboratories Pittsburgh**

**301 Alpha Drive, Pittsburgh, PA, 15238**

Having duly met the requirement of

The act of June 29, 2002 (P.L. 596, No. 90)

dealing with Environmental Laboratories Accreditation

(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

**Accredited Laboratory**

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: **04/30/2021**

Certificate Number: **017**



A handwritten signature in black ink that reads 'Dana T. Marshall'.

Dana T. Marshall, Acting Chief  
Laboratory Accreditation Program  
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program  
Certificate not transferable Surrender upon revocation  
To be conspicuously displayed at the Laboratory  
Not valid unless accompanied by a valid Scope of Accreditation  
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania  
Customers are urged to verify the laboratory's current accreditation status  
PA DEP is a NELAP recognized accreditation body

Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15213  
(412) 963-7058

**DHP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00154**  
**TNI Code: TN02151**  
**PAOWIS NO: 02416**

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary Scale	Effective Date
101.01		Asbestos in Drinking Water	101.01	1A	04/20/17
101.02		Asbestos	101.01	1A	04/20/17
101.03	4	Barium	101.03	1A	02/04/21
101.04		Cadmium	101.04	1A	04/20/17
101.05		Chloride as Barium Chloride and Magnesium Chloride	101.05	1A	04/20/17
101.06		Chloride as Barium Chloride	101.06	1A	04/20/17
101.07	3	Cyanide as Thiocyanate	101.07	1A	04/20/17
101.08	2	Cyanide as Thiocyanate	101.08	1A	04/20/17
101.09	1	Cyanide as Thiocyanate	101.09	1A	04/20/17
101.10	1	Cyanide as Thiocyanate	101.10	1A	04/20/17
101.11		Cyanide	101.11	1A	04/20/17
101.12	44	Cyanide	101.12	1A	04/20/17
101.13	34	Cyanide	101.13	1A	04/20/17
101.14	11	Cyanide	101.14	1A	04/20/17
101.15	44	Cyanide	101.15	1A	04/20/17
101.16	14	Cyanide	101.16	1A	04/20/17
101.17	01	Cyanide	101.17	1A	04/20/17
101.18	44	Cyanide	101.18	1A	04/20/17
101.19	34	Cyanide	101.19	1A	04/20/17
101.20	00	Cyanide	101.20	1A	04/20/17
101.21	44	Cyanide	101.21	1A	04/20/17
101.22	44	Cyanide	101.22	1A	04/20/17
101.23	44	Cyanide	101.23	1A	04/20/17
101.24	44	Cyanide	101.24	1A	04/20/17
101.25	44	Cyanide	101.25	1A	04/20/17
101.26	44	Cyanide	101.26	1A	04/20/17
101.27	44	Cyanide	101.27	1A	04/20/17
101.28	44	Cyanide	101.28	1A	04/20/17
101.29	44	Cyanide	101.29	1A	04/20/17
101.30	44	Cyanide	101.30	1A	04/20/17
101.31	44	Cyanide	101.31	1A	04/20/17
101.32	44	Cyanide	101.32	1A	04/20/17
101.33	44	Cyanide	101.33	1A	04/20/17
101.34	44	Cyanide	101.34	1A	04/20/17
101.35	44	Cyanide	101.35	1A	04/20/17
101.36	44	Cyanide	101.36	1A	04/20/17
101.37	44	Cyanide	101.37	1A	04/20/17
101.38	44	Cyanide	101.38	1A	04/20/17
101.39	44	Cyanide	101.39	1A	04/20/17
101.40	44	Cyanide	101.40	1A	04/20/17
101.41	44	Cyanide	101.41	1A	04/20/17
101.42	44	Cyanide	101.42	1A	04/20/17
101.43	44	Cyanide	101.43	1A	04/20/17
101.44	44	Cyanide	101.44	1A	04/20/17
101.45	44	Cyanide	101.45	1A	04/20/17
101.46	44	Cyanide	101.46	1A	04/20/17
101.47	44	Cyanide	101.47	1A	04/20/17
101.48	44	Cyanide	101.48	1A	04/20/17
101.49	44	Cyanide	101.49	1A	04/20/17
101.50	44	Cyanide	101.50	1A	04/20/17
101.51	44	Cyanide	101.51	1A	04/20/17
101.52	44	Cyanide	101.52	1A	04/20/17
101.53	44	Cyanide	101.53	1A	04/20/17
101.54	44	Cyanide	101.54	1A	04/20/17
101.55	44	Cyanide	101.55	1A	04/20/17
101.56	44	Cyanide	101.56	1A	04/20/17
101.57	44	Cyanide	101.57	1A	04/20/17
101.58	44	Cyanide	101.58	1A	04/20/17
101.59	44	Cyanide	101.59	1A	04/20/17
101.60	44	Cyanide	101.60	1A	04/20/17
101.61	44	Cyanide	101.61	1A	04/20/17
101.62	44	Cyanide	101.62	1A	04/20/17
101.63	44	Cyanide	101.63	1A	04/20/17
101.64	44	Cyanide	101.64	1A	04/20/17
101.65	44	Cyanide	101.65	1A	04/20/17
101.66	44	Cyanide	101.66	1A	04/20/17
101.67	44	Cyanide	101.67	1A	04/20/17
101.68	44	Cyanide	101.68	1A	04/20/17
101.69	44	Cyanide	101.69	1A	04/20/17
101.70	44	Cyanide	101.70	1A	04/20/17

*Lauren Boock*





Attached to Certificate of Accreditation D18-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 863-7058

DEP Laboratory ID: 02-06416  
EPA Lab Code: PA00164  
TNI Code: TN02151  
PAOWIS ID: 00416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Priority State	Effective Date
101.01		Asbestos (Total Suspended Solids)	ML 01	01	01/01/2018
101.02	1	Asbestos (Total Suspended Solids)	ML 02	01	01/01/2018
101.03		Asbestos (Total Suspended Solids)	ML 03	01	01/01/2018
101.04	1	Asbestos (Total Suspended Solids)	ML 04	01	01/01/2018
101.05	1	Asbestos (Total Suspended Solids)	ML 05	01	01/01/2018
101.06	1	Asbestos (Total Suspended Solids)	ML 06	01	01/01/2018
101.07	1	Asbestos (Total Suspended Solids)	ML 07	01	01/01/2018
101.08	1	Asbestos (Total Suspended Solids)	ML 08	01	01/01/2018
101.09	1	Asbestos (Total Suspended Solids)	ML 09	01	01/01/2018
101.10	1	Asbestos (Total Suspended Solids)	ML 10	01	01/01/2018
101.11	1	Asbestos (Total Suspended Solids)	ML 11	01	01/01/2018
101.12	1	Asbestos (Total Suspended Solids)	ML 12	01	01/01/2018
101.13	1	Asbestos (Total Suspended Solids)	ML 13	01	01/01/2018
101.14	1	Asbestos (Total Suspended Solids)	ML 14	01	01/01/2018
101.15	1	Asbestos (Total Suspended Solids)	ML 15	01	01/01/2018
101.16	1	Asbestos (Total Suspended Solids)	ML 16	01	01/01/2018
101.17	1	Asbestos (Total Suspended Solids)	ML 17	01	01/01/2018
101.18	1	Asbestos (Total Suspended Solids)	ML 18	01	01/01/2018
101.19	1	Asbestos (Total Suspended Solids)	ML 19	01	01/01/2018
101.20	1	Asbestos (Total Suspended Solids)	ML 20	01	01/01/2018
101.21	1	Asbestos (Total Suspended Solids)	ML 21	01	01/01/2018
101.22	1	Asbestos (Total Suspended Solids)	ML 22	01	01/01/2018
101.23	1	Asbestos (Total Suspended Solids)	ML 23	01	01/01/2018
101.24	1	Asbestos (Total Suspended Solids)	ML 24	01	01/01/2018
101.25	1	Asbestos (Total Suspended Solids)	ML 25	01	01/01/2018
101.26	1	Asbestos (Total Suspended Solids)	ML 26	01	01/01/2018
101.27	1	Asbestos (Total Suspended Solids)	ML 27	01	01/01/2018
101.28	1	Asbestos (Total Suspended Solids)	ML 28	01	01/01/2018
101.29	1	Asbestos (Total Suspended Solids)	ML 29	01	01/01/2018
101.30	1	Asbestos (Total Suspended Solids)	ML 30	01	01/01/2018
101.31	1	Asbestos (Total Suspended Solids)	ML 31	01	01/01/2018
101.32	1	Asbestos (Total Suspended Solids)	ML 32	01	01/01/2018
101.33	1	Asbestos (Total Suspended Solids)	ML 33	01	01/01/2018
101.34	1	Asbestos (Total Suspended Solids)	ML 34	01	01/01/2018
101.35	1	Asbestos (Total Suspended Solids)	ML 35	01	01/01/2018
101.36	1	Asbestos (Total Suspended Solids)	ML 36	01	01/01/2018
101.37	1	Asbestos (Total Suspended Solids)	ML 37	01	01/01/2018
101.38	1	Asbestos (Total Suspended Solids)	ML 38	01	01/01/2018
101.39	1	Asbestos (Total Suspended Solids)	ML 39	01	01/01/2018
101.40	1	Asbestos (Total Suspended Solids)	ML 40	01	01/01/2018
101.41	1	Asbestos (Total Suspended Solids)	ML 41	01	01/01/2018
101.42	1	Asbestos (Total Suspended Solids)	ML 42	01	01/01/2018
101.43	1	Asbestos (Total Suspended Solids)	ML 43	01	01/01/2018
101.44	1	Asbestos (Total Suspended Solids)	ML 44	01	01/01/2018
101.45	1	Asbestos (Total Suspended Solids)	ML 45	01	01/01/2018
101.46	1	Asbestos (Total Suspended Solids)	ML 46	01	01/01/2018
101.47	1	Asbestos (Total Suspended Solids)	ML 47	01	01/01/2018
101.48	1	Asbestos (Total Suspended Solids)	ML 48	01	01/01/2018
101.49	1	Asbestos (Total Suspended Solids)	ML 49	01	01/01/2018
101.50	1	Asbestos (Total Suspended Solids)	ML 50	01	01/01/2018
101.51	1	Asbestos (Total Suspended Solids)	ML 51	01	01/01/2018
101.52	1	Asbestos (Total Suspended Solids)	ML 52	01	01/01/2018
101.53	1	Asbestos (Total Suspended Solids)	ML 53	01	01/01/2018
101.54	1	Asbestos (Total Suspended Solids)	ML 54	01	01/01/2018
101.55	1	Asbestos (Total Suspended Solids)	ML 55	01	01/01/2018
101.56	1	Asbestos (Total Suspended Solids)	ML 56	01	01/01/2018
101.57	1	Asbestos (Total Suspended Solids)	ML 57	01	01/01/2018
101.58	1	Asbestos (Total Suspended Solids)	ML 58	01	01/01/2018
101.59	1	Asbestos (Total Suspended Solids)	ML 59	01	01/01/2018
101.60	1	Asbestos (Total Suspended Solids)	ML 60	01	01/01/2018
101.61	1	Asbestos (Total Suspended Solids)	ML 61	01	01/01/2018
101.62	1	Asbestos (Total Suspended Solids)	ML 62	01	01/01/2018
101.63	1	Asbestos (Total Suspended Solids)	ML 63	01	01/01/2018
101.64	1	Asbestos (Total Suspended Solids)	ML 64	01	01/01/2018
101.65	1	Asbestos (Total Suspended Solids)	ML 65	01	01/01/2018
101.66	1	Asbestos (Total Suspended Solids)	ML 66	01	01/01/2018
101.67	1	Asbestos (Total Suspended Solids)	ML 67	01	01/01/2018
101.68	1	Asbestos (Total Suspended Solids)	ML 68	01	01/01/2018
101.69	1	Asbestos (Total Suspended Solids)	ML 69	01	01/01/2018
101.70	1	Asbestos (Total Suspended Solids)	ML 70	01	01/01/2018
101.71	1	Asbestos (Total Suspended Solids)	ML 71	01	01/01/2018
101.72	1	Asbestos (Total Suspended Solids)	ML 72	01	01/01/2018
101.73	1	Asbestos (Total Suspended Solids)	ML 73	01	01/01/2018
101.74	1	Asbestos (Total Suspended Solids)	ML 74	01	01/01/2018
101.75	1	Asbestos (Total Suspended Solids)	ML 75	01	01/01/2018
101.76	1	Asbestos (Total Suspended Solids)	ML 76	01	01/01/2018
101.77	1	Asbestos (Total Suspended Solids)	ML 77	01	01/01/2018
101.78	1	Asbestos (Total Suspended Solids)	ML 78	01	01/01/2018
101.79	1	Asbestos (Total Suspended Solids)	ML 79	01	01/01/2018
101.80	1	Asbestos (Total Suspended Solids)	ML 80	01	01/01/2018
101.81	1	Asbestos (Total Suspended Solids)	ML 81	01	01/01/2018
101.82	1	Asbestos (Total Suspended Solids)	ML 82	01	01/01/2018
101.83	1	Asbestos (Total Suspended Solids)	ML 83	01	01/01/2018
101.84	1	Asbestos (Total Suspended Solids)	ML 84	01	01/01/2018
101.85	1	Asbestos (Total Suspended Solids)	ML 85	01	01/01/2018
101.86	1	Asbestos (Total Suspended Solids)	ML 86	01	01/01/2018
101.87	1	Asbestos (Total Suspended Solids)	ML 87	01	01/01/2018
101.88	1	Asbestos (Total Suspended Solids)	ML 88	01	01/01/2018
101.89	1	Asbestos (Total Suspended Solids)	ML 89	01	01/01/2018
101.90	1	Asbestos (Total Suspended Solids)	ML 90	01	01/01/2018
101.91	1	Asbestos (Total Suspended Solids)	ML 91	01	01/01/2018
101.92	1	Asbestos (Total Suspended Solids)	ML 92	01	01/01/2018
101.93	1	Asbestos (Total Suspended Solids)	ML 93	01	01/01/2018
101.94	1	Asbestos (Total Suspended Solids)	ML 94	01	01/01/2018
101.95	1	Asbestos (Total Suspended Solids)	ML 95	01	01/01/2018
101.96	1	Asbestos (Total Suspended Solids)	ML 96	01	01/01/2018
101.97	1	Asbestos (Total Suspended Solids)	ML 97	01	01/01/2018
101.98	1	Asbestos (Total Suspended Solids)	ML 98	01	01/01/2018
101.99	1	Asbestos (Total Suspended Solids)	ML 99	01	01/01/2018
102.00	1	Asbestos (Total Suspended Solids)	ML 00	01	01/01/2018

*Sharon Beach*

Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Finefina TestAmerica Laboratories Pittsburgh  
361 Alpha Drive  
Pittsburgh PA 15238  
(412) 963-7056

DEP Laboratory ID: 01-00416  
EPA Lab Code: PAD0164  
TNI Code: TNID2151  
PADWIS ID: D2416

Major: Non-Potable Water

Method	Parameter	Analyte	Accreditation Type	Primary State	Effective Date
153.010	1.01	Al	10,000	PA	06/21/2016
153.011	1.01	As	10,000	PA	06/21/2016
153.012	1.01	Cd	10,000	PA	06/21/2016
153.013	1.01	Cr	10,000	PA	06/21/2016
153.014	1.01	Hg	10,000	PA	06/21/2016
153.015	1.01	Mn	10,000	PA	06/21/2016
153.016	1.01	Pb	10,000	PA	06/21/2016
153.017	1.01	Se	10,000	PA	06/21/2016
153.018	1.01	V	10,000	PA	06/21/2016
153.019	1.01	Zn	10,000	PA	06/21/2016
153.020	1.02	Al	10,000	PA	06/21/2016
153.021	1.02	As	10,000	PA	06/21/2016
153.022	1.02	Cd	10,000	PA	06/21/2016
153.023	1.02	Cr	10,000	PA	06/21/2016
153.024	1.02	Hg	10,000	PA	06/21/2016
153.025	1.02	Mn	10,000	PA	06/21/2016
153.026	1.02	Pb	10,000	PA	06/21/2016
153.027	1.02	Se	10,000	PA	06/21/2016
153.028	1.02	V	10,000	PA	06/21/2016
153.029	1.02	Zn	10,000	PA	06/21/2016
153.030	1.03	Al	10,000	PA	06/21/2016
153.031	1.03	As	10,000	PA	06/21/2016
153.032	1.03	Cd	10,000	PA	06/21/2016
153.033	1.03	Cr	10,000	PA	06/21/2016
153.034	1.03	Hg	10,000	PA	06/21/2016
153.035	1.03	Mn	10,000	PA	06/21/2016
153.036	1.03	Pb	10,000	PA	06/21/2016
153.037	1.03	Se	10,000	PA	06/21/2016
153.038	1.03	V	10,000	PA	06/21/2016
153.039	1.03	Zn	10,000	PA	06/21/2016
153.040	1.04	Al	10,000	PA	06/21/2016
153.041	1.04	As	10,000	PA	06/21/2016
153.042	1.04	Cd	10,000	PA	06/21/2016
153.043	1.04	Cr	10,000	PA	06/21/2016
153.044	1.04	Hg	10,000	PA	06/21/2016
153.045	1.04	Mn	10,000	PA	06/21/2016
153.046	1.04	Pb	10,000	PA	06/21/2016
153.047	1.04	Se	10,000	PA	06/21/2016
153.048	1.04	V	10,000	PA	06/21/2016
153.049	1.04	Zn	10,000	PA	06/21/2016
153.050	1.05	Al	10,000	PA	06/21/2016
153.051	1.05	As	10,000	PA	06/21/2016
153.052	1.05	Cd	10,000	PA	06/21/2016
153.053	1.05	Cr	10,000	PA	06/21/2016
153.054	1.05	Hg	10,000	PA	06/21/2016
153.055	1.05	Mn	10,000	PA	06/21/2016
153.056	1.05	Pb	10,000	PA	06/21/2016
153.057	1.05	Se	10,000	PA	06/21/2016
153.058	1.05	V	10,000	PA	06/21/2016
153.059	1.05	Zn	10,000	PA	06/21/2016
153.060	1.06	Al	10,000	PA	06/21/2016
153.061	1.06	As	10,000	PA	06/21/2016
153.062	1.06	Cd	10,000	PA	06/21/2016
153.063	1.06	Cr	10,000	PA	06/21/2016
153.064	1.06	Hg	10,000	PA	06/21/2016
153.065	1.06	Mn	10,000	PA	06/21/2016
153.066	1.06	Pb	10,000	PA	06/21/2016
153.067	1.06	Se	10,000	PA	06/21/2016
153.068	1.06	V	10,000	PA	06/21/2016
153.069	1.06	Zn	10,000	PA	06/21/2016
153.070	1.07	Al	10,000	PA	06/21/2016
153.071	1.07	As	10,000	PA	06/21/2016
153.072	1.07	Cd	10,000	PA	06/21/2016
153.073	1.07	Cr	10,000	PA	06/21/2016
153.074	1.07	Hg	10,000	PA	06/21/2016
153.075	1.07	Mn	10,000	PA	06/21/2016
153.076	1.07	Pb	10,000	PA	06/21/2016
153.077	1.07	Se	10,000	PA	06/21/2016
153.078	1.07	V	10,000	PA	06/21/2016
153.079	1.07	Zn	10,000	PA	06/21/2016
153.080	1.08	Al	10,000	PA	06/21/2016
153.081	1.08	As	10,000	PA	06/21/2016
153.082	1.08	Cd	10,000	PA	06/21/2016
153.083	1.08	Cr	10,000	PA	06/21/2016
153.084	1.08	Hg	10,000	PA	06/21/2016
153.085	1.08	Mn	10,000	PA	06/21/2016
153.086	1.08	Pb	10,000	PA	06/21/2016
153.087	1.08	Se	10,000	PA	06/21/2016
153.088	1.08	V	10,000	PA	06/21/2016
153.089	1.08	Zn	10,000	PA	06/21/2016
153.090	1.09	Al	10,000	PA	06/21/2016
153.091	1.09	As	10,000	PA	06/21/2016
153.092	1.09	Cd	10,000	PA	06/21/2016
153.093	1.09	Cr	10,000	PA	06/21/2016
153.094	1.09	Hg	10,000	PA	06/21/2016
153.095	1.09	Mn	10,000	PA	06/21/2016
153.096	1.09	Pb	10,000	PA	06/21/2016
153.097	1.09	Se	10,000	PA	06/21/2016
153.098	1.09	V	10,000	PA	06/21/2016
153.099	1.09	Zn	10,000	PA	06/21/2016
153.100	1.10	Al	10,000	PA	06/21/2016
153.101	1.10	As	10,000	PA	06/21/2016
153.102	1.10	Cd	10,000	PA	06/21/2016
153.103	1.10	Cr	10,000	PA	06/21/2016
153.104	1.10	Hg	10,000	PA	06/21/2016
153.105	1.10	Mn	10,000	PA	06/21/2016
153.106	1.10	Pb	10,000	PA	06/21/2016
153.107	1.10	Se	10,000	PA	06/21/2016
153.108	1.10	V	10,000	PA	06/21/2016
153.109	1.10	Zn	10,000	PA	06/21/2016
153.110	1.11	Al	10,000	PA	06/21/2016
153.111	1.11	As	10,000	PA	06/21/2016
153.112	1.11	Cd	10,000	PA	06/21/2016
153.113	1.11	Cr	10,000	PA	06/21/2016
153.114	1.11	Hg	10,000	PA	06/21/2016
153.115	1.11	Mn	10,000	PA	06/21/2016
153.116	1.11	Pb	10,000	PA	06/21/2016
153.117	1.11	Se	10,000	PA	06/21/2016
153.118	1.11	V	10,000	PA	06/21/2016
153.119	1.11	Zn	10,000	PA	06/21/2016
153.120	1.12	Al	10,000	PA	06/21/2016
153.121	1.12	As	10,000	PA	06/21/2016
153.122	1.12	Cd	10,000	PA	06/21/2016
153.123	1.12	Cr	10,000	PA	06/21/2016
153.124	1.12	Hg	10,000	PA	06/21/2016
153.125	1.12	Mn	10,000	PA	06/21/2016
153.126	1.12	Pb	10,000	PA	06/21/2016
153.127	1.12	Se	10,000	PA	06/21/2016
153.128	1.12	V	10,000	PA	06/21/2016
153.129	1.12	Zn	10,000	PA	06/21/2016
153.130	1.13	Al	10,000	PA	06/21/2016
153.131	1.13	As	10,000	PA	06/21/2016
153.132	1.13	Cd	10,000	PA	06/21/2016
153.133	1.13	Cr	10,000	PA	06/21/2016
153.134	1.13	Hg	10,000	PA	06/21/2016
153.135	1.13	Mn	10,000	PA	06/21/2016
153.136	1.13	Pb	10,000	PA	06/21/2016
153.137	1.13	Se	10,000	PA	06/21/2016
153.138	1.13	V	10,000	PA	06/21/2016
153.139	1.13	Zn	10,000	PA	06/21/2016
153.140	1.14	Al	10,000	PA	06/21/2016
153.141	1.14	As	10,000	PA	06/21/2016
153.142	1.14	Cd	10,000	PA	06/21/2016
153.143	1.14	Cr	10,000	PA	06/21/2016
153.144	1.14	Hg	10,000	PA	06/21/2016
153.145	1.14	Mn	10,000	PA	06/21/2016
153.146	1.14	Pb	10,000	PA	06/21/2016
153.147	1.14	Se	10,000	PA	06/21/2016
153.148	1.14	V	10,000	PA	06/21/2016
153.149	1.14	Zn	10,000	PA	06/21/2016
153.150	1.15	Al	10,000	PA	06/21/2016
153.151	1.15	As	10,000	PA	06/21/2016
153.152	1.15	Cd	10,000	PA	06/21/2016
153.153	1.15	Cr	10,000	PA	06/21/2016
153.154	1.15	Hg	10,000	PA	06/21/2016
153.155	1.15	Mn	10,000	PA	06/21/2016
153.156	1.15	Pb	10,000	PA	06/21/2016
153.157	1.15	Se	10,000	PA	06/21/2016
153.158	1.15	V	10,000	PA	06/21/2016
153.159	1.15	Zn	10,000	PA	06/21/2016
153.160	1.16	Al	10,000	PA	06/21/2016
153.161	1.16	As	10,000	PA	06/21/2016
153.162	1.16	Cd	10,000	PA	06/21/2016
153.163	1.16	Cr	10,000	PA	06/21/2016
153.164	1.16	Hg	10,000	PA	06/21/2016
153.165	1.16	Mn	10,000	PA	06/21/2016
153.166	1.16	Pb	10,000	PA	06/21/2016
153.167	1.16	Se	10,000	PA	06/21/2016
153.168	1.16	V	10,000	PA	06/21/2016
153.169	1.16	Zn	10,000	PA	06/21/2016
153.170	1.17	Al	10,000	PA	06/21/2016
153.171	1.17	As	10,000	PA	06/21/2016
153.172	1.17	Cd	10,000	PA	06/21/2016
153.173	1.17	Cr	10,000	PA	06/21/2016
153.174	1.17	Hg	10,000	PA	06/21/2016
153.175	1.17	Mn	10,000	PA	06/21/2016
153.176	1.17	Pb	10,000	PA	06/21/2016
153.177	1.17	Se	10,000	PA	06/21/2016
153.178	1.17	V	10,000	PA	06/21/2016
153.179	1.17	Zn	10,000	PA	06/21/2016
153.180	1.18	Al	10,000	PA	06/21/2016
153.181	1.18	As	10,000	PA	06/21/2016
153.182	1.18	Cd	10,000	PA	06/21/2016
153.183	1.18	Cr	10,000	PA	06/21/2016
153.184	1.18	Hg	10,000	PA	06/21/2016
153.185	1.18	Mn	10,000	PA	06/21/2016
153.186	1.18	Pb	10,000	PA	06/21/2016
153.187	1.18	Se	10,000	PA	06/21/2016
153.188	1.18	V	10,000	PA	06/21/2016
153.189	1.18	Zn	10,000	PA	06/21/2016
153.190	1.19	Al	10,000	PA	06/21/2016
153.191	1.19	As	10,000	PA	06/21/2016
153.192	1.19	Cd	10,000	PA	06/21/2016
153.193	1.19	Cr	10,000	PA	06/21/2016
153.194	1.19	Hg	10,000	PA	







Attached to Certificate of Accreditation 018-003 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories Pittsburgh**  
107 Alpha Drive  
Pittsburgh, PA 15235  
(412) 461-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TH02151  
PAOWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Remarks	Analysis	Accreditation Type	Primary Scale	Effective Date
104.01		1,2-Dichloroethane, groundwater	MS-DL	UG	04/30/2017
105.01		1,4-Dichlorobenzene	MS-DL	UG	04/30/2017
106.01		1,4-Dioxane	MS-DL	UG	04/30/2017
107.01		1,4-Dioxin	MS-DL	UG	04/30/2017
108.01		1-Methyl-3-phenyl-5-pyrazolone	MS-DL	UG	04/30/2017
109.01		1-Naphthol	MS-DL	UG	04/30/2017
110.01		1-Naphthylamine	MS-DL	UG	04/30/2017
111.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
112.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
113.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
114.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
115.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
116.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
117.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
118.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
119.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
120.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
121.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
122.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
123.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
124.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
125.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
126.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
127.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
128.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
129.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
130.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
131.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
132.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
133.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
134.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
135.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
136.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
137.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
138.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
139.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
140.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
141.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
142.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
143.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
144.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
145.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
146.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
147.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
148.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
149.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
150.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
151.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
152.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
153.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
154.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
155.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
156.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
157.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
158.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
159.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
160.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
161.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
162.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
163.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
164.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
165.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
166.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
167.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
168.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
169.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
170.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
171.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
172.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
173.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
174.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
175.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
176.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
177.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
178.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
179.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
180.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
181.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
182.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
183.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
184.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
185.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
186.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
187.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
188.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
189.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
190.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
191.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
192.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
193.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
194.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
195.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
196.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
197.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
198.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
199.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017
200.01		1-Naphthylamine, hydrochloride	MS-DL	UG	04/30/2017

*Torrence Beach*



Attached to Certificate of Accreditation D15-022 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15208  
(412) 963-7058

DEP Laboratory ID: 03-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PAOWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary Status	Effective Date
156.101		Asbestos (total) - 10 Fibers/Liter	SL-MS	1	04/10/19
156.102		Asbestos (total) - 10 Fibers/Liter	SL-MS	2A	04/10/19
156.103		Asbestos (total)	SL-MS	1A	04/10/19
156.104		Asbestos (total) - 10 Fibers/Liter	SL-MS	2A	04/10/19
156.105		Asbestos (total)	SL-MS	2A	04/10/19
156.106		Asbestos (total)	SL-MS	2A	04/10/19
156.107		Asbestos (total)	SL-MS	2A	04/10/19
156.108		Asbestos (total)	SL-MS	2A	04/10/19
156.109		Asbestos (total)	SL-MS	2A	04/10/19
156.110		Asbestos (total)	SL-MS	2A	04/10/19
156.111		Asbestos (total)	SL-MS	2A	04/10/19
156.112		Asbestos (total)	SL-MS	2A	04/10/19
156.113		Asbestos (total)	SL-MS	2A	04/10/19
156.114		Asbestos (total)	SL-MS	2A	04/10/19
156.115		Asbestos (total)	SL-MS	2A	04/10/19
156.116		Asbestos (total)	SL-MS	2A	04/10/19
156.117		Asbestos (total)	SL-MS	2A	04/10/19
156.118		Asbestos (total)	SL-MS	2A	04/10/19
156.119		Asbestos (total)	SL-MS	2A	04/10/19
156.120		Asbestos (total)	SL-MS	2A	04/10/19
156.121		Asbestos (total)	SL-MS	2A	04/10/19
156.122		Asbestos (total)	SL-MS	2A	04/10/19
156.123		Asbestos (total)	SL-MS	2A	04/10/19
156.124		Asbestos (total)	SL-MS	2A	04/10/19
156.125		Asbestos (total)	SL-MS	2A	04/10/19
156.126		Asbestos (total)	SL-MS	2A	04/10/19
156.127		Asbestos (total)	SL-MS	2A	04/10/19
156.128		Asbestos (total)	SL-MS	2A	04/10/19
156.129		Asbestos (total)	SL-MS	2A	04/10/19
156.130		Asbestos (total)	SL-MS	2A	04/10/19
156.131		Asbestos (total)	SL-MS	2A	04/10/19
156.132		Asbestos (total)	SL-MS	2A	04/10/19
156.133		Asbestos (total)	SL-MS	2A	04/10/19
156.134		Asbestos (total)	SL-MS	2A	04/10/19
156.135		Asbestos (total)	SL-MS	2A	04/10/19
156.136		Asbestos (total)	SL-MS	2A	04/10/19
156.137		Asbestos (total)	SL-MS	2A	04/10/19
156.138		Asbestos (total)	SL-MS	2A	04/10/19
156.139		Asbestos (total)	SL-MS	2A	04/10/19
156.140		Asbestos (total)	SL-MS	2A	04/10/19
156.141		Asbestos (total)	SL-MS	2A	04/10/19
156.142		Asbestos (total)	SL-MS	2A	04/10/19
156.143		Asbestos (total)	SL-MS	2A	04/10/19
156.144		Asbestos (total)	SL-MS	2A	04/10/19
156.145		Asbestos (total)	SL-MS	2A	04/10/19
156.146		Asbestos (total)	SL-MS	2A	04/10/19
156.147		Asbestos (total)	SL-MS	2A	04/10/19
156.148		Asbestos (total)	SL-MS	2A	04/10/19
156.149		Asbestos (total)	SL-MS	2A	04/10/19
156.150		Asbestos (total)	SL-MS	2A	04/10/19
156.151		Asbestos (total)	SL-MS	2A	04/10/19
156.152		Asbestos (total)	SL-MS	2A	04/10/19
156.153		Asbestos (total)	SL-MS	2A	04/10/19
156.154		Asbestos (total)	SL-MS	2A	04/10/19
156.155		Asbestos (total)	SL-MS	2A	04/10/19
156.156		Asbestos (total)	SL-MS	2A	04/10/19
156.157		Asbestos (total)	SL-MS	2A	04/10/19
156.158		Asbestos (total)	SL-MS	2A	04/10/19
156.159		Asbestos (total)	SL-MS	2A	04/10/19
156.160		Asbestos (total)	SL-MS	2A	04/10/19
156.161		Asbestos (total)	SL-MS	2A	04/10/19
156.162		Asbestos (total)	SL-MS	2A	04/10/19
156.163		Asbestos (total)	SL-MS	2A	04/10/19
156.164		Asbestos (total)	SL-MS	2A	04/10/19
156.165		Asbestos (total)	SL-MS	2A	04/10/19
156.166		Asbestos (total)	SL-MS	2A	04/10/19
156.167		Asbestos (total)	SL-MS	2A	04/10/19
156.168		Asbestos (total)	SL-MS	2A	04/10/19
156.169		Asbestos (total)	SL-MS	2A	04/10/19
156.170		Asbestos (total)	SL-MS	2A	04/10/19
156.171		Asbestos (total)	SL-MS	2A	04/10/19
156.172		Asbestos (total)	SL-MS	2A	04/10/19
156.173		Asbestos (total)	SL-MS	2A	04/10/19
156.174		Asbestos (total)	SL-MS	2A	04/10/19
156.175		Asbestos (total)	SL-MS	2A	04/10/19
156.176		Asbestos (total)	SL-MS	2A	04/10/19
156.177		Asbestos (total)	SL-MS	2A	04/10/19
156.178		Asbestos (total)	SL-MS	2A	04/10/19
156.179		Asbestos (total)	SL-MS	2A	04/10/19
156.180		Asbestos (total)	SL-MS	2A	04/10/19
156.181		Asbestos (total)	SL-MS	2A	04/10/19
156.182		Asbestos (total)	SL-MS	2A	04/10/19
156.183		Asbestos (total)	SL-MS	2A	04/10/19
156.184		Asbestos (total)	SL-MS	2A	04/10/19
156.185		Asbestos (total)	SL-MS	2A	04/10/19
156.186		Asbestos (total)	SL-MS	2A	04/10/19
156.187		Asbestos (total)	SL-MS	2A	04/10/19
156.188		Asbestos (total)	SL-MS	2A	04/10/19
156.189		Asbestos (total)	SL-MS	2A	04/10/19
156.190		Asbestos (total)	SL-MS	2A	04/10/19
156.191		Asbestos (total)	SL-MS	2A	04/10/19
156.192		Asbestos (total)	SL-MS	2A	04/10/19
156.193		Asbestos (total)	SL-MS	2A	04/10/19
156.194		Asbestos (total)	SL-MS	2A	04/10/19
156.195		Asbestos (total)	SL-MS	2A	04/10/19
156.196		Asbestos (total)	SL-MS	2A	04/10/19
156.197		Asbestos (total)	SL-MS	2A	04/10/19
156.198		Asbestos (total)	SL-MS	2A	04/10/19
156.199		Asbestos (total)	SL-MS	2A	04/10/19
156.200		Asbestos (total)	SL-MS	2A	04/10/19



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a TNI AP recognized Accredited Body. Customers are urged to verify the laboratory's current accreditation standing.







Attached to Certificate of Accreditation D18-002 expiration date 04/30/2021. This listing of accredited analyses should be used only when associated with a valid certificate of accreditation

**Eurofins TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15203  
(412) 963-7058

DEP Laboratory ID: 02-00418  
EPA Lab Code: PA00164  
TNI Code: TN02151  
PAIDMS ID: 02418

**Matrix: Non-Potable Water**

Method	Residue	Analyte	Accreditation Test	Primary State	Effective Date
100.101	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.102	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.103	Traceable	Traceable	MS-201	PA	04/15/2018
100.104	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.105	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.106	Traceable	Traceable	MS-201	PA	04/15/2018
100.107	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.108	Traceable	Traceable	MS-201	PA	04/15/2018
100.109	Traceable Methods	Traceable Methods	MS-201	PA	04/15/2018
100.110	Traceable	Traceable	MS-201	PA	04/15/2018
100.111	Traceable	Traceable	MS-201	PA	04/15/2018
100.112	Traceable	Traceable	MS-201	PA	04/15/2018
100.113	Traceable	Traceable	MS-201	PA	04/15/2018
100.114	Traceable	Traceable	MS-201	PA	04/15/2018
100.115	Traceable	Traceable	MS-201	PA	04/15/2018
100.116	Traceable	Traceable	MS-201	PA	04/15/2018
100.117	Traceable	Traceable	MS-201	PA	04/15/2018
100.118	Traceable	Traceable	MS-201	PA	04/15/2018
100.119	Traceable	Traceable	MS-201	PA	04/15/2018
100.120	Traceable	Traceable	MS-201	PA	04/15/2018
100.121	Traceable	Traceable	MS-201	PA	04/15/2018
100.122	Traceable	Traceable	MS-201	PA	04/15/2018
100.123	Traceable	Traceable	MS-201	PA	04/15/2018
100.124	Traceable	Traceable	MS-201	PA	04/15/2018
100.125	Traceable	Traceable	MS-201	PA	04/15/2018
100.126	Traceable	Traceable	MS-201	PA	04/15/2018
100.127	Traceable	Traceable	MS-201	PA	04/15/2018
100.128	Traceable	Traceable	MS-201	PA	04/15/2018
100.129	Traceable	Traceable	MS-201	PA	04/15/2018
100.130	Traceable	Traceable	MS-201	PA	04/15/2018
100.131	Traceable	Traceable	MS-201	PA	04/15/2018
100.132	Traceable	Traceable	MS-201	PA	04/15/2018
100.133	Traceable	Traceable	MS-201	PA	04/15/2018
100.134	Traceable	Traceable	MS-201	PA	04/15/2018
100.135	Traceable	Traceable	MS-201	PA	04/15/2018
100.136	Traceable	Traceable	MS-201	PA	04/15/2018
100.137	Traceable	Traceable	MS-201	PA	04/15/2018
100.138	Traceable	Traceable	MS-201	PA	04/15/2018
100.139	Traceable	Traceable	MS-201	PA	04/15/2018
100.140	Traceable	Traceable	MS-201	PA	04/15/2018
100.141	Traceable	Traceable	MS-201	PA	04/15/2018
100.142	Traceable	Traceable	MS-201	PA	04/15/2018
100.143	Traceable	Traceable	MS-201	PA	04/15/2018
100.144	Traceable	Traceable	MS-201	PA	04/15/2018
100.145	Traceable	Traceable	MS-201	PA	04/15/2018
100.146	Traceable	Traceable	MS-201	PA	04/15/2018
100.147	Traceable	Traceable	MS-201	PA	04/15/2018
100.148	Traceable	Traceable	MS-201	PA	04/15/2018
100.149	Traceable	Traceable	MS-201	PA	04/15/2018
100.150	Traceable	Traceable	MS-201	PA	04/15/2018
100.151	Traceable	Traceable	MS-201	PA	04/15/2018
100.152	Traceable	Traceable	MS-201	PA	04/15/2018
100.153	Traceable	Traceable	MS-201	PA	04/15/2018
100.154	Traceable	Traceable	MS-201	PA	04/15/2018
100.155	Traceable	Traceable	MS-201	PA	04/15/2018
100.156	Traceable	Traceable	MS-201	PA	04/15/2018
100.157	Traceable	Traceable	MS-201	PA	04/15/2018
100.158	Traceable	Traceable	MS-201	PA	04/15/2018
100.159	Traceable	Traceable	MS-201	PA	04/15/2018
100.160	Traceable	Traceable	MS-201	PA	04/15/2018
100.161	Traceable	Traceable	MS-201	PA	04/15/2018
100.162	Traceable	Traceable	MS-201	PA	04/15/2018
100.163	Traceable	Traceable	MS-201	PA	04/15/2018
100.164	Traceable	Traceable	MS-201	PA	04/15/2018
100.165	Traceable	Traceable	MS-201	PA	04/15/2018
100.166	Traceable	Traceable	MS-201	PA	04/15/2018
100.167	Traceable	Traceable	MS-201	PA	04/15/2018
100.168	Traceable	Traceable	MS-201	PA	04/15/2018
100.169	Traceable	Traceable	MS-201	PA	04/15/2018
100.170	Traceable	Traceable	MS-201	PA	04/15/2018
100.171	Traceable	Traceable	MS-201	PA	04/15/2018
100.172	Traceable	Traceable	MS-201	PA	04/15/2018
100.173	Traceable	Traceable	MS-201	PA	04/15/2018
100.174	Traceable	Traceable	MS-201	PA	04/15/2018
100.175	Traceable	Traceable	MS-201	PA	04/15/2018
100.176	Traceable	Traceable	MS-201	PA	04/15/2018
100.177	Traceable	Traceable	MS-201	PA	04/15/2018
100.178	Traceable	Traceable	MS-201	PA	04/15/2018
100.179	Traceable	Traceable	MS-201	PA	04/15/2018
100.180	Traceable	Traceable	MS-201	PA	04/15/2018
100.181	Traceable	Traceable	MS-201	PA	04/15/2018
100.182	Traceable	Traceable	MS-201	PA	04/15/2018
100.183	Traceable	Traceable	MS-201	PA	04/15/2018
100.184	Traceable	Traceable	MS-201	PA	04/15/2018
100.185	Traceable	Traceable	MS-201	PA	04/15/2018
100.186	Traceable	Traceable	MS-201	PA	04/15/2018
100.187	Traceable	Traceable	MS-201	PA	04/15/2018
100.188	Traceable	Traceable	MS-201	PA	04/15/2018
100.189	Traceable	Traceable	MS-201	PA	04/15/2018
100.190	Traceable	Traceable	MS-201	PA	04/15/2018
100.191	Traceable	Traceable	MS-201	PA	04/15/2018
100.192	Traceable	Traceable	MS-201	PA	04/15/2018
100.193	Traceable	Traceable	MS-201	PA	04/15/2018
100.194	Traceable	Traceable	MS-201	PA	04/15/2018
100.195	Traceable	Traceable	MS-201	PA	04/15/2018
100.196	Traceable	Traceable	MS-201	PA	04/15/2018
100.197	Traceable	Traceable	MS-201	PA	04/15/2018
100.198	Traceable	Traceable	MS-201	PA	04/15/2018
100.199	Traceable	Traceable	MS-201	PA	04/15/2018
100.200	Traceable	Traceable	MS-201	PA	04/15/2018

*Christine Beach*

The Pennsylvania Department of Environmental Protection (PA DEP) Accredited Laboratory Program is a NEQAP program and Accreditation Body. Customers are urged to verify the laboratory's commitment and standing.





Attached to Certificate of Accreditation 014-003 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation

Eurofins TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PAOWS ID: 02416

**Mutual Non-Potable Water**

Method	Regulation	Analyte	Accreditation Type	Primary State	Effective Date
101.01	192.103	Ammonia Nitrogen	101.01	PA	04/30/2016
101.02	192.103	Ammonia Nitrogen - Direct Ammonium	101.02	PA	04/30/2016
101.03	192.103	Ammonium	101.03	PA	04/30/2016
101.04	192.103	Ammonium	101.04	PA	04/30/2016
101.05	192.103	Ammonium	101.05	PA	04/30/2016
101.06	192.103	Ammonium Nitrate	101.06	PA	04/30/2016
101.07	192.103	Ammonium Nitrate	101.07	PA	04/30/2016
101.08	192.103	Ammonium Nitrate	101.08	PA	04/30/2016
101.09	192.103	Ammonium Nitrate	101.09	PA	04/30/2016
101.10	192.103	Ammonium Nitrate	101.10	PA	04/30/2016
101.11	192.103	Ammonium Nitrate	101.11	PA	04/30/2016
101.12	192.103	Ammonium Nitrate	101.12	PA	04/30/2016
101.13	192.103	Ammonium Nitrate	101.13	PA	04/30/2016
101.14	192.103	Ammonium Nitrate	101.14	PA	04/30/2016
101.15	192.103	Ammonium Nitrate	101.15	PA	04/30/2016
101.16	192.103	Ammonium Nitrate	101.16	PA	04/30/2016
101.17	192.103	Ammonium Nitrate	101.17	PA	04/30/2016
101.18	192.103	Ammonium Nitrate	101.18	PA	04/30/2016
101.19	192.103	Ammonium Nitrate	101.19	PA	04/30/2016
101.20	192.103	Ammonium Nitrate	101.20	PA	04/30/2016
101.21	192.103	Ammonium Nitrate	101.21	PA	04/30/2016
101.22	192.103	Ammonium Nitrate	101.22	PA	04/30/2016
101.23	192.103	Ammonium Nitrate	101.23	PA	04/30/2016
101.24	192.103	Ammonium Nitrate	101.24	PA	04/30/2016
101.25	192.103	Ammonium Nitrate	101.25	PA	04/30/2016
101.26	192.103	Ammonium Nitrate	101.26	PA	04/30/2016
101.27	192.103	Ammonium Nitrate	101.27	PA	04/30/2016
101.28	192.103	Ammonium Nitrate	101.28	PA	04/30/2016
101.29	192.103	Ammonium Nitrate	101.29	PA	04/30/2016
101.30	192.103	Ammonium Nitrate	101.30	PA	04/30/2016
101.31	192.103	Ammonium Nitrate	101.31	PA	04/30/2016
101.32	192.103	Ammonium Nitrate	101.32	PA	04/30/2016
101.33	192.103	Ammonium Nitrate	101.33	PA	04/30/2016
101.34	192.103	Ammonium Nitrate	101.34	PA	04/30/2016
101.35	192.103	Ammonium Nitrate	101.35	PA	04/30/2016
101.36	192.103	Ammonium Nitrate	101.36	PA	04/30/2016
101.37	192.103	Ammonium Nitrate	101.37	PA	04/30/2016
101.38	192.103	Ammonium Nitrate	101.38	PA	04/30/2016
101.39	192.103	Ammonium Nitrate	101.39	PA	04/30/2016
101.40	192.103	Ammonium Nitrate	101.40	PA	04/30/2016
101.41	192.103	Ammonium Nitrate	101.41	PA	04/30/2016
101.42	192.103	Ammonium Nitrate	101.42	PA	04/30/2016
101.43	192.103	Ammonium Nitrate	101.43	PA	04/30/2016
101.44	192.103	Ammonium Nitrate	101.44	PA	04/30/2016
101.45	192.103	Ammonium Nitrate	101.45	PA	04/30/2016
101.46	192.103	Ammonium Nitrate	101.46	PA	04/30/2016
101.47	192.103	Ammonium Nitrate	101.47	PA	04/30/2016
101.48	192.103	Ammonium Nitrate	101.48	PA	04/30/2016
101.49	192.103	Ammonium Nitrate	101.49	PA	04/30/2016
101.50	192.103	Ammonium Nitrate	101.50	PA	04/30/2016
101.51	192.103	Ammonium Nitrate	101.51	PA	04/30/2016
101.52	192.103	Ammonium Nitrate	101.52	PA	04/30/2016
101.53	192.103	Ammonium Nitrate	101.53	PA	04/30/2016
101.54	192.103	Ammonium Nitrate	101.54	PA	04/30/2016
101.55	192.103	Ammonium Nitrate	101.55	PA	04/30/2016
101.56	192.103	Ammonium Nitrate	101.56	PA	04/30/2016
101.57	192.103	Ammonium Nitrate	101.57	PA	04/30/2016
101.58	192.103	Ammonium Nitrate	101.58	PA	04/30/2016
101.59	192.103	Ammonium Nitrate	101.59	PA	04/30/2016
101.60	192.103	Ammonium Nitrate	101.60	PA	04/30/2016
101.61	192.103	Ammonium Nitrate	101.61	PA	04/30/2016
101.62	192.103	Ammonium Nitrate	101.62	PA	04/30/2016
101.63	192.103	Ammonium Nitrate	101.63	PA	04/30/2016
101.64	192.103	Ammonium Nitrate	101.64	PA	04/30/2016
101.65	192.103	Ammonium Nitrate	101.65	PA	04/30/2016
101.66	192.103	Ammonium Nitrate	101.66	PA	04/30/2016
101.67	192.103	Ammonium Nitrate	101.67	PA	04/30/2016
101.68	192.103	Ammonium Nitrate	101.68	PA	04/30/2016
101.69	192.103	Ammonium Nitrate	101.69	PA	04/30/2016
101.70	192.103	Ammonium Nitrate	101.70	PA	04/30/2016
101.71	192.103	Ammonium Nitrate	101.71	PA	04/30/2016
101.72	192.103	Ammonium Nitrate	101.72	PA	04/30/2016
101.73	192.103	Ammonium Nitrate	101.73	PA	04/30/2016
101.74	192.103	Ammonium Nitrate	101.74	PA	04/30/2016
101.75	192.103	Ammonium Nitrate	101.75	PA	04/30/2016
101.76	192.103	Ammonium Nitrate	101.76	PA	04/30/2016
101.77	192.103	Ammonium Nitrate	101.77	PA	04/30/2016
101.78	192.103	Ammonium Nitrate	101.78	PA	04/30/2016
101.79	192.103	Ammonium Nitrate	101.79	PA	04/30/2016
101.80	192.103	Ammonium Nitrate	101.80	PA	04/30/2016
101.81	192.103	Ammonium Nitrate	101.81	PA	04/30/2016
101.82	192.103	Ammonium Nitrate	101.82	PA	04/30/2016
101.83	192.103	Ammonium Nitrate	101.83	PA	04/30/2016
101.84	192.103	Ammonium Nitrate	101.84	PA	04/30/2016
101.85	192.103	Ammonium Nitrate	101.85	PA	04/30/2016
101.86	192.103	Ammonium Nitrate	101.86	PA	04/30/2016
101.87	192.103	Ammonium Nitrate	101.87	PA	04/30/2016
101.88	192.103	Ammonium Nitrate	101.88	PA	04/30/2016
101.89	192.103	Ammonium Nitrate	101.89	PA	04/30/2016
101.90	192.103	Ammonium Nitrate	101.90	PA	04/30/2016
101.91	192.103	Ammonium Nitrate	101.91	PA	04/30/2016
101.92	192.103	Ammonium Nitrate	101.92	PA	04/30/2016
101.93	192.103	Ammonium Nitrate	101.93	PA	04/30/2016
101.94	192.103	Ammonium Nitrate	101.94	PA	04/30/2016
101.95	192.103	Ammonium Nitrate	101.95	PA	04/30/2016
101.96	192.103	Ammonium Nitrate	101.96	PA	04/30/2016
101.97	192.103	Ammonium Nitrate	101.97	PA	04/30/2016
101.98	192.103	Ammonium Nitrate	101.98	PA	04/30/2016
101.99	192.103	Ammonium Nitrate	101.99	PA	04/30/2016
102.00	192.103	Ammonium Nitrate	102.00	PA	04/30/2016





Attached to Certificate of Accreditation 014-092 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Furlong TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DEP Laboratory ID: D2-00416  
EPA Lab Code: PAD0164  
TNI Code: 1NH2151  
PADWQS ID: 02416

Matrix: Non-Potable Water

Method	Reagent	Analyte	Accreditation Type	Primary State	Effective Date
10102	10102	Asbestos (Total) (State of PA)	99.00	PA	4/15/19
10103	10103	Asbestos (Total)	99.00	PA	4/15/19
10104	10104	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10105	10105	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10106	10106	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10107	10107	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10108	10108	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10109	10109	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10110	10110	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10111	10111	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10112	10112	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10113	10113	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10114	10114	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10115	10115	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10116	10116	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10117	10117	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10118	10118	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10119	10119	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10120	10120	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10121	10121	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10122	10122	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10123	10123	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10124	10124	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10125	10125	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10126	10126	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10127	10127	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10128	10128	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10129	10129	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10130	10130	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10131	10131	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10132	10132	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10133	10133	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10134	10134	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10135	10135	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10136	10136	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10137	10137	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10138	10138	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10139	10139	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10140	10140	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10141	10141	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10142	10142	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10143	10143	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10144	10144	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10145	10145	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10146	10146	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10147	10147	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10148	10148	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10149	10149	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10150	10150	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10151	10151	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10152	10152	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10153	10153	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10154	10154	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10155	10155	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10156	10156	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10157	10157	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10158	10158	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10159	10159	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10160	10160	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10161	10161	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10162	10162	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10163	10163	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10164	10164	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10165	10165	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10166	10166	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10167	10167	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10168	10168	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10169	10169	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10170	10170	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10171	10171	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10172	10172	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10173	10173	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10174	10174	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10175	10175	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10176	10176	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10177	10177	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10178	10178	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10179	10179	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10180	10180	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10181	10181	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10182	10182	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10183	10183	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10184	10184	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10185	10185	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10186	10186	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10187	10187	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10188	10188	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10189	10189	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10190	10190	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10191	10191	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10192	10192	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10193	10193	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10194	10194	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10195	10195	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10196	10196	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10197	10197	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10198	10198	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10199	10199	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19
10200	10200	Asbestos (Total) (Total) (Total)	99.00	PA	4/15/19





Attached to Certificate of Accreditation 0-10-002 expiration date 04/30/2021 This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Europa TestAmerica Laboratories Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15218  
(412) 941-7000

**DEP Laboratory ID: 02-00416**  
**EPA Lab Code: PA00164**  
**TYC Code: TN032\*51**  
**PAQWYS ID: 02416**

**Matrix: Non-Potable Water**

Method	Matrix	Analyte	Accreditation Type	Primary State	Effective Date
1001.01	Water	Asbestos	SL-01	PA	04/10/19
1001.02	Water	Asbestos	SL-01	PA	04/10/19
1001.03	Water	Asbestos	SL-01	PA	04/10/19
1001.04	Water	Asbestos	SL-01	PA	04/10/19
1001.05	Water	Asbestos	SL-01	PA	04/10/19
1001.06	Water	Asbestos	SL-01	PA	04/10/19
1001.07	Water	Asbestos	SL-01	PA	04/10/19
1001.08	Water	Asbestos	SL-01	PA	04/10/19
1001.09	Water	Asbestos	SL-01	PA	04/10/19
1001.10	Water	Asbestos	SL-01	PA	04/10/19
1001.11	Water	Asbestos	SL-01	PA	04/10/19
1001.12	Water	Asbestos	SL-01	PA	04/10/19
1001.13	Water	Asbestos	SL-01	PA	04/10/19
1001.14	Water	Asbestos	SL-01	PA	04/10/19
1001.15	Water	Asbestos	SL-01	PA	04/10/19
1001.16	Water	Asbestos	SL-01	PA	04/10/19
1001.17	Water	Asbestos	SL-01	PA	04/10/19
1001.18	Water	Asbestos	SL-01	PA	04/10/19
1001.19	Water	Asbestos	SL-01	PA	04/10/19
1001.20	Water	Asbestos	SL-01	PA	04/10/19
1001.21	Water	Asbestos	SL-01	PA	04/10/19
1001.22	Water	Asbestos	SL-01	PA	04/10/19
1001.23	Water	Asbestos	SL-01	PA	04/10/19
1001.24	Water	Asbestos	SL-01	PA	04/10/19
1001.25	Water	Asbestos	SL-01	PA	04/10/19
1001.26	Water	Asbestos	SL-01	PA	04/10/19
1001.27	Water	Asbestos	SL-01	PA	04/10/19
1001.28	Water	Asbestos	SL-01	PA	04/10/19
1001.29	Water	Asbestos	SL-01	PA	04/10/19
1001.30	Water	Asbestos	SL-01	PA	04/10/19
1001.31	Water	Asbestos	SL-01	PA	04/10/19
1001.32	Water	Asbestos	SL-01	PA	04/10/19
1001.33	Water	Asbestos	SL-01	PA	04/10/19
1001.34	Water	Asbestos	SL-01	PA	04/10/19
1001.35	Water	Asbestos	SL-01	PA	04/10/19
1001.36	Water	Asbestos	SL-01	PA	04/10/19
1001.37	Water	Asbestos	SL-01	PA	04/10/19
1001.38	Water	Asbestos	SL-01	PA	04/10/19
1001.39	Water	Asbestos	SL-01	PA	04/10/19
1001.40	Water	Asbestos	SL-01	PA	04/10/19
1001.41	Water	Asbestos	SL-01	PA	04/10/19
1001.42	Water	Asbestos	SL-01	PA	04/10/19
1001.43	Water	Asbestos	SL-01	PA	04/10/19
1001.44	Water	Asbestos	SL-01	PA	04/10/19
1001.45	Water	Asbestos	SL-01	PA	04/10/19
1001.46	Water	Asbestos	SL-01	PA	04/10/19
1001.47	Water	Asbestos	SL-01	PA	04/10/19
1001.48	Water	Asbestos	SL-01	PA	04/10/19
1001.49	Water	Asbestos	SL-01	PA	04/10/19
1001.50	Water	Asbestos	SL-01	PA	04/10/19
1001.51	Water	Asbestos	SL-01	PA	04/10/19
1001.52	Water	Asbestos	SL-01	PA	04/10/19
1001.53	Water	Asbestos	SL-01	PA	04/10/19
1001.54	Water	Asbestos	SL-01	PA	04/10/19
1001.55	Water	Asbestos	SL-01	PA	04/10/19
1001.56	Water	Asbestos	SL-01	PA	04/10/19
1001.57	Water	Asbestos	SL-01	PA	04/10/19
1001.58	Water	Asbestos	SL-01	PA	04/10/19
1001.59	Water	Asbestos	SL-01	PA	04/10/19
1001.60	Water	Asbestos	SL-01	PA	04/10/19
1001.61	Water	Asbestos	SL-01	PA	04/10/19
1001.62	Water	Asbestos	SL-01	PA	04/10/19
1001.63	Water	Asbestos	SL-01	PA	04/10/19
1001.64	Water	Asbestos	SL-01	PA	04/10/19
1001.65	Water	Asbestos	SL-01	PA	04/10/19
1001.66	Water	Asbestos	SL-01	PA	04/10/19
1001.67	Water	Asbestos	SL-01	PA	04/10/19
1001.68	Water	Asbestos	SL-01	PA	04/10/19
1001.69	Water	Asbestos	SL-01	PA	04/10/19
1001.70	Water	Asbestos	SL-01	PA	04/10/19
1001.71	Water	Asbestos	SL-01	PA	04/10/19
1001.72	Water	Asbestos	SL-01	PA	04/10/19
1001.73	Water	Asbestos	SL-01	PA	04/10/19
1001.74	Water	Asbestos	SL-01	PA	04/10/19
1001.75	Water	Asbestos	SL-01	PA	04/10/19
1001.76	Water	Asbestos	SL-01	PA	04/10/19
1001.77	Water	Asbestos	SL-01	PA	04/10/19
1001.78	Water	Asbestos	SL-01	PA	04/10/19
1001.79	Water	Asbestos	SL-01	PA	04/10/19
1001.80	Water	Asbestos	SL-01	PA	04/10/19
1001.81	Water	Asbestos	SL-01	PA	04/10/19
1001.82	Water	Asbestos	SL-01	PA	04/10/19
1001.83	Water	Asbestos	SL-01	PA	04/10/19
1001.84	Water	Asbestos	SL-01	PA	04/10/19
1001.85	Water	Asbestos	SL-01	PA	04/10/19
1001.86	Water	Asbestos	SL-01	PA	04/10/19
1001.87	Water	Asbestos	SL-01	PA	04/10/19
1001.88	Water	Asbestos	SL-01	PA	04/10/19
1001.89	Water	Asbestos	SL-01	PA	04/10/19
1001.90	Water	Asbestos	SL-01	PA	04/10/19
1001.91	Water	Asbestos	SL-01	PA	04/10/19
1001.92	Water	Asbestos	SL-01	PA	04/10/19
1001.93	Water	Asbestos	SL-01	PA	04/10/19
1001.94	Water	Asbestos	SL-01	PA	04/10/19
1001.95	Water	Asbestos	SL-01	PA	04/10/19
1001.96	Water	Asbestos	SL-01	PA	04/10/19
1001.97	Water	Asbestos	SL-01	PA	04/10/19
1001.98	Water	Asbestos	SL-01	PA	04/10/19
1001.99	Water	Asbestos	SL-01	PA	04/10/19
1002.00	Water	Asbestos	SL-01	PA	04/10/19

*J. Anne Black*



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories-Pittsburgh**  
105 Alpha Drive  
Pittsburgh PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TH 02151  
PADMS ID: 02416

**Matrix: Non-Potable Water**

Method	Range	Analyte	Accreditation Type	Primary State	Effective Date
100.101		Asbestos	SL-001	PA	04/15/2014
100.102		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.103		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.104		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.105		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.106		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.107		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.108	1	Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.109	2	Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.110		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.111		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.112		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.113		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.114		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.115		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.116		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.117		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.118		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.119		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.120		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.121		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.122		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.123		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.124		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.125		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.126		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.127		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.128		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.129		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.130		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.131		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.132		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.133		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.134		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.135		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.136		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.137		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.138		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.139		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.140		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.141		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.142		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.143		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.144		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.145		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.146		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.147		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.148		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.149		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.150		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.151		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.152		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.153		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.154		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.155		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.156		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.157		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.158		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.159		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.160		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.161		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.162		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.163		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.164		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.165		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.166		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.167		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.168		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.169		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.170		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.171		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.172		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.173		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.174		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.175		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.176		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.177		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.178		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.179		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.180		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.181		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.182		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.183		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.184		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.185		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.186		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.187		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.188		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.189		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.190		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.191		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.192		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.193		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.194		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.195		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.196		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.197		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.198		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.199		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014
100.200		Asbestos (Total Asbestos)	SL-001	PA	04/15/2014



The Pennsylvania Department of Environmental Protection (PA DEP) is a fully accredited laboratory. PA DEP is recognized by the American Public Health Association (APHA) as a fully accredited laboratory. The laboratory's current accreditation is listed below.



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Lording ToolAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 961-7038

OEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TN02153  
PA0WIS ID: 02416

Matrix: Non-Potable Water

Method	Reaction	Analyte	Accreditation Type	Primary State	Effective Date
112.911	A.11	Lead (Pb) in water (as lead) (mg/L)	MS-D	PA	11/11/2014
112.912	A.11	Cadmium (Cd) in water (as Cd) (mg/L)	MS-D	PA	4/15/2014
112.913	A.11	Mercury (Hg) in water (as Hg) (mg/L)	MS-D	PA	01/20/2014
112.914	A.11	General Hardness in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	4/15/2014
112.915	A.11	Calcium (Ca) in water (as Ca) (mg/L)	MS-D	PA	11/11/2014
112.916	A.11	Magnesium (Mg) in water (as Mg) (mg/L)	MS-D	PA	11/11/2014
112.917	A	Iron (Fe) in water (as Fe) (mg/L)	MS-D	PA	11/11/2014
112.918	A	Copper (Cu) in water (as Cu) (mg/L)	MS-D	PA	11/11/2014
112.919	A	Zinc (Zn) in water (as Zn) (mg/L)	MS-D	PA	11/11/2014
112.920	A	Manganese (Mn) in water (as Mn) (mg/L)	MS-D	PA	11/11/2014
112.921	A	Nickel (Ni) in water (as Ni) (mg/L)	MS-D	PA	11/11/2014
112.922	A	Chromium (Cr) in water (as Cr) (mg/L)	MS-D	PA	11/11/2014
112.923	A	Vanadium (V) in water (as V) (mg/L)	MS-D	PA	11/11/2014
112.924	A	Selenium (Se) in water (as Se) (mg/L)	MS-D	PA	11/11/2014
112.925	A	Fluoride (F) in water (as F) (mg/L)	MS-D	PA	11/11/2014
112.926	A	Chloride (Cl) in water (as Cl) (mg/L)	MS-D	PA	11/11/2014
112.927	A	Sulfate (SO <sub>4</sub> ) in water (as SO <sub>4</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.928	A	Total Dissolved Solids (TDS) in water (as TDS) (mg/L)	MS-D	PA	11/11/2014
112.929	A	Total Suspended Solids (TSS) in water (as TSS) (mg/L)	MS-D	PA	11/11/2014
112.930	A	Total Solids (TS) in water (as TS) (mg/L)	MS-D	PA	11/11/2014
112.931	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.932	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.933	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.934	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.935	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.936	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.937	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.938	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.939	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.940	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.941	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.942	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.943	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.944	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.945	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.946	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.947	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.948	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.949	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.950	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.951	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.952	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.953	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.954	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.955	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.956	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.957	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.958	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.959	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.960	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.961	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.962	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.963	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.964	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.965	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.966	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.967	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.968	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.969	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.970	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.971	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.972	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.973	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.974	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.975	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.976	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.977	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.978	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.979	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.980	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.981	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.982	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.983	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.984	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.985	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.986	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.987	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.988	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.989	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.990	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.991	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.992	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.993	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.994	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.995	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.996	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.997	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.998	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.999	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014
112.1000	A	Total Hardness (TH) in water (as CaCO <sub>3</sub> ) (mg/L)	MS-D	PA	11/11/2014

*Thomas Birch*





Attached to Certificate of Accreditation 018-002 expiration date 04-30-2021. This Listing of accredited analysis should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories-Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15213  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA0016a  
TKI Code: TH02151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Repeatability	Analyte	Accreditation Type	Primary State	Effective Date
105.01	2	Asbestos (Total) (Asbestos)	SI 35	PA	10/20/16
105.02	4	Asbestos	SI 35	PA	10/20/16
105.03	4	Barium (Total) (Barium)	SI 36	PA	01/20/17
105.04	4	Boron (Total) (Boron) (Ascorbic Acid)	SI 37	PA	10/20/16
105.05	4	Bromide	SI 38	PA	10/20/16
105.06	4	Calcium (Total) (Calcium)	SI 39	PA	01/20/17
105.07	4	Calcium (Total) (Calcium)	SI 39	PA	10/20/16
105.08	1	Chloride (Total) (Chloride)	SI 40	PA	10/20/16
105.09	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.10	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.11	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.12	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.13	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.14	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.15	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.16	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.17	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.18	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.19	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.20	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.21	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.22	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.23	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.24	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.25	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.26	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.27	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.28	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.29	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.30	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.31	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.32	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.33	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.34	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.35	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.36	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.37	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.38	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.39	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.40	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.41	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.42	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.43	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.44	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.45	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.46	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.47	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.48	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.49	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.50	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.51	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.52	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.53	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.54	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.55	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.56	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.57	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.58	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.59	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.60	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.61	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.62	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.63	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.64	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.65	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.66	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.67	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.68	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.69	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.70	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.71	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.72	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.73	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.74	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.75	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.76	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.77	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.78	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.79	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.80	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.81	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.82	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.83	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.84	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.85	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.86	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.87	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.88	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.89	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.90	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.91	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.92	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.93	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.94	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.95	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.96	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.97	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.98	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
105.99	1	Copper (Total) (Copper)	SI 40	PA	10/20/16
106.00	1	Copper (Total) (Copper)	SI 40	PA	10/20/16



Attached to Certificate of Accreditation 010-002 expiration date 04/30/2021 This listing of accredited analyses should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories - Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 960-7658

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00104  
Tri Code: TH02151  
PA015 ID: 02416

Matrix: Non-Potable Water

Method	Radionuclide	Analyte	Accreditation Type	Primary Scale	Effective Date
105401	1-0	Chloride Ion (as Cl <sup>-</sup> )	MS/MS	NA	12/29/19
105402	2-0	Ammonia	MS/MS	NA	12/29/19
105403	4-0	Ammonium	MS/MS	NA	12/29/19
105404	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105405	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105406	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105407	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105408	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105409	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105410	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105411	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105412	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105413	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105414	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105415	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105416	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105417	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105418	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105419	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105420	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105421	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105422	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105423	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105424	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105425	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105426	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105427	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105428	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105429	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105430	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105431	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105432	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105433	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105434	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105435	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105436	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105437	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105438	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105439	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105440	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105441	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105442	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105443	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105444	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105445	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105446	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105447	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105448	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105449	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105450	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105451	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105452	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105453	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105454	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105455	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105456	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105457	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105458	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105459	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105460	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105461	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105462	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105463	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105464	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105465	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105466	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105467	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105468	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105469	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105470	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105471	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105472	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105473	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105474	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105475	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105476	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105477	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105478	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105479	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105480	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105481	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105482	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105483	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105484	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105485	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105486	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105487	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105488	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105489	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105490	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105491	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105492	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105493	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105494	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105495	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105496	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105497	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105498	1-0	Asbestos (Total)	MS/MS	NA	12/29/19
105499	1-0	Asbestos (Fibrous)	MS/MS	NA	12/29/19
105500	1-0	Asbestos (Total)	MS/MS	NA	12/29/19

*Signature*





Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021, this listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Forensic TestAmerica Laboratories-Pittsburgh**  
301 Alpha Drive  
Pittsburgh PA 15230  
(412) 963-7038

DEP Laboratory ID: 02-00416  
LPA Lab Code: PA00164  
TNI Code: TN03151  
PADWIS ID: 02416

**Matrix: Non-Potable Water**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
1194210	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194211	1.1.1	Asbestos (total suspended particulate) (lead, cadmium, mercury, manganese)	MSLAP	PA	08/20/2018
1194212	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194213	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194214	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194215	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194216	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194217	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194218	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194219	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194220	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194221	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194222	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194223	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194224	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194225	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194226	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194227	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194228	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194229	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194230	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194231	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194232	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194233	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194234	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194235	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194236	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194237	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194238	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194239	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194240	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194241	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194242	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194243	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194244	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194245	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194246	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194247	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194248	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194249	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194250	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194251	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194252	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194253	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194254	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194255	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194256	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194257	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194258	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194259	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194260	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194261	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194262	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194263	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194264	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194265	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194266	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194267	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194268	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194269	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194270	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194271	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194272	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194273	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194274	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194275	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194276	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194277	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194278	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194279	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194280	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194281	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194282	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194283	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194284	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194285	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194286	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194287	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194288	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194289	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194290	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194291	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194292	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194293	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194294	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194295	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194296	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194297	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194298	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194299	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018
1194300	1.1.1	Asbestos (total suspended particulate)	MSLAP	PA	08/20/2018

*Thomas Beach*

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP (recognized Accredited Body) program and is subject to verification by the laboratory's current accreditation authority.



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation

**Eurolina TestAmerica Laboratories Pittsburgh**  
391 Alpha Drive  
Pittsburgh, PA 15238  
(412) 963-7058

DLP Laboratory ID: 02-00416  
EPA Lab Code PA00164  
TNI Code: TN02751  
PADWS ID: 02416

**Matrix: Non-Potable Water**

Method	Region	Analyte	Accreditation Type	Primary State	Effective Date
150.01	1	Hexachlorocyclopentadiene, Hexachloroethane	MS-07	PA	12/21/2017
150.02	1	Heptachlorocyclopentadiene	MS-07	PA	12/21/2017
150.03	2-1	Hexachlorobenzene	MS-07	PA	05/01/2018
150.04	1	Hexachlorocyclopentadiene	MS-07	PA	04/25/2017
150.05	1	Heptachlorocyclopentadiene	MS-07	PA	04/25/2017
150.06	1-2	Heptachlor Epoxide	MS-07	PA	04/25/2017
150.07	1-1	Endrin	MS-07	PA	04/25/2017
150.08	2-2	Endrin	MS-07	PA	04/25/2017
150.09	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.10	2-2	Endrin sulfate	MS-07	PA	04/25/2017
150.11	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.12	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.13	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.14	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.15	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.16	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.17	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.18	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.19	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.20	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.21	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.22	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.23	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.24	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.25	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.26	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.27	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.28	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.29	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.30	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.31	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.32	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.33	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.34	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.35	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.36	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.37	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.38	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.39	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.40	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.41	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.42	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.43	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.44	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.45	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.46	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.47	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.48	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.49	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.50	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.51	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.52	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.53	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.54	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.55	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.56	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.57	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.58	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.59	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.60	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.61	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.62	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.63	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.64	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.65	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.66	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.67	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.68	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.69	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.70	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.71	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.72	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.73	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.74	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.75	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.76	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.77	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.78	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.79	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.80	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.81	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.82	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.83	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.84	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.85	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.86	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.87	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.88	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.89	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.90	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.91	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.92	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.93	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.94	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.95	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.96	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.97	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.98	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.99	1-1	Endrin sulfate	MS-07	PA	04/25/2017
150.100	1-1	Endrin sulfate	MS-07	PA	04/25/2017















Attached to Certificate of Accreditation 012-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Evolution TestAmerica Laboratories - Pittsburgh  
301 Alpha Drive  
Pittsburgh PA 15238  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
THI Code: TH02151  
PAQWIS ID: 02416

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
124.01	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.01	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.02	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.03	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.04	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.05	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.06	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.07	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.08	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.09	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.10	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.11	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.12	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.13	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.14	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.15	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.16	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.17	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.18	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.19	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.20	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.21	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.22	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.23	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.24	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.25	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.26	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.27	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.28	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.29	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.30	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.31	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.32	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.33	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.34	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.35	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.36	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.37	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.38	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.39	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.40	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.41	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.42	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.43	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.44	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.45	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.46	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.47	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.48	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.49	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.50	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.51	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.52	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.53	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.54	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.55	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.56	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.57	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.58	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.59	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.60	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.61	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.62	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.63	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.64	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.65	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.66	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.67	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.68	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.69	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.70	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.71	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.72	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.73	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.74	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.75	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.76	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.77	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.78	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.79	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.80	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.81	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.82	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.83	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.84	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.85	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.86	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.87	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.88	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.89	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.90	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.91	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.92	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.93	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.94	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.95	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.96	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.97	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.98	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
124.99	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16
125.00	A	Asbestos (Asbestos) - 2019	SI-04	PA	10/18/16



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NALAP recognized Accreditation Body. Customers are urged to verify the scope of this accreditation against their own standards.



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Eurofins TestAmerica Laboratories - Pittsburgh**  
301 Alpha Drive  
Pittsburgh, PA 15238  
(412) 961-7090

DEP Laboratory ID: 03-00416  
EPA Lab Code: PA00164  
TNI Code: TNH02151  
PAOWIS ID: 97416

**Matrix: Soils and Chemical Materials**

Method	Radionuclide	Analyte	Accreditation Type	Primary State	Effective Date
1134.01	A	Asbestos (total)	MSL	PA	04/21/2017
1134.02	A	Asbestos (total)	MSL	PA	04/21/2017
1134.03	A	Asbestos (total) (soil, sediment, water)	MSL	PA	04/21/2017
1134.04	A	Asbestos (total) (soil, sediment, water)	MSL	PA	04/21/2017
1134.05	A (P)	Asbestos (total) (water)	MSL	PA	04/21/2017
1134.06	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.07	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.08	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.09	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.10	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.11	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.12	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.13	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.14	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.15	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.16	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.17	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.18	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.19	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.20	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.21	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.22	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.23	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.24	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.25	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.26	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.27	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.28	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.29	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.30	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.31	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.32	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.33	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.34	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.35	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.36	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.37	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.38	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.39	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.40	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.41	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.42	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.43	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.44	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.45	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.46	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.47	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.48	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.49	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.50	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.51	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.52	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.53	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.54	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.55	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.56	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.57	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.58	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.59	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.60	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.61	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.62	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.63	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.64	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.65	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.66	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.67	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.68	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.69	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.70	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.71	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.72	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.73	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.74	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.75	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.76	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.77	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.78	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.79	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.80	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.81	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.82	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.83	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.84	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.85	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.86	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.87	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.88	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.89	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.90	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.91	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.92	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.93	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.94	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.95	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.96	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.97	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.98	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.99	A (P)	Asbestos (total)	MSL	PA	04/21/2017
1134.100	A (P)	Asbestos (total)	MSL	PA	04/21/2017

*Thomas Beach*

Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Europa TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15235  
(412) 961-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00164  
TNI Code: TH02151  
PADEIS ID: 02416

**Matrix: Solid and Chemical Materials**

Method	Radionuclide	Analyte	Accreditation Type	Primary State	Effective Date
100.4.11	4	Mercury (Total)	SI-17	PA	07/15/17
100.4.12	4	Mercury (Dissolved)	SI-17	PA	07/15/17
100.4.13	4	Mercury (Methyl)	SI-17	PA	07/15/2018
100.4.14	4	Mercury (Total)	SI-17	PA	07/15/2018
100.4.15	4	Mercury (Methyl)	SI-17	PA	07/15/2018
100.4.16	4, 5	Lead (Total)	SI-17	PA	07/15/17
100.4.17	4, 5	Lead (Dissolved)	SI-17	PA	07/15/17
100.4.18	2, 3, 4	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.19	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.20	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.21	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.22	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.23	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.24	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.25	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.26	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.27	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.28	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.29	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.30	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.31	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.32	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.33	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.34	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.35	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.36	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.37	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.38	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.39	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.40	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.41	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.42	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.43	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.44	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.45	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.46	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.47	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.48	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.49	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.50	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.51	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.52	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.53	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.54	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.55	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.56	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.57	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.58	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.59	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.60	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.61	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.62	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.63	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.64	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.65	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.66	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.67	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.68	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.69	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.70	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.71	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.72	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.73	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.74	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.75	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.76	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.77	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.78	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.79	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.80	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.81	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.82	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.83	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.84	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.85	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.86	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.87	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.88	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.89	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.90	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.91	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.92	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.93	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.94	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.95	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.96	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.97	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.98	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018
100.4.99	4, 5	Cadmium (Dissolved)	SI-17	PA	07/15/2018
100.4.100	4, 5	Cadmium (Total)	SI-17	PA	07/15/2018

*Europa TestAmerica*









Attached to Certificate of Accreditation 013-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15230  
(412) 663-7058

DEP Laboratory ID: 03-00416  
EPA Lab Code: PA00164  
TNI Code: TNI02151  
PAOWIS ID: 02416

**Water, Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
102.010	1	Asbestos (total)	SL-001	PA	04/12/2016
102.010	1	Asbestos (total) (industrial)	SL-001	PA	04/12/2016
102.010	1	Asbestos (total) (residential)	SL-001	PA	04/12/2016
102.011	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.011	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.012	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.013	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.014	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.015	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.016	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.017	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.018	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.019	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.020	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.021	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.022	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.023	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.024	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.025	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.026	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.027	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.028	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.029	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.030	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.031	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.032	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.033	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.034	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.035	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.036	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.037	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.038	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.039	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.040	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.041	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.042	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.043	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.044	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.045	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.046	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.047	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.048	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.049	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.050	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.051	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.052	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.053	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.054	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.055	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.056	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.057	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.058	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.059	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.060	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.061	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.062	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.063	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.064	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.065	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.066	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.067	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.068	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.069	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.070	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.071	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.072	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.073	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.074	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.075	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.076	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.077	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.078	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.079	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.080	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.081	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.082	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.083	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.084	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.085	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.086	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.087	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.088	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.089	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.090	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.091	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.092	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.093	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.094	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.095	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.096	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.097	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.098	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.099	1	Asbestos (total) (total)	SL-001	PA	04/12/2016
102.100	1	Asbestos (total) (total)	SL-001	PA	04/12/2016



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a National Environmental Accreditation Board (NEAB) member. We are urged to verify the accuracy of our measurements through standing.



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh  
 301 Alpha Drive  
 Pittsburgh, PA 15228  
 (412) 963-7058

DEP Laboratory ID: 02-00416  
 EPA Lab Code: PA00164  
 TNI Code: TNID2151  
 PACMIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Region	Analyte	Accreditation Type	Primary State	Effective Date
1314.01	1	Asphalt	SL/SL	PA	04/10/2016
1314.02	1	Asphalt	SL/SL	PA	04/10/2016
1314.03	1	Asphalt	SL/SL	PA	04/10/2016
1314.04	1	Asphalt	SL/SL	PA	04/10/2016
1314.05	1	Asphalt	SL/SL	PA	04/10/2016
1314.06	1	Asphalt	SL/SL	PA	04/10/2016
1314.07	1	Asphalt	SL/SL	PA	04/10/2016
1314.08	1	Asphalt	SL/SL	PA	04/10/2016
1314.09	1	Asphalt	SL/SL	PA	04/10/2016
1314.10	1	Asphalt	SL/SL	PA	04/10/2016
1314.11	1	Asphalt	SL/SL	PA	04/10/2016
1314.12	1	Asphalt	SL/SL	PA	04/10/2016
1314.13	1	Asphalt	SL/SL	PA	04/10/2016
1314.14	1	Asphalt	SL/SL	PA	04/10/2016
1314.15	1	Asphalt	SL/SL	PA	04/10/2016
1314.16	1	Asphalt	SL/SL	PA	04/10/2016
1314.17	1	Asphalt	SL/SL	PA	04/10/2016
1314.18	1	Asphalt	SL/SL	PA	04/10/2016
1314.19	1	Asphalt	SL/SL	PA	04/10/2016
1314.20	1	Asphalt	SL/SL	PA	04/10/2016
1314.21	1	Asphalt	SL/SL	PA	04/10/2016
1314.22	1	Asphalt	SL/SL	PA	04/10/2016
1314.23	1	Asphalt	SL/SL	PA	04/10/2016
1314.24	1	Asphalt	SL/SL	PA	04/10/2016
1314.25	1	Asphalt	SL/SL	PA	04/10/2016
1314.26	1	Asphalt	SL/SL	PA	04/10/2016
1314.27	1	Asphalt	SL/SL	PA	04/10/2016
1314.28	1	Asphalt	SL/SL	PA	04/10/2016
1314.29	1	Asphalt	SL/SL	PA	04/10/2016
1314.30	1	Asphalt	SL/SL	PA	04/10/2016
1314.31	1	Asphalt	SL/SL	PA	04/10/2016
1314.32	1	Asphalt	SL/SL	PA	04/10/2016
1314.33	1	Asphalt	SL/SL	PA	04/10/2016
1314.34	1	Asphalt	SL/SL	PA	04/10/2016
1314.35	1	Asphalt	SL/SL	PA	04/10/2016
1314.36	1	Asphalt	SL/SL	PA	04/10/2016
1314.37	1	Asphalt	SL/SL	PA	04/10/2016
1314.38	1	Asphalt	SL/SL	PA	04/10/2016
1314.39	1	Asphalt	SL/SL	PA	04/10/2016
1314.40	1	Asphalt	SL/SL	PA	04/10/2016
1314.41	1	Asphalt	SL/SL	PA	04/10/2016
1314.42	1	Asphalt	SL/SL	PA	04/10/2016
1314.43	1	Asphalt	SL/SL	PA	04/10/2016
1314.44	1	Asphalt	SL/SL	PA	04/10/2016
1314.45	1	Asphalt	SL/SL	PA	04/10/2016
1314.46	1	Asphalt	SL/SL	PA	04/10/2016
1314.47	1	Asphalt	SL/SL	PA	04/10/2016
1314.48	1	Asphalt	SL/SL	PA	04/10/2016
1314.49	1	Asphalt	SL/SL	PA	04/10/2016
1314.50	1	Asphalt	SL/SL	PA	04/10/2016
1314.51	1	Asphalt	SL/SL	PA	04/10/2016
1314.52	1	Asphalt	SL/SL	PA	04/10/2016
1314.53	1	Asphalt	SL/SL	PA	04/10/2016
1314.54	1	Asphalt	SL/SL	PA	04/10/2016
1314.55	1	Asphalt	SL/SL	PA	04/10/2016
1314.56	1	Asphalt	SL/SL	PA	04/10/2016
1314.57	1	Asphalt	SL/SL	PA	04/10/2016
1314.58	1	Asphalt	SL/SL	PA	04/10/2016
1314.59	1	Asphalt	SL/SL	PA	04/10/2016
1314.60	1	Asphalt	SL/SL	PA	04/10/2016
1314.61	1	Asphalt	SL/SL	PA	04/10/2016
1314.62	1	Asphalt	SL/SL	PA	04/10/2016
1314.63	1	Asphalt	SL/SL	PA	04/10/2016
1314.64	1	Asphalt	SL/SL	PA	04/10/2016
1314.65	1	Asphalt	SL/SL	PA	04/10/2016
1314.66	1	Asphalt	SL/SL	PA	04/10/2016
1314.67	1	Asphalt	SL/SL	PA	04/10/2016
1314.68	1	Asphalt	SL/SL	PA	04/10/2016
1314.69	1	Asphalt	SL/SL	PA	04/10/2016
1314.70	1	Asphalt	SL/SL	PA	04/10/2016
1314.71	1	Asphalt	SL/SL	PA	04/10/2016
1314.72	1	Asphalt	SL/SL	PA	04/10/2016
1314.73	1	Asphalt	SL/SL	PA	04/10/2016
1314.74	1	Asphalt	SL/SL	PA	04/10/2016
1314.75	1	Asphalt	SL/SL	PA	04/10/2016
1314.76	1	Asphalt	SL/SL	PA	04/10/2016
1314.77	1	Asphalt	SL/SL	PA	04/10/2016
1314.78	1	Asphalt	SL/SL	PA	04/10/2016
1314.79	1	Asphalt	SL/SL	PA	04/10/2016
1314.80	1	Asphalt	SL/SL	PA	04/10/2016
1314.81	1	Asphalt	SL/SL	PA	04/10/2016
1314.82	1	Asphalt	SL/SL	PA	04/10/2016
1314.83	1	Asphalt	SL/SL	PA	04/10/2016
1314.84	1	Asphalt	SL/SL	PA	04/10/2016
1314.85	1	Asphalt	SL/SL	PA	04/10/2016
1314.86	1	Asphalt	SL/SL	PA	04/10/2016
1314.87	1	Asphalt	SL/SL	PA	04/10/2016
1314.88	1	Asphalt	SL/SL	PA	04/10/2016
1314.89	1	Asphalt	SL/SL	PA	04/10/2016
1314.90	1	Asphalt	SL/SL	PA	04/10/2016
1314.91	1	Asphalt	SL/SL	PA	04/10/2016
1314.92	1	Asphalt	SL/SL	PA	04/10/2016
1314.93	1	Asphalt	SL/SL	PA	04/10/2016
1314.94	1	Asphalt	SL/SL	PA	04/10/2016
1314.95	1	Asphalt	SL/SL	PA	04/10/2016
1314.96	1	Asphalt	SL/SL	PA	04/10/2016
1314.97	1	Asphalt	SL/SL	PA	04/10/2016
1314.98	1	Asphalt	SL/SL	PA	04/10/2016
1314.99	1	Asphalt	SL/SL	PA	04/10/2016
1315.00	1	Asphalt	SL/SL	PA	04/10/2016



The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NEQAP (recognized Accredited Laboratory Body) Equivalence Program to verify the laboratory's current accreditation standing.

Attached to Certificate of Accreditation 01A-003 expiration date 04/30/2021, This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

**Cueo/In TestAmerica Laboratories- Pittsburgh**  
 307 Alpha Drive  
 Pittsburgh PA 15238  
 (412) 963-7058

DEP Laboratory ID: 02-00416  
 EPA Lab Code: PA00164  
 TNI Code: TNI02151  
 PADEHS ID: 02416

**Matrix: Solid and Chemical Materials**

Method	Revision	Analyte	Accreditation Type	Primary Stage	Effective Date
EPA 8460-A	2.1	Lead (Pb)	MS/MS	2A	01/12/17
EPA 8460-B	2.1	Cadmium (Cd)	MS/MS	2A	01/12/17
EPA 8460-C	2.1	Asbestos	MS/MS	1A	01/12/17
EPA 8460-D	2.1	Arsenic (As)	MS/MS	2A	01/12/17
EPA 8460-E	2.1	Mercury (Hg)	MS/MS	2A	01/12/17
EPA 8460-F	2.1	Chromium (Cr)	MS/MS	2A	01/12/17
EPA 8460-G	2.1	Vanadium (V)	MS/MS	2A	01/12/17
EPA 8460-H	2.1	Vanadium (V) - Ascorbic Acid Method	MS/MS	2A	01/12/17
EPA 8460-I	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-J	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-K	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-L	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-M	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-N	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-O	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-P	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-Q	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-R	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-S	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-T	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-U	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-V	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-W	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-X	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-Y	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-Z	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AA	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AB	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AC	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AD	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AE	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AF	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AG	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AH	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AI	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AJ	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AK	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AL	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AM	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AN	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AO	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AP	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AQ	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AR	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AS	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AT	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AU	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AV	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AW	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AX	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AY	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17
EPA 8460-AZ	2.1	Vanadium (V) - Inductively Coupled Plasma	MS/MS	2A	01/12/17

*See also Block*



Attached to Certificate of Accreditation 018-002 expiration date 04/30/2021. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Evotrols TestAmerica Laboratories Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15218  
(412) 963-7058

DEP Laboratory ID: 02-00416  
EPA Lab Code: PA00166  
TRI Code: TN02151  
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Medium	Analyte	Accreditation Type	Primary Scope	Effective Date
113.4.1	1	Thylenes	11-17	PA	11/17/2017
113.4.1	4	1,2-Dichloroethane, 1,1-Dichloroethene	11-17	PA	11/17/2017
113.4.1		1,1-Dichloroethene, 1,2-Dichloroethane	11-17	PA	11/17/2017
113.4.2		Thylenes	11-17	PA	11/17/2017
113.4.3	5	1,1-DCE	11-17	PA	11/17/2017
113.4.3		1,1-DCE	11-17	PA	11/17/2017
113.4.4	1	DEH	11-17	PA	11/17/2017
113.4.4		DEH	11-17	PA	11/17/2017
113.4.5	1	DDE	11-17	PA	11/17/2017
113.4.5		DDE	11-17	PA	11/17/2017
113.4.6	2	DEA	11-17	PA	11/17/2017
113.4.6		DEA	11-17	PA	11/17/2017
113.4.7	2	DEA	11-17	PA	11/17/2017
113.4.7		DEA	11-17	PA	11/17/2017
113.4.8	4	1,1-DCE	11-17	PA	11/17/2017
113.4.8		1,1-DCE	11-17	PA	11/17/2017
113.4.9	2	DDE	11-17	PA	11/17/2017
113.4.9		DDE	11-17	PA	11/17/2017
113.4.9	4	DDE	11-17	PA	11/17/2017
113.4.9		DDE	11-17	PA	11/17/2017
113.4.9	2	DEA	11-17	PA	11/17/2017
113.4.9		DEA	11-17	PA	11/17/2017
113.4.9	4	DEA	11-17	PA	11/17/2017
113.4.9		DEA	11-17	PA	11/17/2017
113.4.9	2	DEH	11-17	PA	11/17/2017
113.4.9		DEH	11-17	PA	11/17/2017
113.4.9	4	DEH	11-17	PA	11/17/2017
113.4.9		DEH	11-17	PA	11/17/2017
113.4.9	2	1,1-DCE	11-17	PA	11/17/2017
113.4.9		1,1-DCE	11-17	PA	11/17/2017
113.4.10	5	1,2-DCE	11-17	PA	11/17/2017
113.4.10		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017
113.4.11	5	1,1-DCE	11-17	PA	11/17/2017
113.4.11		1,1-DCE	11-17	PA	11/17/2017
113.4.11	5	1,2-DCE	11-17	PA	11/17/2017
113.4.11		1,2-DCE	11-17	PA	11/17/2017

*Evotrols, Pittsburgh*

**APPENDIX A**

# FIELD DATA FORMS

**FIELD DATA FORMS**

**CELL 1**

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

**FIELD DATA FORMS**

# PAC ASH CELL

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



**FIELD DATA FORMS**

**CELL 3**

Product Name: Low-Flow System

Date: 2020-03-27 08:09:38

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 15.3 ft

Pump placement from TOC 15.3 ft

Well Information:

Well ID GWC-30  
Well diameter 2 in  
Well Total Depth 20.3 ft  
Screen Length 10 ft  
Depth to Water 5.48 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.1582904 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.64 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%	+/- 5		+/- 10%	+/- 10
Last 5	07:46:39	300.09	15.51	6.32	173.53	5.81	5.66	2.37	68.49
Last 5	07:51:39	600.02	15.58	6.28	171.17	5.39	5.66	2.32	62.41
Last 5	07:56:39	900.01	15.62	6.27	169.83	4.96	5.66	2.36	59.28
Last 5	08:01:39	1200.00	15.62	6.27	170.41	3.90	5.70	2.25	57.05
Last 5	08:06:39	1499.99	15.62	6.28	170.57	3.71	5.70	2.34	55.49
Variance 0			0.04	-0.01	-1.34			0.04	-3.13
Variance 1			0.00	-0.00	0.58			-0.11	-2.23
Variance 2			0.00	0.01	0.16			0.08	-1.57

Notes

FD-2(C3) collected

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 15:43:20

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 17.4 ft

Pump placement from TOC 17.4 ft

Well Information:

Well ID GWC-31  
Well diameter 2 in  
Well Total Depth 22.40 ft  
Screen Length 10 ft  
Depth to Water 5.19 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1676636 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 8.04 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	15:22:16	300.07	20.08	6.66	170.75	8.50	5.86	0.76	48.67
Last 5	15:27:16	600.01	20.05	6.69	171.39	6.57	5.86	0.76	48.34
Last 5	15:32:16	900.00	19.95	6.69	171.97	5.40	5.86	0.75	48.06
Last 5	15:37:16	1199.99	20.00	6.68	172.75	4.93	5.86	0.72	48.03
Last 5	15:42:16	1499.98	20.09	6.67	173.55	4.58	5.86	0.73	47.75
Variance 0			-0.10	-0.01	0.58			-0.01	-0.28
Variance 1			0.05	-0.01	0.78			-0.03	-0.03
Variance 2			0.10	-0.00	0.80			0.01	-0.28

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 11:34:59

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 32 ft

Pump placement from TOC 32 ft

Well Information:

Well ID GWC-32  
Well diameter 2 in  
Well Total Depth 37 ft  
Screen Length 10 ft  
Depth to Water 23.18 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.2328295 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 21.96 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:11:16	300.05	17.94	6.59	244.68	2.06	24.26	0.46	96.96
Last 5	11:16:16	600.01	18.12	6.62	243.67	3.01	24.63	0.29	97.64
Last 5	11:21:16	900.00	18.12	6.63	244.41	2.05	24.84	0.25	100.64
Last 5	11:26:16	1200.00	18.17	6.63	242.41	2.13	24.97	0.30	100.50
Last 5	11:31:18	1501.99	18.35	6.63	239.39	2.37	25.01	0.36	97.04
Variance 0			-0.01	0.02	0.73			-0.03	3.00
Variance 1			0.05	-0.00	-2.00			0.04	-0.14
Variance 2			0.18	-0.01	-3.02			0.06	-3.47

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 11:33:11

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 QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 52.40 ft

Pump placement from TOC 52.40 ft

Well Information:

Well ID GWC-33  
Well diameter 2 in  
Well Total Depth 57.40 ft  
Screen Length 47.40 ft  
Depth to Water 51.55 ft

Pumping Information:

Final Pumping Rate 125 mL/min  
Total System Volume 0.4488834 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	11:10:52	600.02	20.82	6.45	164.97	4.74	51.62	5.00	65.20
Last 5	11:15:52	900.02	21.08	6.43	164.59	3.33	51.64	4.20	64.13
Last 5	11:20:52	1200.02	21.18	6.44	163.83	3.64	51.64	3.88	62.72
Last 5	11:25:52	1500.01	21.29	6.44	163.69	2.61	51.65	3.74	62.09
Last 5	11:30:52	1800.01	21.72	6.44	163.43	2.90	51.65	3.63	61.77
Variance 0			0.10	0.01	-0.77			-0.32	-1.41
Variance 1			0.11	-0.00	-0.13			-0.14	-0.63
Variance 2			0.43	0.00	-0.27			-0.12	-0.32

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 10:22:41

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 Alexis  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 17 ft

Pump placement from TOC 17 ft

Well Information:

Well ID GWC-34  
Well diameter 2 in  
Well Total Depth 22.30 ft  
Screen Length 10 ft  
Depth to Water 7.71 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1658782 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.72 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	10:00:00	300.03	15.85	6.24	120.37	3.62	7.98	1.93	89.15
Last 5	10:05:00	600.01	15.76	6.12	120.64	3.36	7.99	1.76	91.73
Last 5	10:10:00	900.00	15.80	6.09	120.71	3.22	8.01	1.74	93.43
Last 5	10:15:00	1199.99	15.88	6.08	120.68	3.35	8.01	1.74	96.66
Last 5	10:20:00	1500.02	15.93	6.08	120.74	3.87	8.02	1.79	100.95
Variance 0			0.04	-0.03	0.08			-0.02	1.70
Variance 1			0.08	-0.01	-0.03			-0.00	3.23
Variance 2			0.04	-0.00	0.06			0.05	4.29

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 09:06:11

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 17.7 ft

Pump placement from TOC 17.7 ft

Well Information:

Well ID GWC-35  
Well diameter 2 in  
Well Total Depth 22.7 ft  
Screen Length 10 ft  
Depth to Water 4.27 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1690026 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.2 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	08:43:29	300.05	15.95	6.77	321.01	2.72	4.37	0.20	114.89
Last 5	08:48:29	600.01	16.38	6.69	314.94	2.65	4.37	0.13	95.67
Last 5	08:53:29	900.01	16.38	6.65	309.65	1.70	4.37	0.11	86.04
Last 5	08:58:29	1199.99	16.47	6.63	310.48	2.19	4.37	0.10	81.43
Last 5	09:03:29	1499.99	17.01	6.60	303.72	1.18	4.37	0.08	80.39
Variance 0			-0.00	-0.04	-5.28			-0.02	-9.63
Variance 1			0.09	-0.03	0.83			-0.01	-4.61
Variance 2			0.54	-0.03	-6.76			-0.02	-1.04

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 10:06:35

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 QED Sample Pro  
Tubing Type polyethylene  
Tubing Diameter .170 in  
Tubing Length 43.00 ft

Pump placement from TOC 43.00 ft

Well Information:

Well ID GWC-36  
Well diameter 2 in  
Well Total Depth 47.90 ft  
Screen Length 10 ft  
Depth to Water 42.73 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.4069272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 0.48 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	09:42:38	300.06	17.09	6.46	113.48	4.63	42.75	3.86	102.40
Last 5	09:47:38	600.02	17.26	6.13	111.07	3.44	42.75	3.88	82.25
Last 5	09:52:38	900.02	17.25	6.08	106.42	4.43	42.76	3.82	72.88
Last 5	09:57:38	1200.01	17.30	6.08	104.28	3.37	42.76	3.55	71.31
Last 5	10:02:38	1500.01	17.26	6.07	103.93	3.80	42.77	3.56	69.36
Variance 0			-0.01	-0.05	-4.65			-0.06	-9.37
Variance 1			0.05	-0.00	-2.14			-0.27	-1.56
Variance 2			-0.04	-0.01	-0.35			0.01	-1.95

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-26 10:42:40

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 40 ft

Pump placement from TOC 40 ft

Well Information:

Well ID GWC-37  
Well diameter 2 in  
Well Total Depth 45.81 ft  
Screen Length 10 ft  
Depth to Water 22.48 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.2685369 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14.64 in  
Total Volume Pumped 13.5 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	10:20:05	1499.98	17.37	6.36	192.93	5.05	23.70	1.06	41.56
Last 5	10:25:05	1799.98	17.42	6.35	191.82	3.97	23.70	1.13	42.41
Last 5	10:30:05	2099.96	17.58	6.35	190.59	3.56	23.70	1.20	42.94
Last 5	10:35:05	2399.95	17.68	6.35	189.58	2.78	23.70	1.26	43.56
Last 5	10:40:05	2699.94	17.65	6.33	189.42	2.56	23.70	1.27	45.01
Variance 0			0.16	-0.00	-1.23			0.07	0.54
Variance 1			0.10	0.00	-1.01			0.07	0.61
Variance 2			-0.02	-0.02	-0.16			0.00	1.45

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-26 09:17:19

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-38  
Well diameter 2 in  
Well Total Depth 43.96 ft  
Screen Length 10 ft  
Depth to Water 10.28 ft

Pumping Information:

Final Pumping Rate 300 mL/min  
Total System Volume 0.2596101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 18.6 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%	+/- 5		+/- 10%	+/- 10
Last 5	08:55:51	900.00	15.45	6.53	169.45	3.93	11.83	0.29	19.96
Last 5	09:00:51	1200.00	15.53	6.53	169.12	3.82	11.83	0.25	17.99
Last 5	09:05:51	1499.98	15.58	6.54	168.48	3.13	11.83	0.23	15.95
Last 5	09:10:51	1799.97	15.71	6.57	168.62	3.09	11.83	0.22	14.76
Last 5	09:15:51	2099.96	15.75	6.58	168.74	2.87	11.83	0.22	14.50
Variance 0			0.05	0.01	-0.65			-0.02	-2.04
Variance 1			0.13	0.02	0.15			-0.01	-1.19
Variance 2			0.05	0.01	0.12			0.00	-0.26

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-23 13:01:20

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 57 ft

Pump placement from TOC 57 ft

Well Information:

Well ID GWA-39  
Well diameter 2 in  
Well Total Depth 62.60 ft  
Screen Length 10 ft  
Depth to Water 24.76 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.4694151 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 27.96 in  
Total Volume Pumped 9.8 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	12:38:13	1799.98	16.61	6.80	211.62	8.04	27.22	0.38	130.55
Last 5	12:43:13	2099.97	16.59	6.80	211.25	6.68	27.17	0.41	131.74
Last 5	12:48:13	2399.97	16.56	6.80	211.06	5.51	27.14	0.40	131.26
Last 5	12:53:13	2699.96	16.58	6.80	210.85	5.02	27.11	0.41	132.92
Last 5	12:58:13	2999.95	16.57	6.80	210.73	4.71	27.09	0.40	131.39
Variance 0			-0.03	0.00	-0.20			-0.00	-0.49
Variance 1			0.02	0.00	-0.21			0.01	1.67
Variance 2			-0.01	-0.00	-0.12			-0.02	-1.53

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-20 09:41:44

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 43 ft

Pump placement from TOC 43 ft

Well Information:

Well ID GWA-40  
Well diameter 2 in  
Well Total Depth 48.60 ft  
Screen Length 10 ft  
Depth to Water 30.8 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.4069272 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 23.88 in  
Total Volume Pumped 8.4 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	09:15:50	2401.96	17.99	5.81	85.78	7.05	32.90	1.42	147.65
Last 5	09:20:50	2701.95	18.01	5.80	84.57	6.54	32.86	1.54	139.03
Last 5	09:25:50	3001.95	17.94	5.79	83.25	5.49	32.82	1.66	127.59
Last 5	09:30:50	3301.94	17.99	5.79	81.85	5.55	32.80	1.71	120.38
Last 5	09:35:50	3601.93	17.90	5.78	81.32	4.78	32.79	1.78	116.63
Variance 0			-0.06	-0.01	-1.32			0.12	-11.44
Variance 1			0.04	-0.00	-1.39			0.05	-7.22
Variance 2			-0.09	-0.00	-0.53			0.07	-3.75

Notes

Well label says 'GWC-40'

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-19 15:55:09

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-41  
Well diameter 2 in  
Well Total Depth 41.6 ft  
Screen Length 10 ft  
Depth to Water 8.84 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2506832 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	15:34:26	600.01	20.22	6.22	190.62	3.56	9.05	1.81	73.12
Last 5	15:39:26	900.00	19.99	6.22	191.22	2.60	9.05	1.71	69.16
Last 5	15:44:26	1199.99	19.87	6.22	191.04	2.04	9.05	1.65	66.68
Last 5	15:49:26	1499.98	19.77	6.21	191.57	2.32	9.05	1.63	64.20
Last 5	15:54:26	1799.97	19.86	6.21	190.85	1.94	9.05	1.62	62.67
Variance 0			-0.11	0.00	-0.18			-0.07	-2.48
Variance 1			-0.10	-0.01	0.53			-0.01	-2.48
Variance 2			0.09	-0.00	-0.72			-0.01	-1.53

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-23 13:20:22

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 17.50 ft

Pump placement from TOC 17.50 ft

Well Information:

Well ID GWA-42  
Well diameter 2 in  
Well Total Depth 22.50 ft  
Screen Length 10 ft  
Depth to Water 4.85 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.1681099 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2.52 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	12:57:52	300.06	15.91	6.25	297.14	5.35	5.04	0.38	52.31
Last 5	13:02:52	600.02	15.82	6.25	276.23	7.83	5.08	0.26	45.45
Last 5	13:07:52	900.02	15.77	6.26	275.44	6.51	5.07	0.23	42.14
Last 5	13:12:52	1200.02	15.73	6.28	275.32	6.14	5.06	0.21	39.56
Last 5	13:17:52	1500.02	15.70	6.29	275.66	4.89	5.06	0.20	36.82
Variance 0			-0.05	0.02	-0.79			-0.03	-3.31
Variance 1			-0.04	0.01	-0.12			-0.02	-2.58
Variance 2			-0.03	0.01	0.34			-0.01	-2.75

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-20 11:05:36

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 16 ft

Pump placement from TOC 16 ft

Well Information:

Well ID GWA-43  
Well diameter 2 in  
Well Total Depth 22.4 ft  
Screen Length 10 ft  
Depth to Water 4.16 ft

Pumping Information:

Final Pumping Rate 180 mL/min  
Total System Volume 0.1614148 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 10.32 in  
Total Volume Pumped 8.1 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	10:43:25	1499.98	19.13	6.34	351.08	2.57	5.02	0.21	-29.03
Last 5	10:48:25	1799.97	18.93	6.36	352.29	1.79	5.02	0.19	-31.95
Last 5	10:53:25	2099.96	19.13	6.36	352.89	1.89	5.02	0.17	-33.90
Last 5	10:58:25	2399.95	19.00	6.37	348.44	1.75	5.02	0.17	-35.55
Last 5	11:03:25	2699.94	18.89	6.39	351.89	1.63	5.02	0.16	-37.44
Variance 0			0.20	0.00	0.59			-0.01	-1.95
Variance 1			-0.13	0.01	-4.44			-0.00	-1.65
Variance 2			-0.11	0.01	3.45			-0.01	-1.89

Notes

The correct GWA-43

Grab Samples

Product Name: Low-Flow System

Date: 2020-03-20 09:05:57

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 16 ft

Pump placement from TOC 16 ft

Well Information:

Well ID GWA-44  
Well diameter 2 in  
Well Total Depth 21.7 ft  
Screen Length 10 ft  
Depth to Water 4.19 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1614148 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1.8 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	08:43:51	900.00	15.80	6.60	214.90	2.19	4.34	0.24	50.03
Last 5	08:48:51	1199.99	15.91	6.57	214.81	1.38	4.34	0.20	47.60
Last 5	08:53:51	1499.98	15.98	6.56	215.20	1.57	4.34	0.18	46.37
Last 5	08:58:51	1799.97	16.12	6.56	215.53	1.28	4.34	0.18	44.60
Last 5	09:03:51	2099.96	16.33	6.56	215.38	1.54	4.34	0.17	42.95
Variance 0			0.07	-0.01	0.38			-0.01	-1.24
Variance 1			0.14	-0.00	0.34			-0.01	-1.77
Variance 2			0.21	0.01	-0.16			-0.01	-1.65

Notes

Grab Samples



Product Name: Low-Flow System

Date: 2020-03-23 14:56:56

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 45 ft

Pump placement from TOC 45 ft

Well Information:

Well ID GWA-54  
Well diameter 2 in  
Well Total Depth 50.70 ft  
Screen Length 10 ft  
Depth to Water 24.35 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.415854 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 31.44 in  
Total Volume Pumped 7.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:32:20	1200.00	16.58	6.98	345.11	7.44	27.21	0.11	40.83
Last 5	14:37:20	1499.99	16.60	7.02	342.26	7.42	27.23	0.10	32.73
Last 5	14:42:20	1799.98	16.56	7.05	345.31	6.60	27.11	0.10	26.31
Last 5	14:47:20	2099.97	16.56	7.07	344.70	6.20	27.01	0.09	20.92
Last 5	14:52:20	2399.96	16.55	7.09	345.01	4.78	26.97	0.09	16.20
Variance 0			-0.04	0.03	3.04			-0.00	-6.42
Variance 1			0.00	0.02	-0.61			-0.01	-5.39
Variance 2			-0.01	0.02	0.32			-0.00	-4.72

Notes

Grab Samples

**APPENDIX A**

# WELL INSPECTION FORMS

# 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 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)
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

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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

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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

# 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 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**

# DATA VALIDATION SUMMARIES



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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 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

**APPENDIX B**

# CERTIFIED WELL SURVEY

**Plant Scherer**

**1st data set: North Property Wells**

NETWORK WELL ID	PVC CASING LATITUDE	PVC CASING LONGITUDE	CONTROL NAIL NORTHING	CONTROL NAIL EASTING	CONTROL NAIL ELEVATION	PVC CASING NORTHING	PVC CASING EASTING	ELEVATION TOP OF PVC CASING	GROUND ELEVATION	COMMENTS
PZ-45D	33.09322971 °	-83.82816330 °	1125296.00	2400249.51	509.94	1125296.24	2400250.55	512.33	509.7	
PZ-46D	33.08832034 °	-83.82598568 °	1123511.13	2400923.42	447.37	1123512.22	2400923.25	450.28	447.1	
PZ-47D	33.09684023 °	-83.81470823 °	1126623.84	2404365.89	406.91	1126623.42	2404366.80	410.01	406.8	
PZ-48S	33.09240559 °	-83.81011172 °	1125015.59	2405780.34	441.45	1125014.71	2405779.92	444.33	441.3	
PZ-49D	33.08800314 °	-83.79434166 °	1123430.38	2410614.46	365.13	1123429.73	2410615.29	367.41	364.9	
PZ-49S	33.08801621 °	-83.79437196 °	1123434.99	2410605.11	365.29	1123434.46	2410605.99	367.89	365.2	
PZ-51D	33.07658668 °	-83.82919170 °	1119239.94	2399954.09	543.47	1119239.99	2399955.07	546.04	543.2	
PZ-52	33.08640137 °	-83.81717935 °	1122822.91	2403621.89	519.68	1122822.91	2403622.69	521.84	519.4	
PZ-53	33.08394269 °	-83.81330140 °	1121931.72	2404814.17	513.81	1121932.34	2404813.43	516.64	513.6	
PZ-54	33.08276482 °	-83.80761959 °	1121509.00	2406555.91	490.27	1121509.71	2406555.15	492.96	490.2	
PZ-55	33.08389990 °	-83.79920035 °	1121930.63	2409132.43	444.25	1121931.60	2409132.43	447.21	444.2	
PZ-56	33.08827939 °	-83.79943044 °	1123523.72	2409037.56	431.10	1123524.68	2409037.21	433.68	430.8	
PZ-57	33.08796818 °	-83.80496443 °	1123404.88	2407362.68	436.55	1123405.64	2407361.88	439.51	436.4	
PZ-58	33.08769650 °	-83.81200107 °	1123298.42	2405206.74	489.35	1123299.43	2405207.09	492.21	489.3	
PZ-59D	33.09297923 °	-83.80394129 °	1125230.79	2407669.66	383.16	1125229.89	2407668.93	385.86	382.9	
PZ-59S	33.09293469 °	-83.80397571 °	1125214.48	2407659.05	383.13	1125213.65	2407658.45	385.93	382.8	
PZ-60D	33.09072228 °	-83.80207655 °	1124410.58	2408242.14	386.53	1124410.72	2408242.87	389.34	386.4	
PZ-60S	33.09069400 °	-83.80207431 °	1124400.33	2408242.82	386.66	1124400.44	2408243.59	389.88	386.4	
PZ-61	33.08557017 °	-83.80115566 °	1122536.81	2408532.14	436.84	1122537.21	2408531.43	439.27	436.8	
PZ-62	33.08513385 °	-83.80885081 °	1122370.22	2406176.10	498.45	1122370.34	2406175.11	501.32	498.3	
PZ-63	33.08950995 °	-83.81573718 °	1123956.15	2404059.66	499.12	1123955.38	2404060.61	501.54	498.9	
PZ-64	33.08885322 °	-83.80808779 °	1123723.25	2406405.08	476.09	1123724.36	2406404.18	479.52	476.0	
PZ-65	33.08392854 °	-83.80376913 °	1121936.26	2407732.50	429.77	1121937.16	2407733.04	432.42	429.6	
PZ-66D	33.09135724 °	-83.79950884 °	1124644.65	2409027.58	424.64	1124644.48	2409028.45	427.60	424.4	
PZ-66	33.09141030 °	-83.79922285 °	1124664.50	2409114.81	418.68	1124664.10	2409115.98	421.24	418.4	
PZ-67D	33.09444381 °	-83.80200723 °	1125764.90	2408260.40	424.86	1125764.81	2408259.40	428.48	424.7	
PZ-67	33.09449189 °	-83.80204133 °	1125782.52	2408250.00	423.37	1125782.26	2408248.89	425.94	423.2	
PZ-68	33.09267242 °	-83.80553278 °	1125117.30	2407182.87	392.34	1125116.59	2407181.92	395.55	392.1	



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 1 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 6/29/20.

Reissued 8/10/20  
 to list Network  
 Well ID

**Plant Scherer**

**2nd data set: AP1 wells/piezometers**

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
PZ-10S	33.08508549 °	-83.82323706 °	1122338.53	2401768.08	514.78	1122338.03	2401768.92	517.53	514.4	
PZ-11S	33.08736100 °	-83.81996800 °	1123170.19	2402767.80	526.19	1123169.22	2402767.44	529.31	526.0	
PZ-12S	33.08602210 °	-83.81719466 °	1122685.28	2403619.28	514.64	1122684.90	2403618.46	517.69	514.5	
PZ-13S	33.08401596 °	-83.81521422 °	1121956.37	2404228.09	517.68	1121957.03	2404227.47	520.51	517.5	
PZ-14i	33.08376126 °	-83.81327276 °	1121865.36	2404821.96	510.03	1121866.36	2404822.43	512.89	509.7	
PZ-14S	33.08372400 °	-83.81327900 °	1121851.80	2404820.15	509.03	1121852.80	2404820.56	512.13	508.7	
PZ-15S	33.08271165 °	-83.81087348 °	1121485.86	2405558.82	497.59	1121486.96	2405558.59	500.60	497.4	
PZ-17i	33.07913315 °	-83.80583149 °	1120190.44	2407106.31	480.20	1120190.27	2407107.37	483.03	479.9	
PZ-19i	33.07472925 °	-83.80537876 °	1118589.46	2407251.40	414.74	1118588.47	2407251.56	417.76	414.5	
PZ-19S	33.07472596 °	-83.80541146 °	1118588.13	2407241.65	414.79	1118587.24	2407241.54	417.80	414.5	
PZ-20i	33.07398605 °	-83.80531062 °	1118318.72	2407272.52	414.46	1118318.15	2407273.36	417.41	414.3	
PZ-21S	33.07212246 °	-83.80618934 °	1117639.29	2407007.47	470.85	1117639.19	2407006.52	473.74	470.6	
PZ-25i	33.08368507 °	-83.81408728 °	1121836.89	2404573.11	526.02	1121837.80	2404573.04	528.39	525.8	
PZ-25S	33.08371344 °	-83.81410520 °	1121847.35	2404567.67	525.78	1121848.11	2404567.52	528.24	525.5	
PZ-26S	33.08328634 °	-83.81030096 °	1121695.69	2405732.96	489.17	1121696.65	2405733.23	491.65	489.1	
PZ-27D	33.08290514 °	-83.80935590 °	1121558.20	2406023.06	472.66	1121558.94	2406023.17	475.43	472.4	
PZ-27S	33.08292266 °	-83.80933923 °	1121564.39	2406028.18	473.18	1121565.33	2406028.25	475.80	473.1	
PZ-28i	33.08244868 °	-83.80821251 °	1121393.51	2406374.88	481.59	1121394.06	2406373.94	484.18	481.4	
PZ-29S	33.08210318 °	-83.80741616 °	1121268.18	2406617.83	488.70	1121269.19	2406618.29	491.31	488.5	
PZ-2i	33.06640333 °	-83.81932122 °	1115545.82	2402991.10	515.06	1115544.85	2402990.76	517.56	514.8	
PZ30i	33.08156107 °	-83.80591422 °	1121072.64	2407079.10	475.71	1121073.53	2407078.99	478.31	475.6	
PZ-31i	33.08191626 °	-83.80471544 °	1121202.96	2407445.90	464.16	1121204.03	2407445.73	466.89	464.0	
PZ-32D	33.08159927 °	-83.80382334 °	1121089.46	2407718.47	462.56	1121089.64	2407719.37	465.42	462.4	
PZ-32S	33.08159833 °	-83.80389169 °	1121088.90	2407697.44	462.52	1121089.22	2407698.44	465.06	462.3	
PZ-33i	33.08201411 °	-83.79943146 °	1121245.41	2409063.30	466.55	1121245.25	2409064.05	469.38	466.4	
PZ34S	33.08224927 °	-83.79869810 °	1121330.71	2409288.05	441.08	1121331.59	2409288.37	443.67	440.8	
PZ-35i	33.08301374 °	-83.80924066 °	1121598.17	2406059.15	474.72	1121598.57	2406058.33	474.40	474.6	Flush mount
PZ-36i	33.07973840 °	-83.80534295 °	1120410.91	2407285.90	478.96	1120410.99	2407256.25	481.52	478.9	
PZ-36S	33.07971111 °	-83.80536989 °	1120390.25	2407210.09	479.50	1120401.04	2407248.04	482.35	479.4	
PZ-37i	33.08183679 °	-83.80153755 °	1121177.58	2408419.44	479.68	1121178.48	2408419.19	482.18	479.5	
PZ-38i	33.08267369 °	-83.80828005 °	1121475.60	2406353.86	482.38	1121475.86	2406352.98	482.24	482.2	Flush mount
PZ-39S	33.07909718 °	-83.80464616 °	1120177.69	2407469.94	471.99	1120178.43	2407470.49	474.58	471.8	
PZ-3S	33.06789221 °	-83.82080703 °	1116085.44	2402534.69	514.57	1116085.04	2402533.80	517.29	514.4	
PZ-40i	33.07025744 °	-83.80643134 °	1116959.65	2406934.18	510.19	1116960.39	2406934.72	512.55	510.1	



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 7/17/20.

Reissued 8/10/20 to list Network Well ID



# Plant Scherer

## 2nd data set: AP1 wells/piezometers

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
PZ-41S	33.06981255 °	-83.80581206 °	1116798.94	2407126.11	488.66	1116799.18	2407124.98	491.50	488.6	
PZ-42i	33.06767107 °	-83.81179732 °	1116014.70	2405294.31	500.65	1116013.79	2405294.12	503.18	500.5	
PZ-43S	33.06652661 °	-83.81110650 °	1115598.33	2405508.23	501.34	1115598.12	2405507.16	504.03	501.2	
PZ-44i	33.08280119 °	-83.81488357 °	1121515.14	2404331.45	507.91	1121515.40	2404330.23	510.36	507.9	
PZ-5S	33.07174413 °	-83.82313290 °	1117483.92	2401817.76	520.73	1117484.15	2401816.71	523.26	520.6	
PZ-6S	33.07291903 °	-83.82273710 °	1117910.82	2401936.63	529.22	1117912.01	2401936.55	531.54	529.0	
PZ-9i	33.08021416 °	-83.82621441 °	1120562.95	2400862.02	523.61	1120562.72	2400862.76	526.57	523.3	
SGWA-1	33.07656824 °	-83.82937216 °	1119232.67	2399899.20	544.27	1119233.10	2399899.81	546.83	544.1	
SGWA-2	33.07658071 °	-83.82934477 °	1119237.34	2399907.22	544.20	1119237.67	2399908.19	546.94	544.0	
SGWA-24	33.07350677 °	-83.82662952 °	1118123.12	2400743.74	489.47	1118121.96	2400743.52	492.38	489.3	
SGWA-25	33.08019376 °	-83.82623303 °	1120556.28	2400856.87	523.45	1120555.28	2400857.08	526.49	523.2	
SGWA-3	33.07929746 °	-83.83133096 °	1120224.89	2399295.73	543.03	1120224.15	2399296.64	545.83	542.9	
SGWA-4	33.08272488 °	-83.82534974 °	1121478.07	2401124.27	544.96	1121477.05	2401124.64	547.66	544.8	
SGWA-5	33.07344366 °	-83.83745909 °	1118087.26	2397426.71	505.93	1118088.42	2397426.26	508.48	505.7	
SGWC-10	33.08384947 °	-83.81580437 °	1121896.53	2404047.19	506.80	1121895.85	2404046.92	509.41	506.6	
SGWC-11	33.08287457 °	-83.81487709 °	1121542.20	2404332.76	508.77	1121542.11	2404332.12	511.47	508.6	
SGWC-12	33.08296352 °	-83.81266381 °	1121576.11	2405009.73	497.80	1121576.75	2405009.92	500.53	497.7	
SGWC-13	33.08212677 °	-83.81021432 °	1121274.24	2405760.67	480.17	1121274.85	2405761.20	482.71	479.9	
SGWC-14	33.08127293 °	-83.80836108 °	1120965.54	2406329.11	473.52	1120966.13	2406329.89	476.72	473.3	
SGWC-15	33.07913585 °	-83.80587541 °	1120191.24	2407092.94	479.76	1120191.20	2407093.92	482.75	479.7	
SGWC-16	33.07646981 °	-83.80568398 °	1119221.32	2407154.80	457.18	1119221.42	2407155.89	460.31	457.0	
SGWC-17	33.07396034 °	-83.80533006 °	1118309.31	2407266.47	415.13	1118308.77	2407267.44	418.00	414.9	
SGWC-18	33.07022272 °	-83.80644257 °	1116946.85	2406930.82	510.41	1116947.75	2406931.32	513.29	510.3	
SGWC-19	33.06769326 °	-83.80917619 °	1116023.96	2406096.87	476.13	1116024.59	2406097.05	478.94	475.8	
SGWC-20	33.06769000 °	-83.81175300 °	1116021.41	2405308.01	501.69	1116020.73	2405307.67	504.60	501.5	
SGWC-21	33.06602134 °	-83.81538416 °	1115410.87	2404197.33	484.92	1115409.88	2404197.33	487.67	484.7	
SGWC-22	33.06639012 °	-83.81928520 °	1115540.82	2403002.51	515.51	1115540.08	2403001.81	518.02	515.4	
SGWC-23	33.06956902 °	-83.82211514 °	1116694.67	2402131.78	520.17	1116693.80	2402131.07	523.10	520.0	
SGWC-6	33.08461401 °	-83.82254980 °	1122168.22	2401979.68	507.87	1122167.18	2401979.98	510.49	507.7	
SGWC-7	33.08598968 °	-83.82163099 °	1122669.73	2402259.63	503.65	1122668.61	2402259.75	506.40	503.5	
SGWC-8	33.08652561 °	-83.81927889 °	1122866.63	2402979.75	511.68	1122865.98	2402979.50	514.28	511.5	
SGWC-9	33.08588545 °	-83.81772829 °	1122634.98	2403455.80	507.88	1122634.64	2403455.19	510.62	507.6	



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 7/17/20.

Reissued 8/10/20 to list Network Well ID

**Plant Scherer**

**3rd data set: LF Wells**

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	33.07272028	-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	
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	



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.

Reissued 8/10/20 to list Network Well ID

Plant Scherer

3rd data set: LF Wells

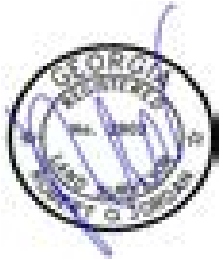
NETWORK WELL ID	PVC CASING LATITUDE	PVC CASING LONGITUDE	CONTROL NAIL NORTHING	CONTROL NAIL EASTING	CONTROL NAIL ELEVATION	PVC CASING NORTHING	PVC CASING EASTING	TOP OF PVC CASING ELEV.	GROUND ELEVATION	COMMENTS
GWA-40	33.07135310 °	-83.80056612 °	1117365.04	2408731.04	461.25	1117365.24	2408730.04	463.84	461.2	
GWA-41	33.07336732 °	-83.80159552 °	1118096.35	2408413.11	431.70	1118096.97	2408412.15	434.12	431.4	
GWA-42	33.07447862 °	-83.80217405 °	1118501.16	2408234.42	402.57	1118500.68	2408233.53	405.19	402.2	
GWA-43	33.07546760 °	-83.80135092 °	1118860.39	2408484.93	398.42	1118861.38	2408484.42	400.94	398.1	
GWA-44A	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	
LPZ-1	33.07044703 °	-83.83392205 °	1117001.26	2398512.52	550.47	1117001.58	2398513.19	553.29	550.0	Not included in list
LPZ-2	33.07861662 °	-83.83555064 °	1119973.02	2398005.15	511.42	1119972.34	2398004.93	514.52	511.1	
LPZ-3	33.07287074 °	-83.83344344 °	1117884.36	2398656.49	512.55	1117883.86	2398657.00	515.45	512.2	
LPZ-4	33.06760372 °	-83.83859982 °	1115963.25	2397083.50	458.31	1115962.59	2397083.47	461.24	458.1	
LPZ-5	33.06583940 °	-83.83007014 °	1115329.50	2399698.90	521.81	1115328.95	2399698.53	524.51	521.5	



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.

Reissued 8/13/20 to list Network Well ID and rename 2 wells

OBSERVED WELL ID	GAUGE LATITUDE	GAUGE LONGITUDE	GAUGE NORTHING	GAUGE EASTING	TOP OF GAUGE POST ELEVATION	COMMENTS
SG-1	33.08806386°	-83.79514726°	1123450.95	2410368.48	364.87	
SG-2	33.08998844°	-83.80211031°	1124143.69	2408233.46	373.05	
SG-3	33.09298876°	-83.80448056°	1125232.79	2407503.77	383.01	



I certify that the top of stream gauge post elevations reflect a relative vertical accuracy of 0.01 feet referencing NAVD88. Horizontal positions of stream gauges reflect accuracies of 0.50 feet or better. Coordinates reference Georgia State Plane, west zone, NAD83(2011) coordinate system in US survey feet. Issued 7/31/20.

**APPENDIX C**

**1st SEMI-ANNUAL 2020  
STATISTICAL ANALYSES REPORTS**

STATISTICAL ANALYSES REPORTS

CELL 1

## 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	Yes	25	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	Yes	25	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	Yes	25	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	Yes	25	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	Yes	22	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

# 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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>Yes11</b>	<b>n/a</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 (normality) 1 of 2</b>
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>Yes14</b>	<b>n/a</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>	<b>NP (normality) 1 of 2</b>
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>Yes11</b>	<b>n/a</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>	<b>NP (NDs) 1 of 2</b>
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>Yes11</b>	<b>0.7273</b>	<b>0.2315</b>	<b>0.2315</b>	<b>27.27</b>	<b>Kaplan-Meier</b>	<b>No</b>	<b>0.0004426</b>	<b>Param 1 of 2</b>	
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>Yes11</b>	<b>n/a</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>	<b>NP (NDs) 1 of 2</b>
<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>Yes11</b>	<b>n/a</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>	<b>NP (NDs) 1 of 2</b>
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

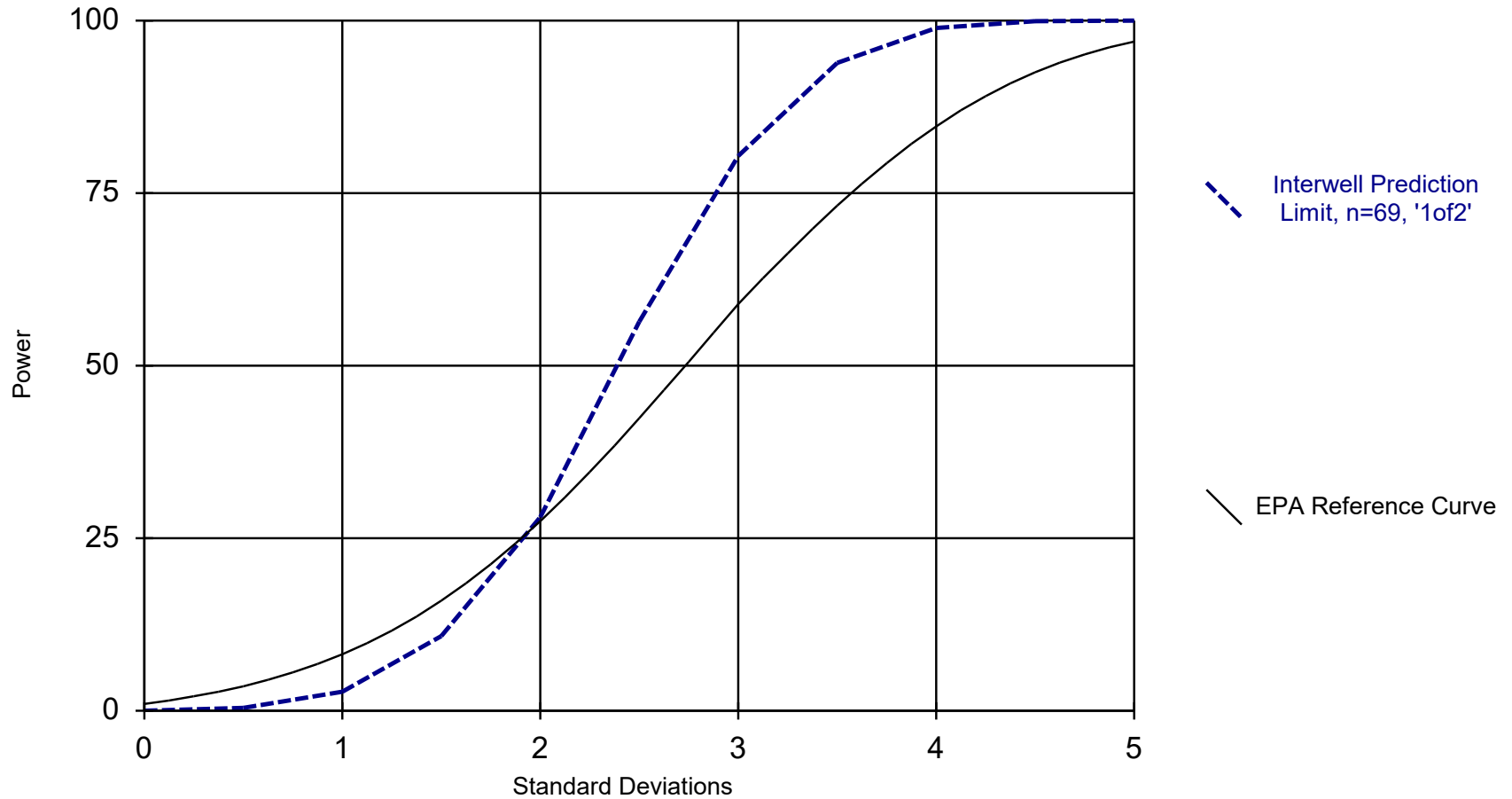
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWA-15 (bg)	0.036	8	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, 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

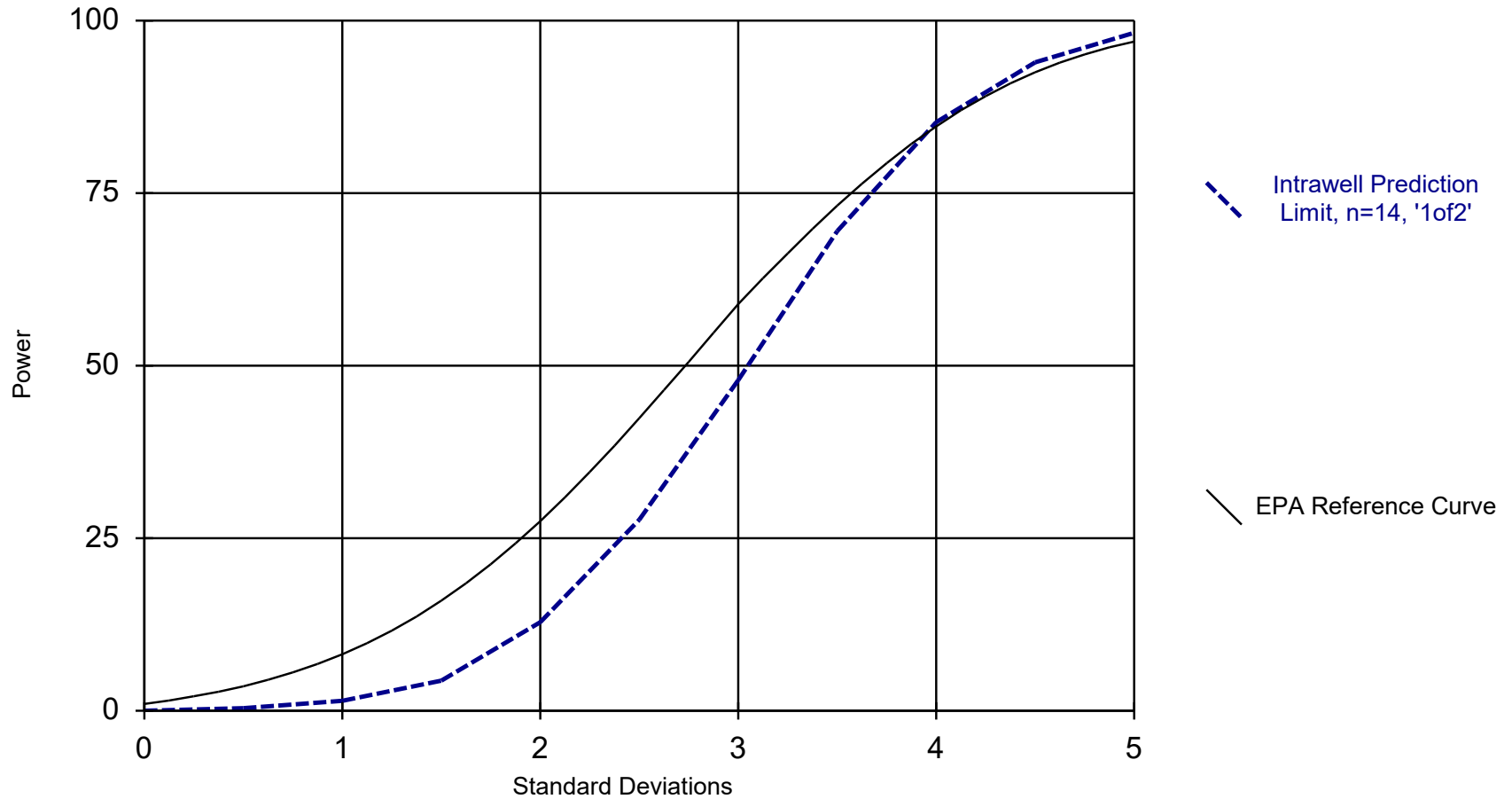


Kappa = 2.303, based on 17 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 12:10 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### State Parameter Intrawell Power Curve

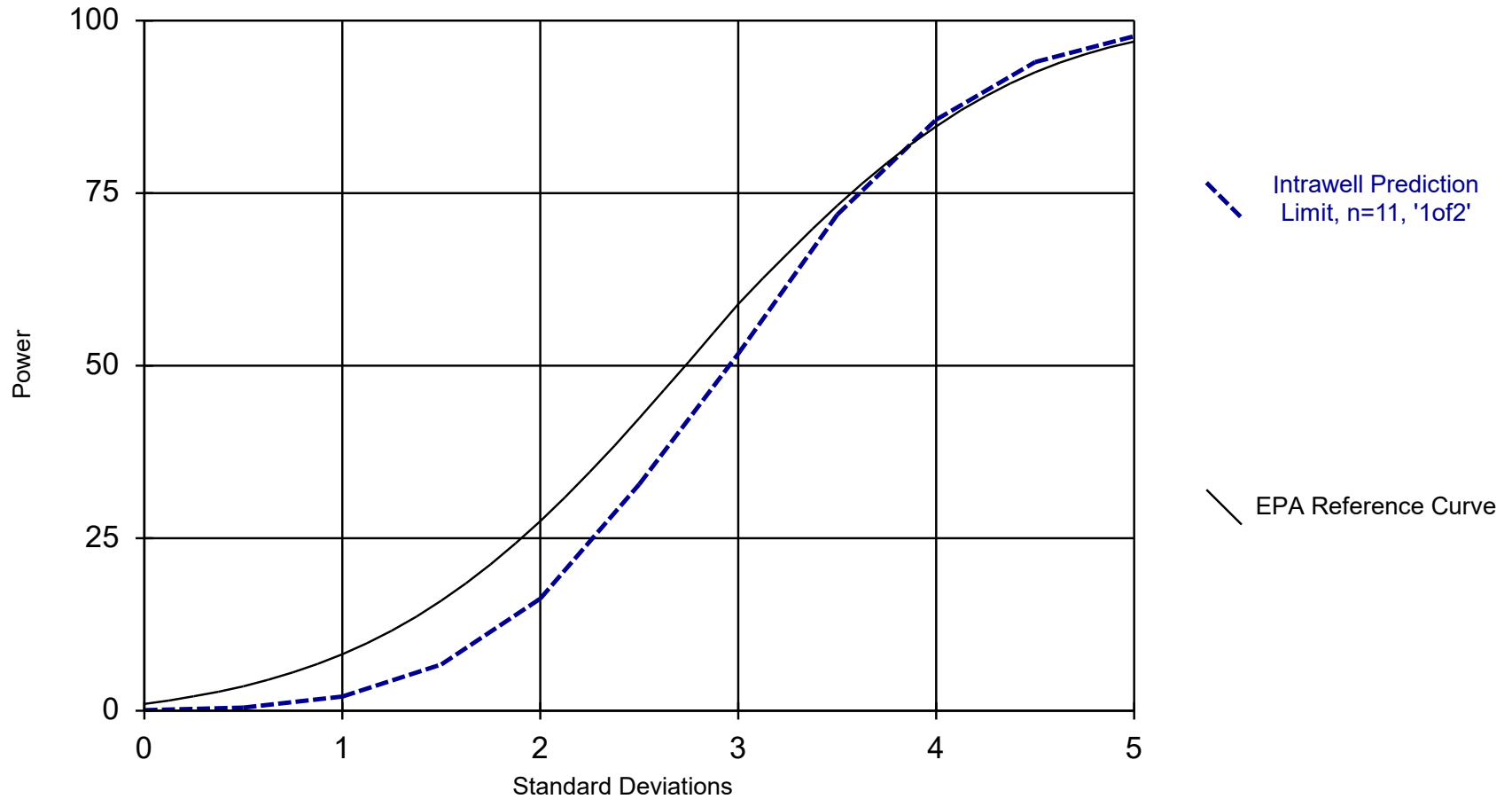


Kappa = 2.999, based on 17 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/19/2020 12:54 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Appendix III Intrawell Power Curve



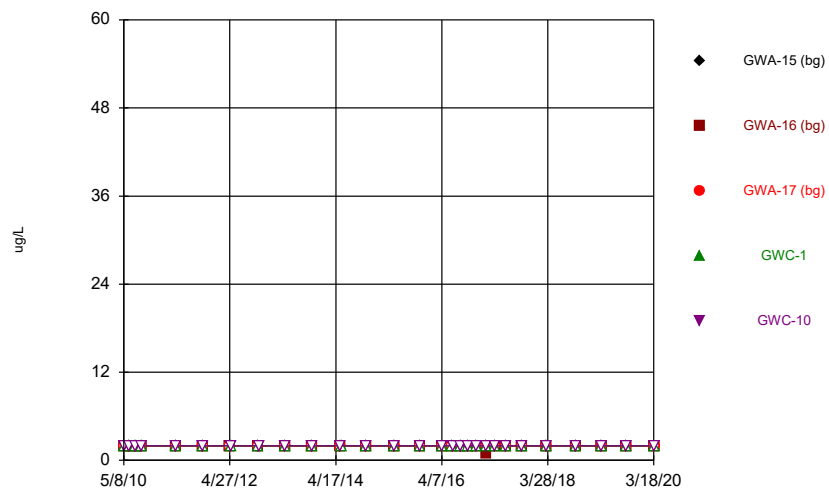
Kappa = 2.941, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 12:09 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

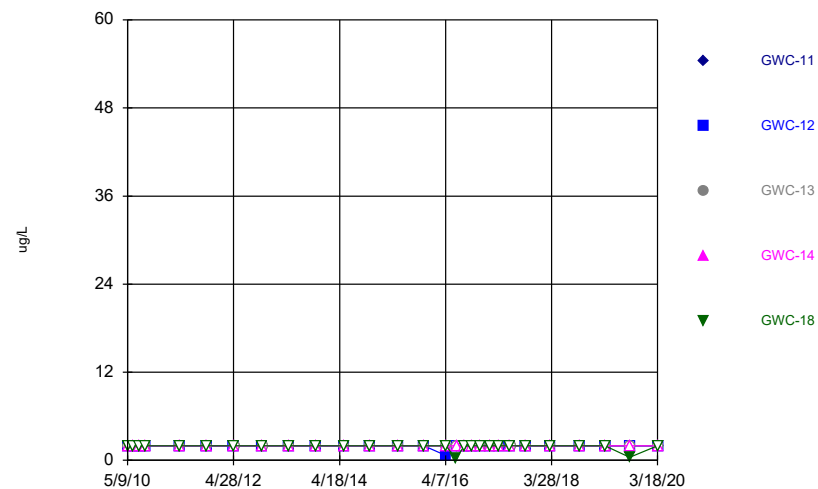
FIGURE A.

### Time Series



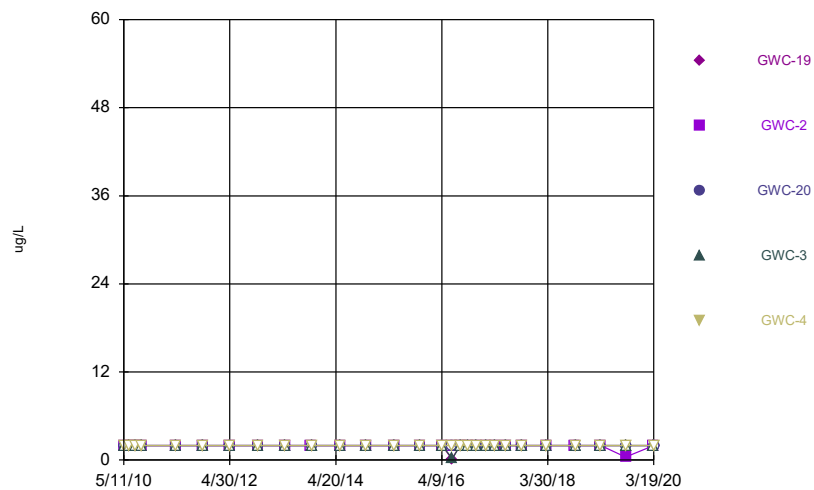
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



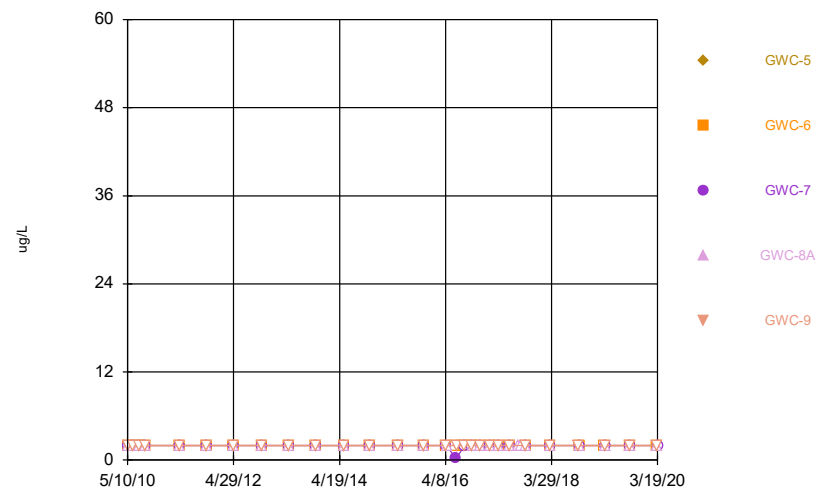
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



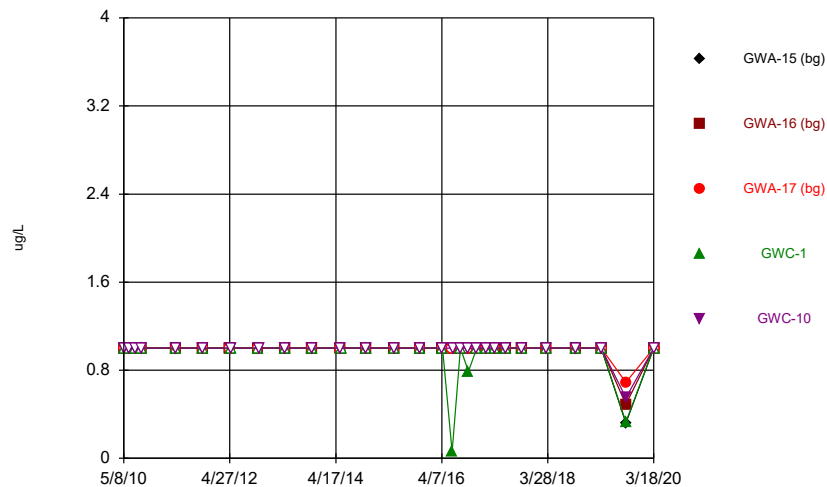
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



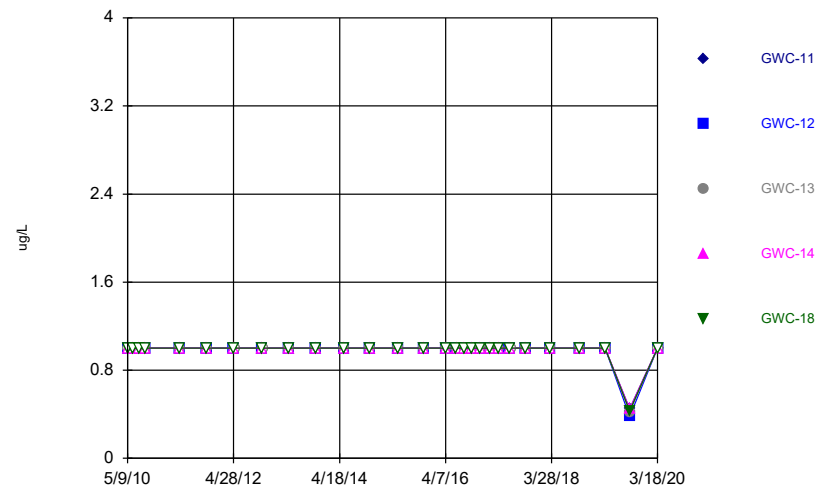
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



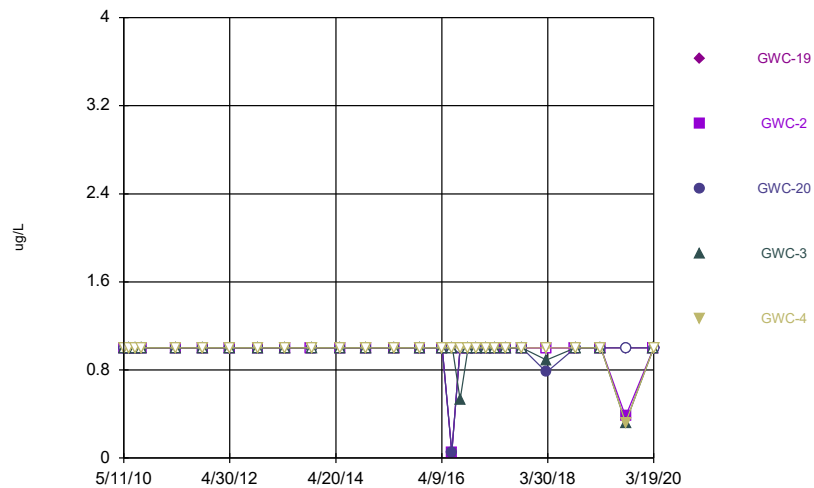
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



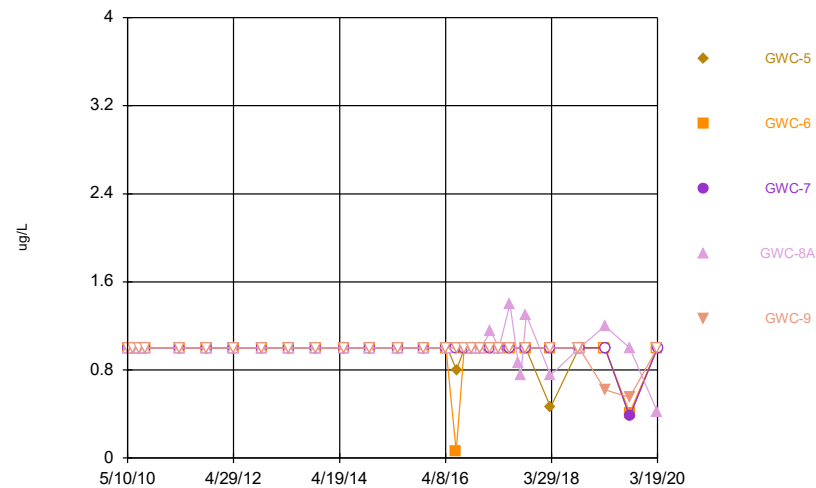
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Arsenic, Total Analysis Run 6/19/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

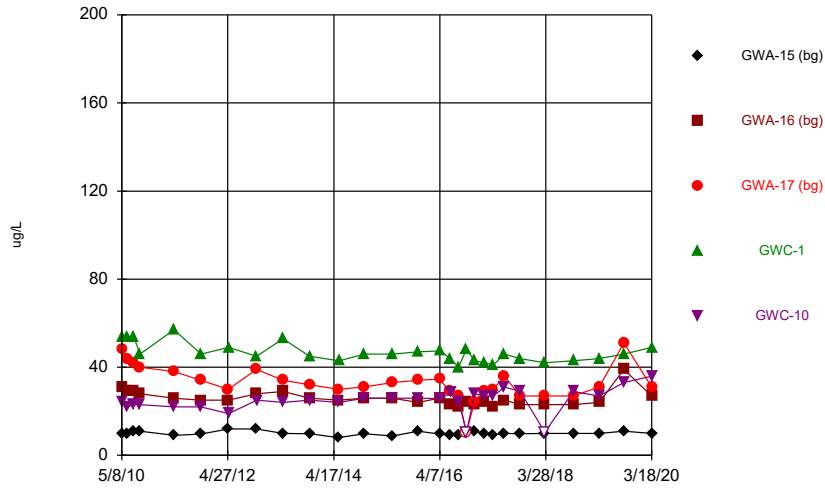
### Time Series



Constituent: Arsenic, Total Analysis Run 6/19/2020 8:55 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

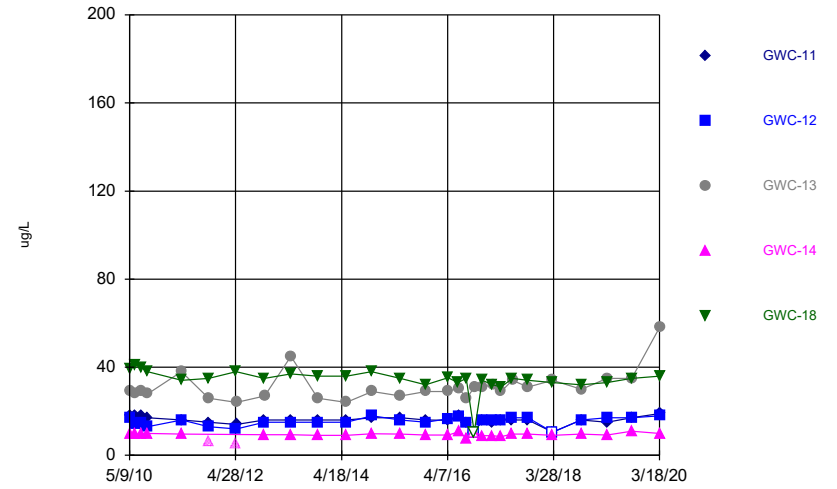


### Time Series



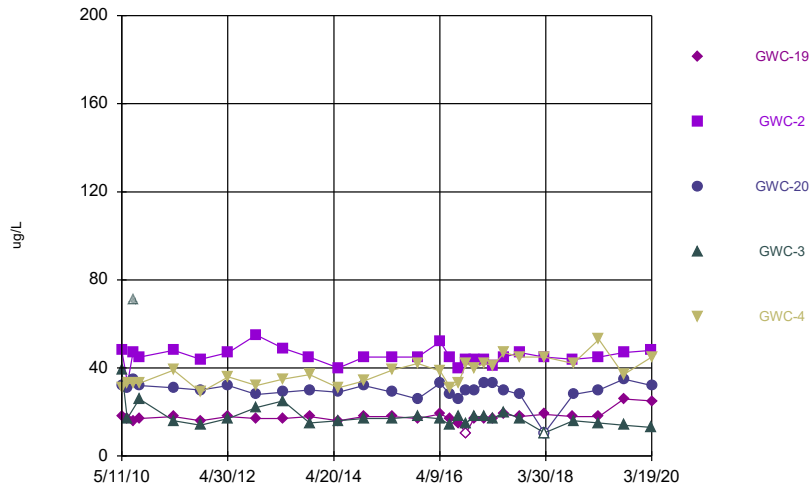
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



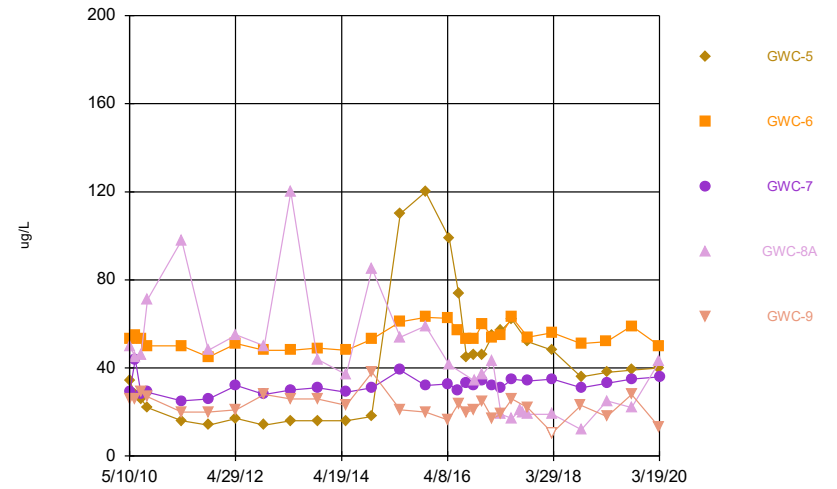
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



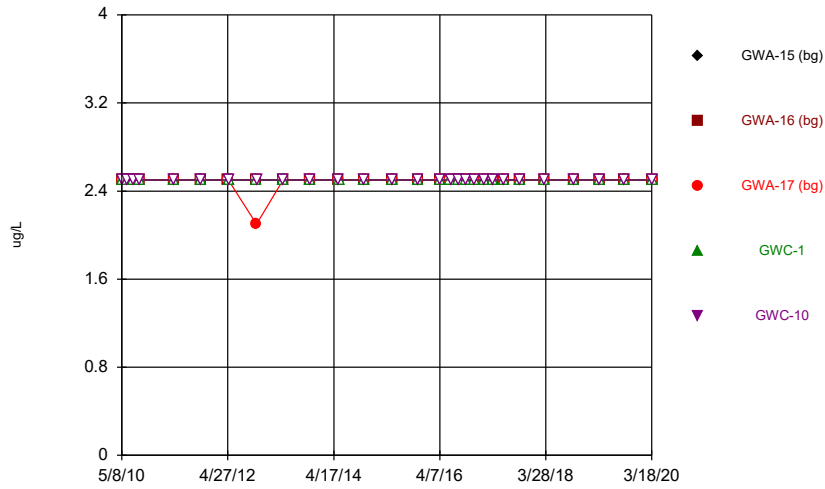
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



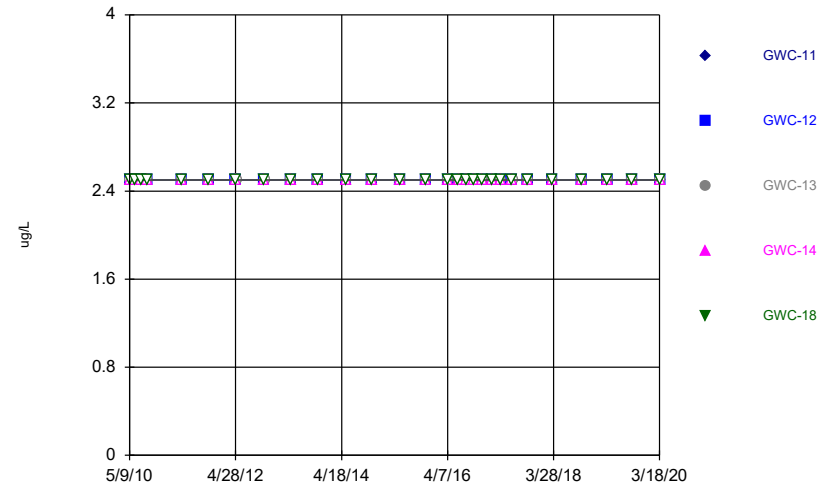
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



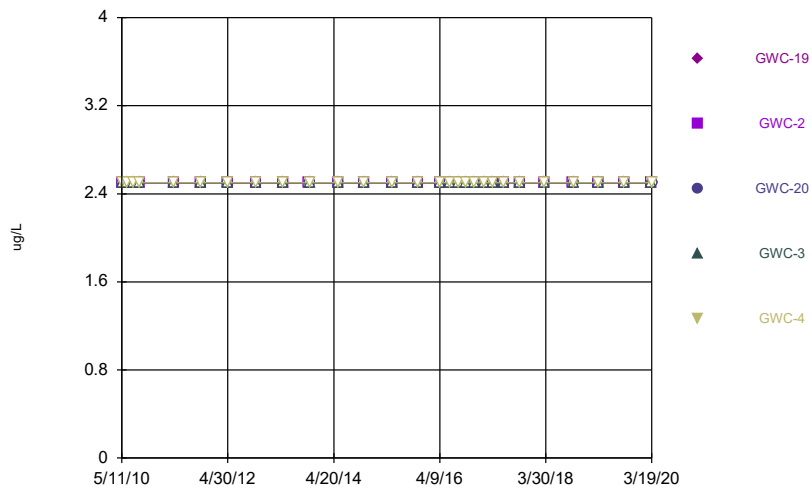
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



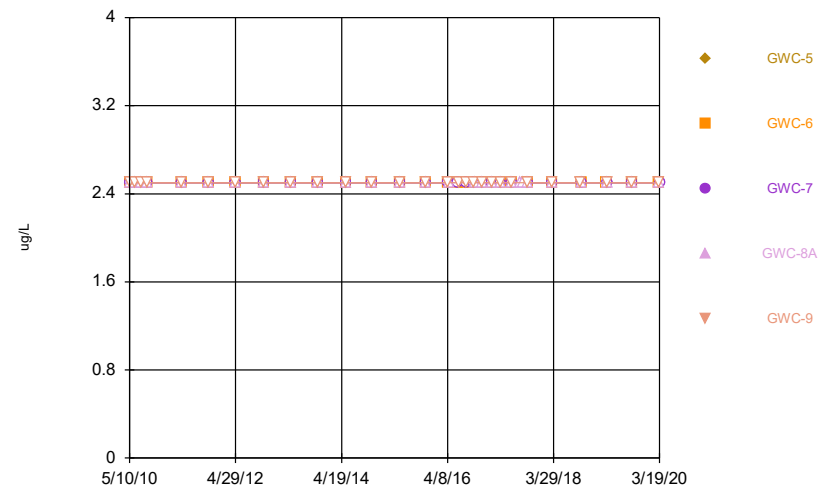
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



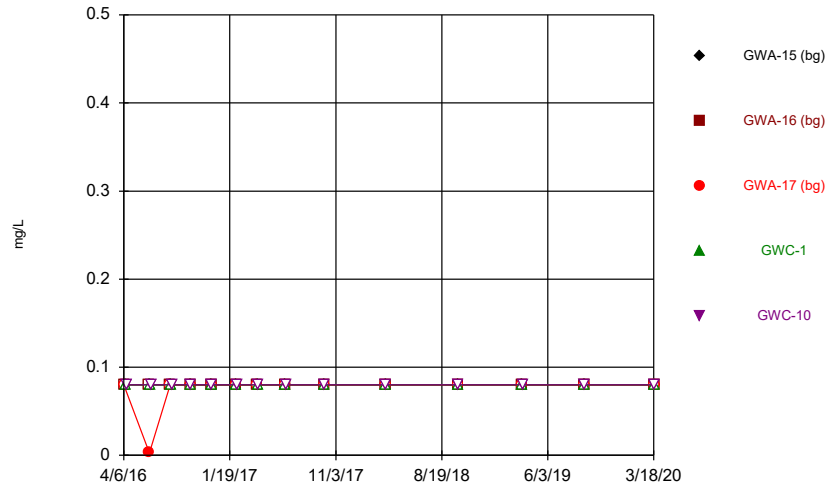
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



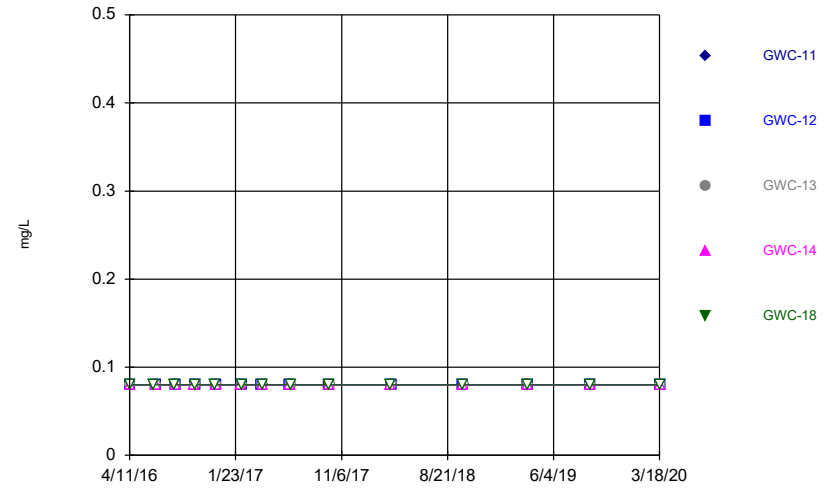
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



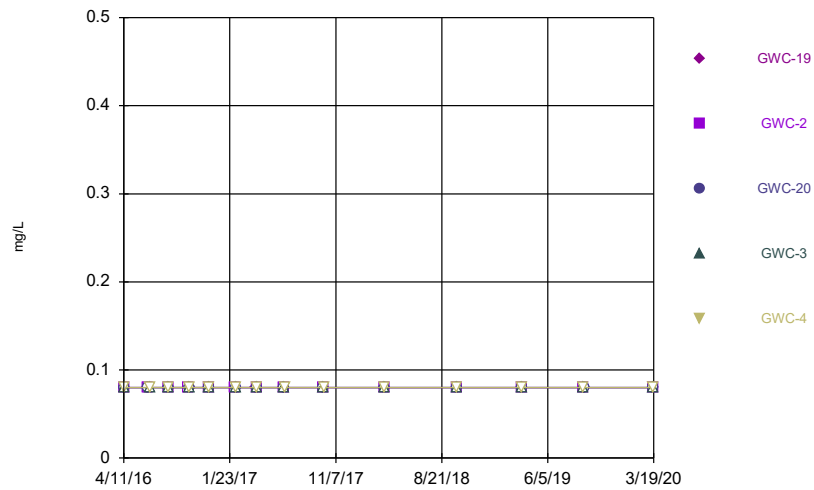
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



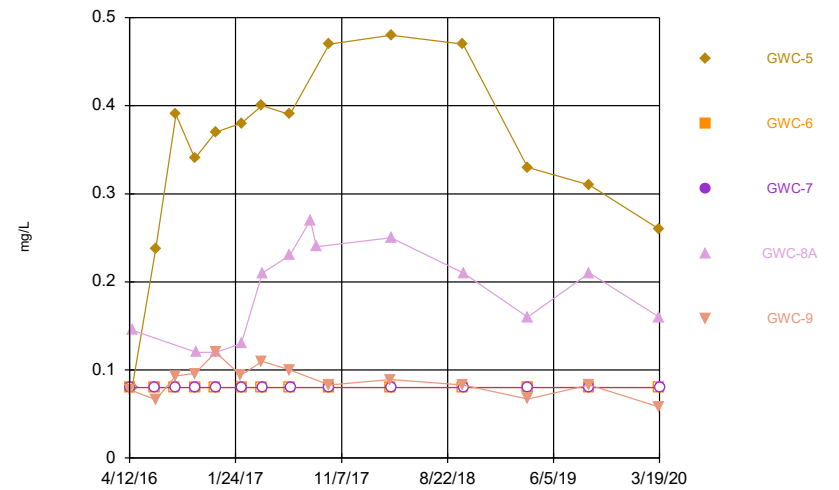
Constituent: Boron, total Analysis Run 6/19/2020 9:10 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



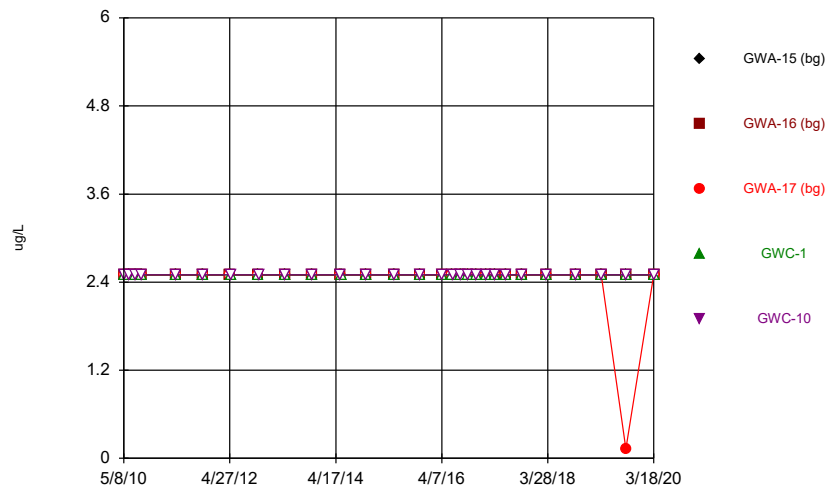
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



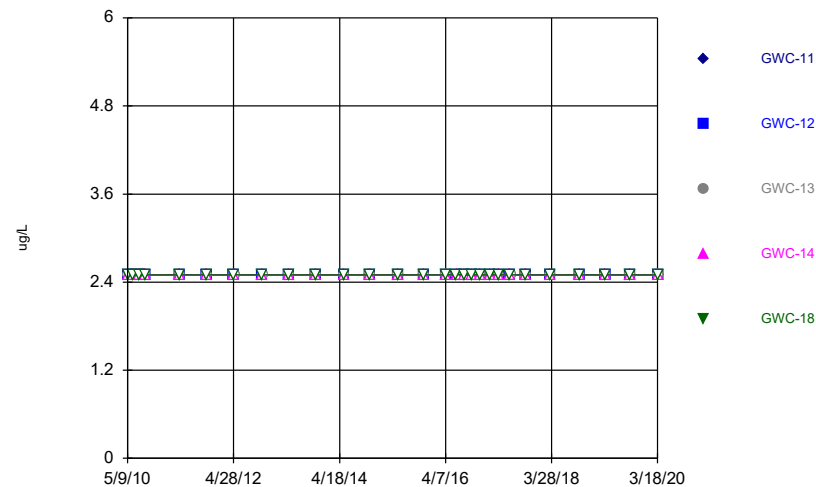
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



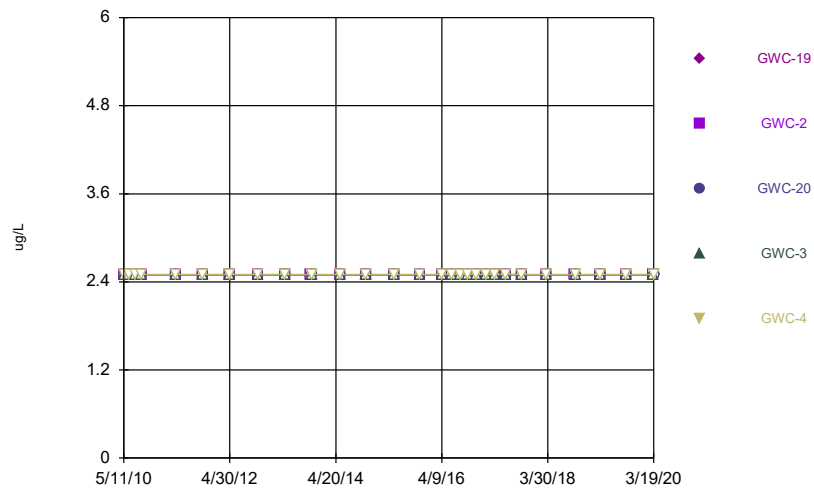
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



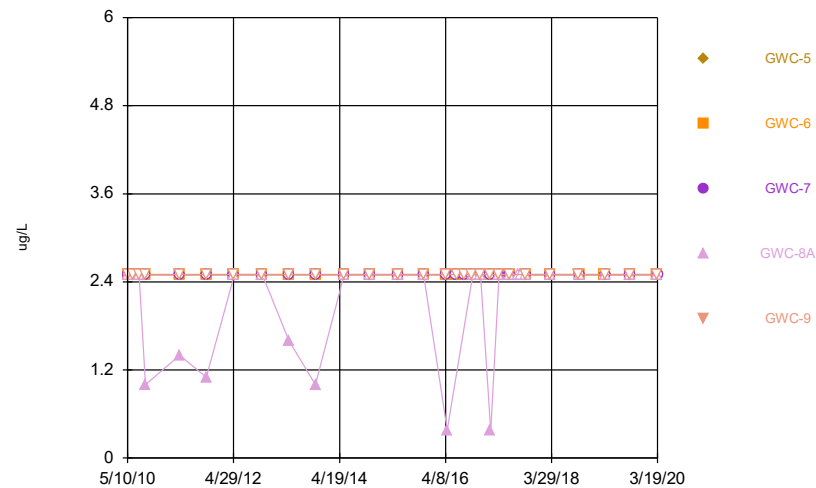
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



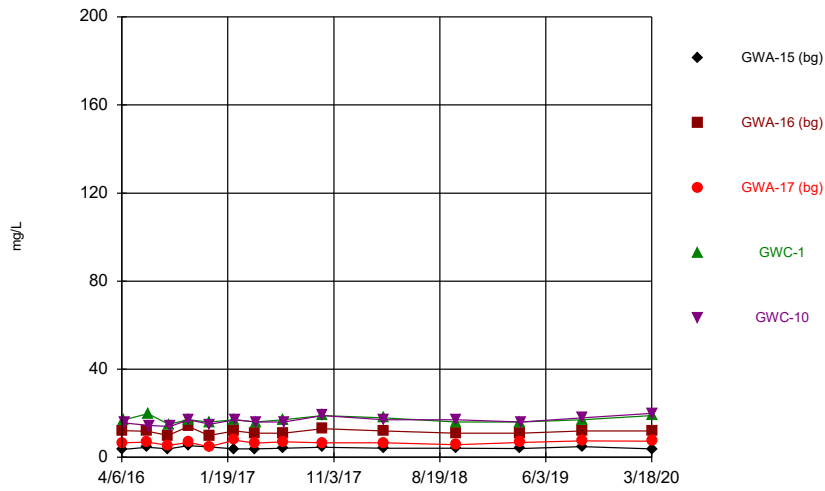
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



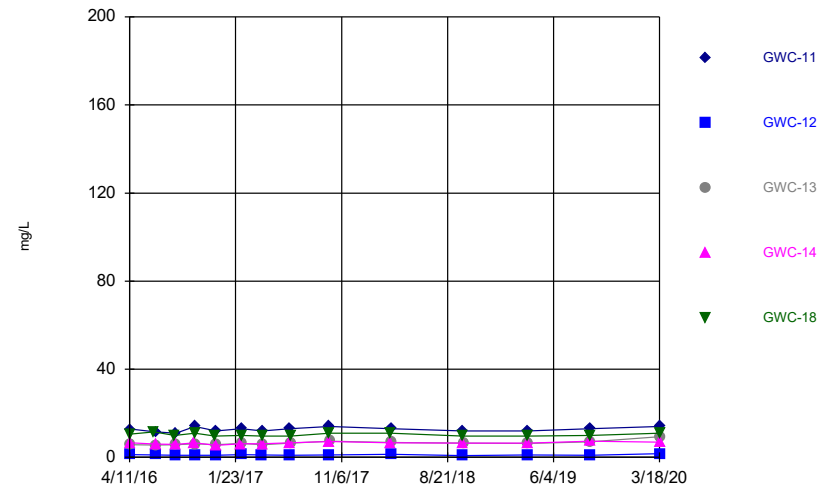
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



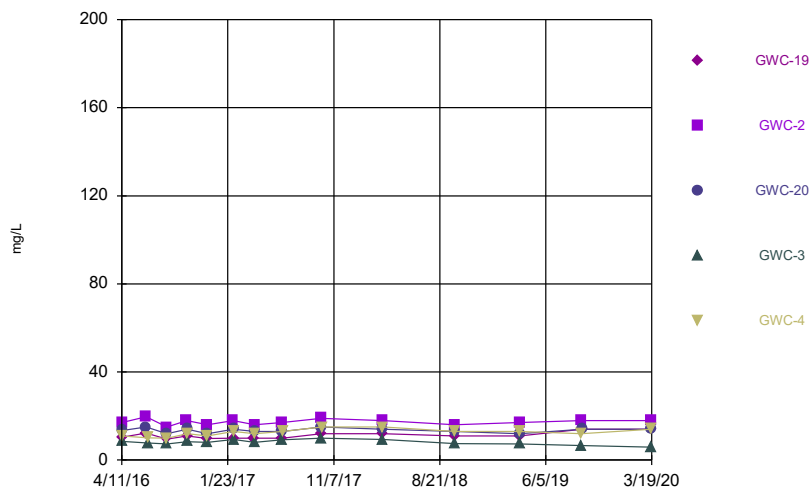
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



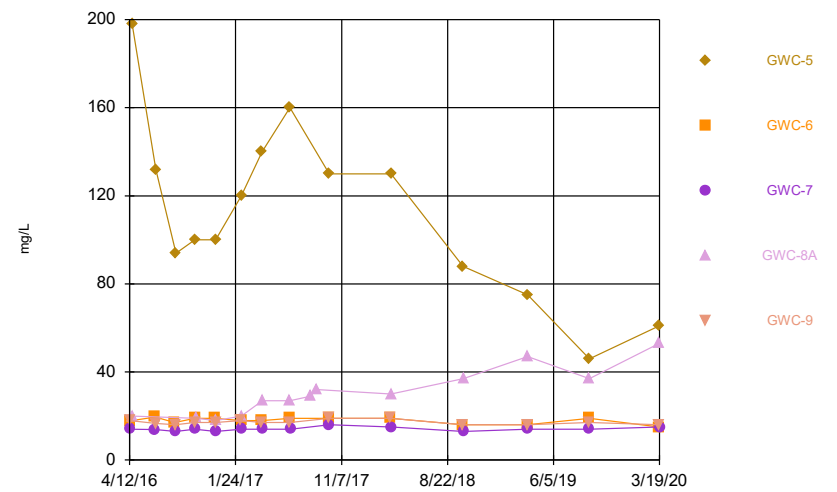
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



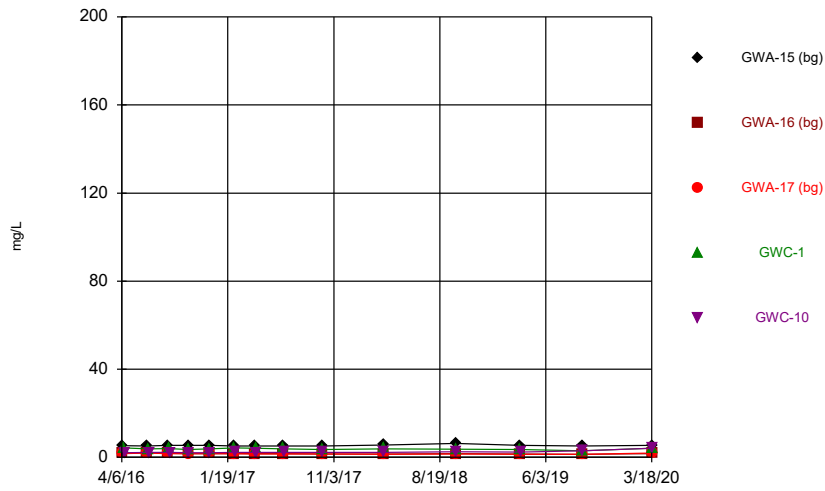
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



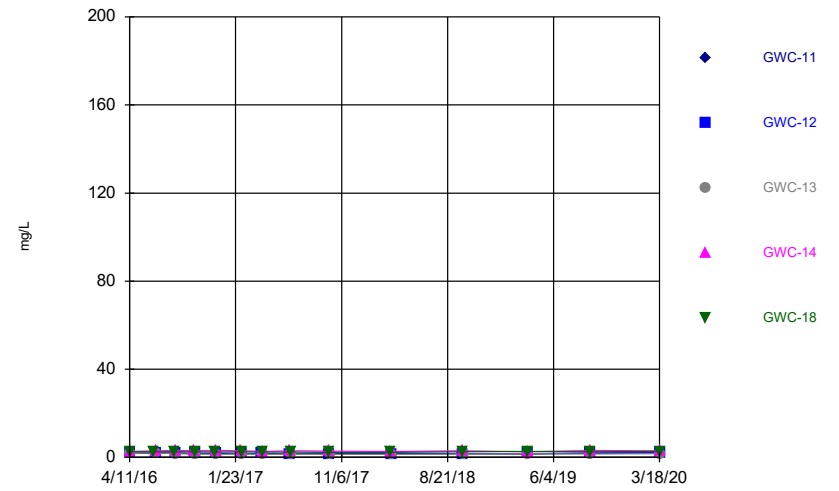
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



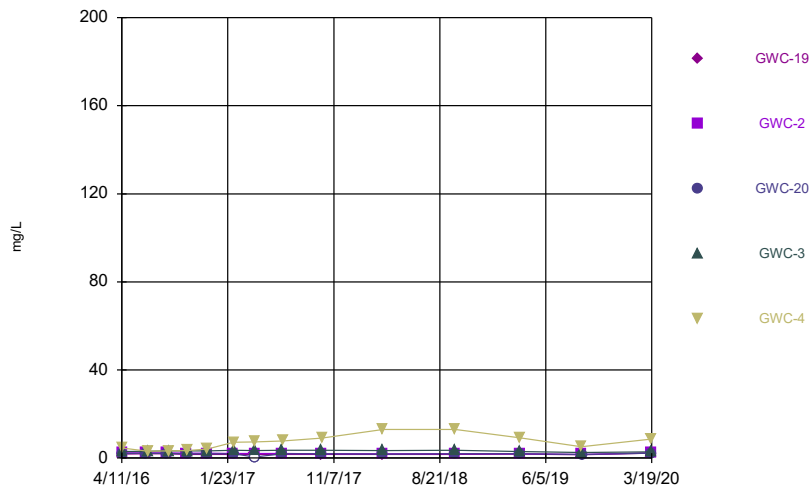
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



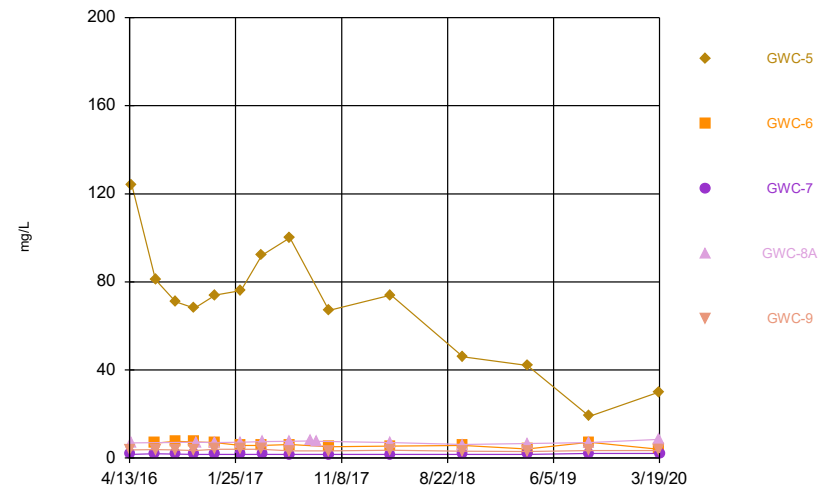
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



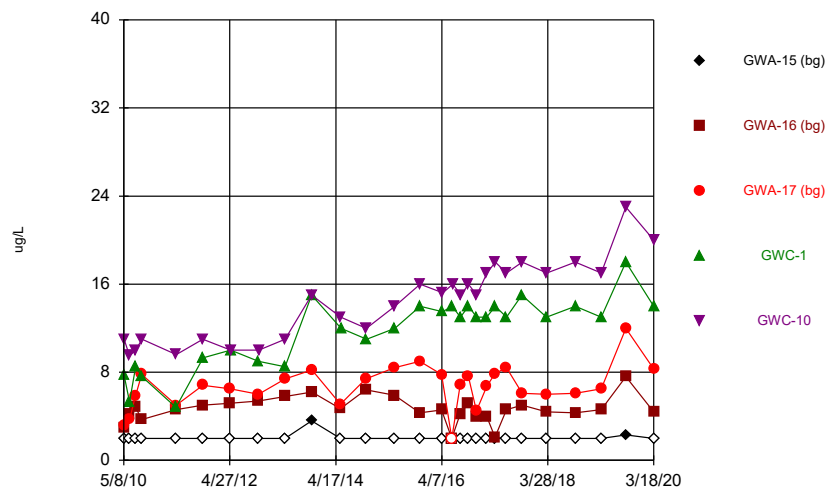
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



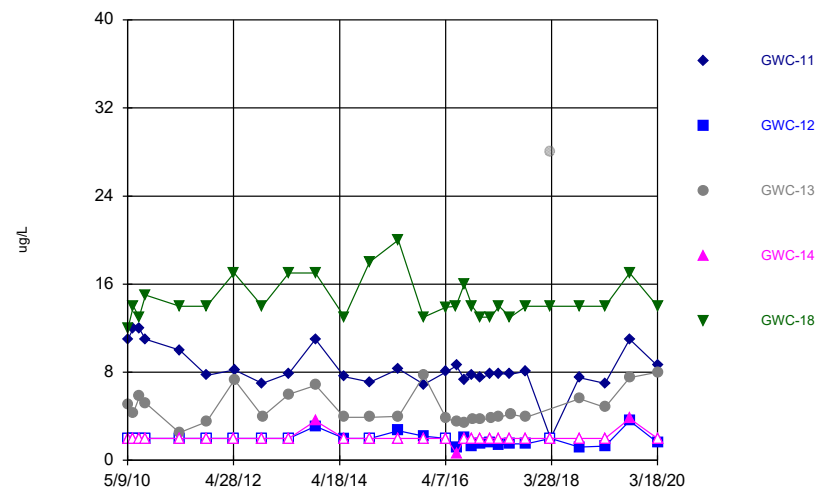
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



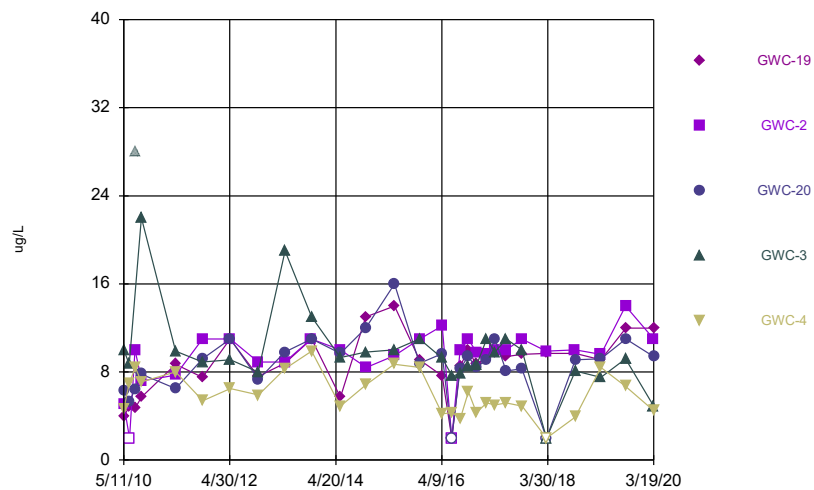
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



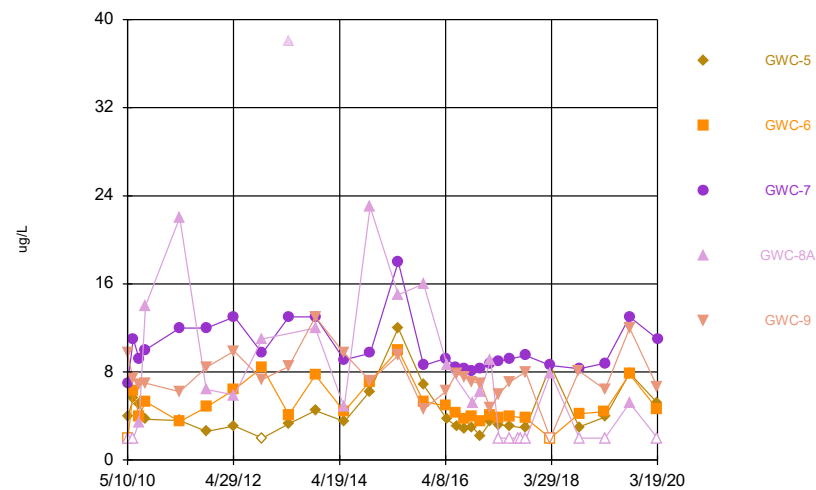
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



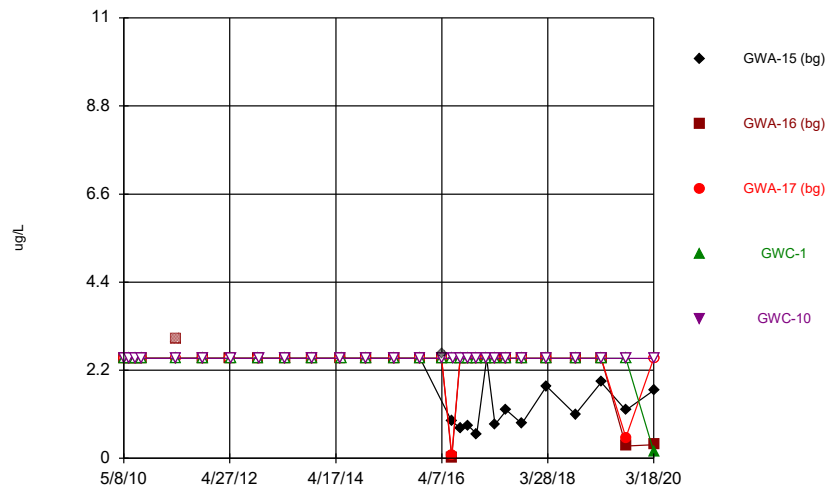
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



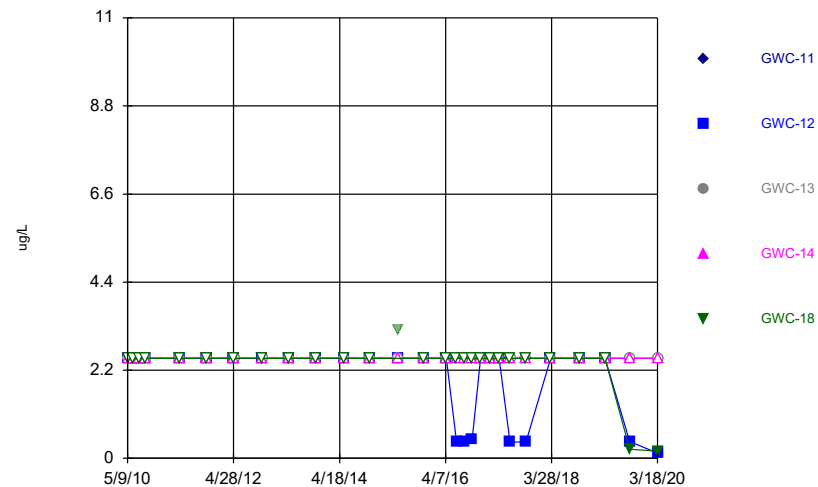
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



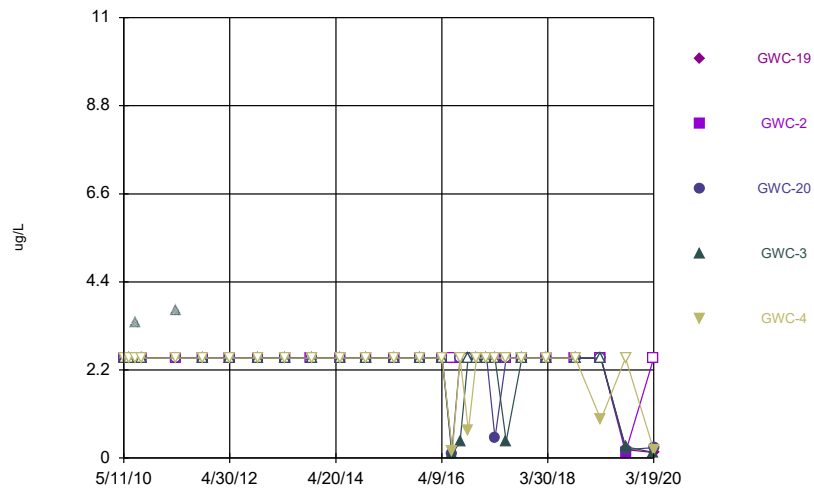
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



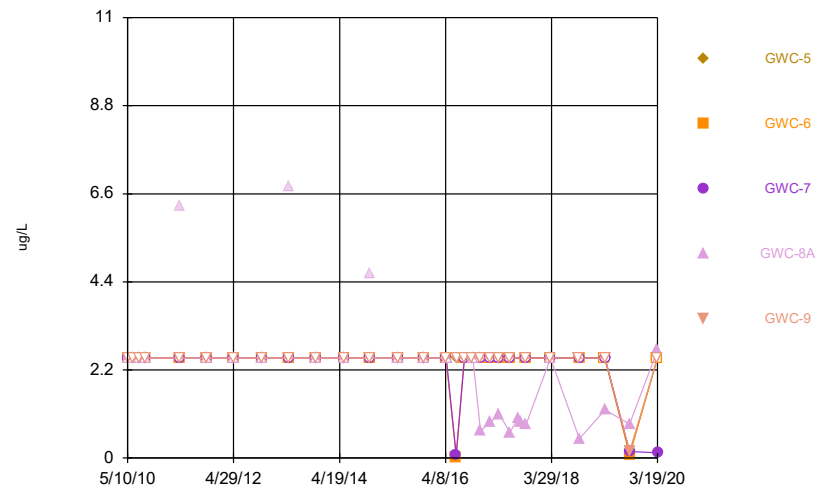
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

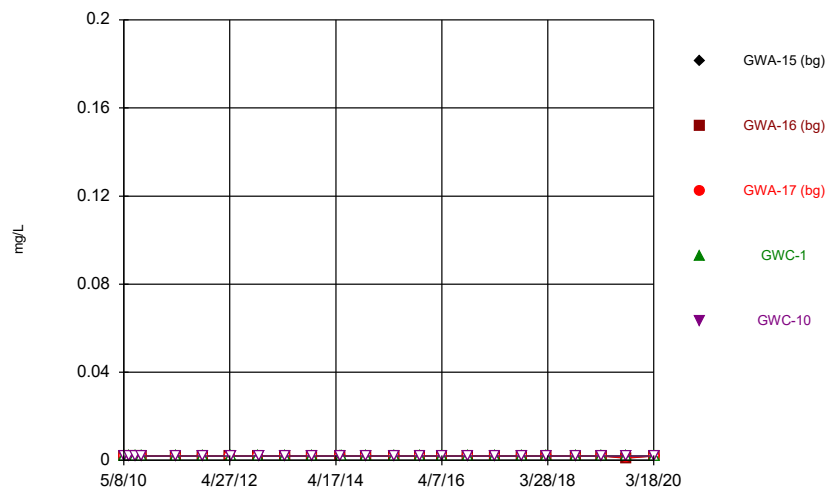
### Time Series



Constituent: Cobalt, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

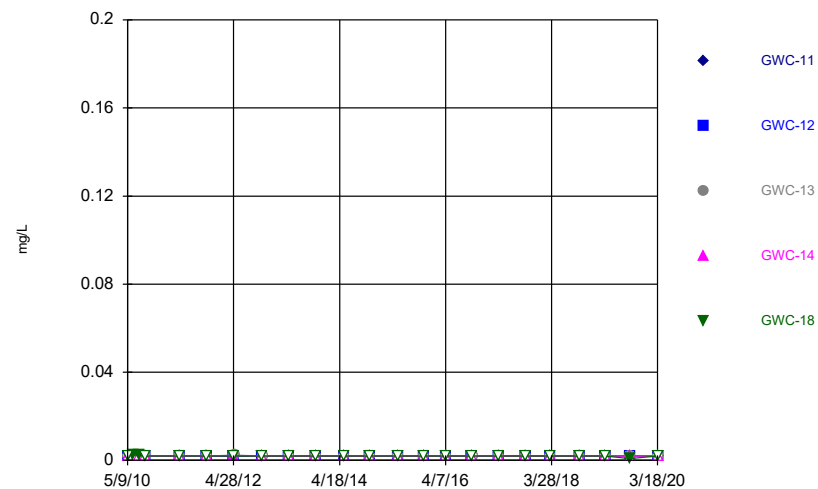


### Time Series



Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



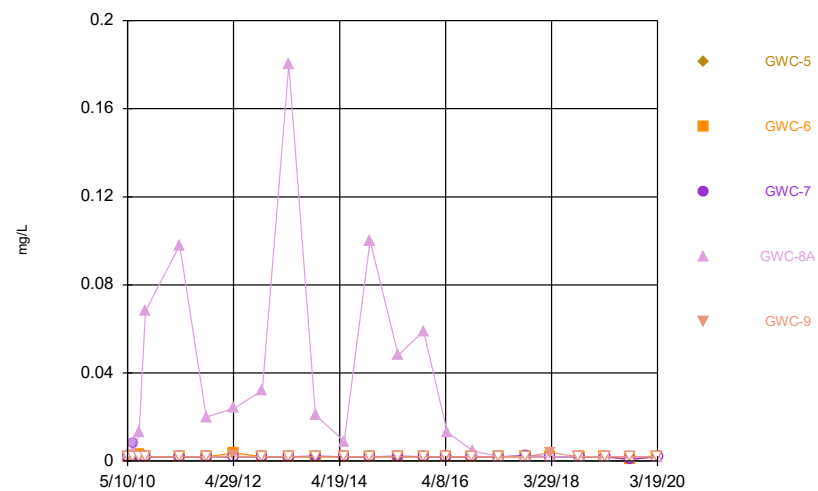
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



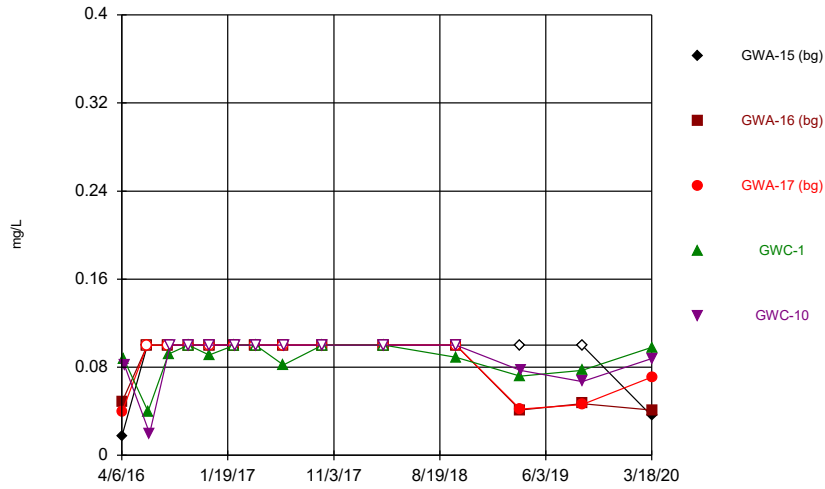
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



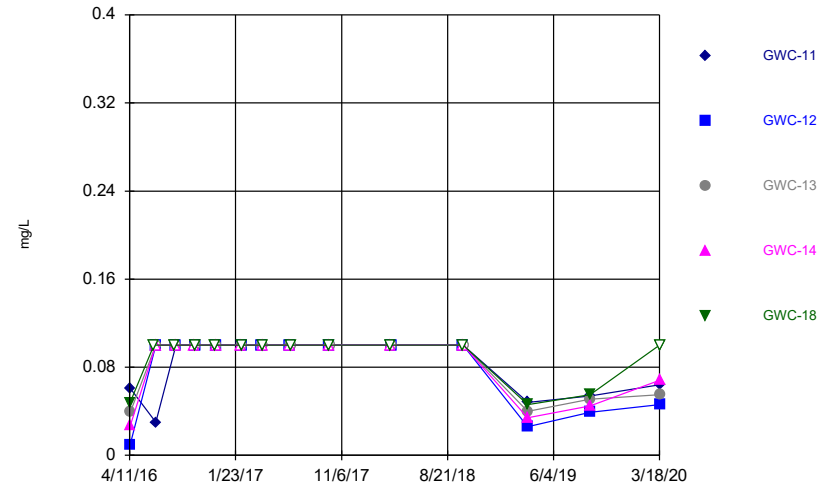
Constituent: Copper Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



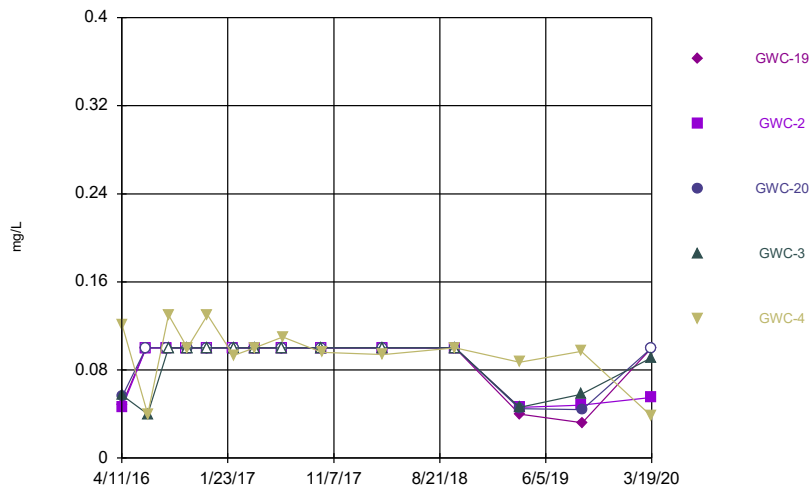
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



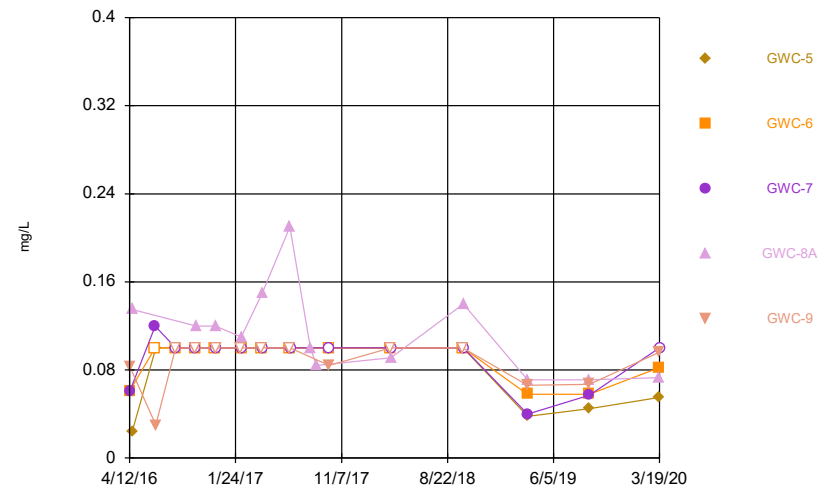
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



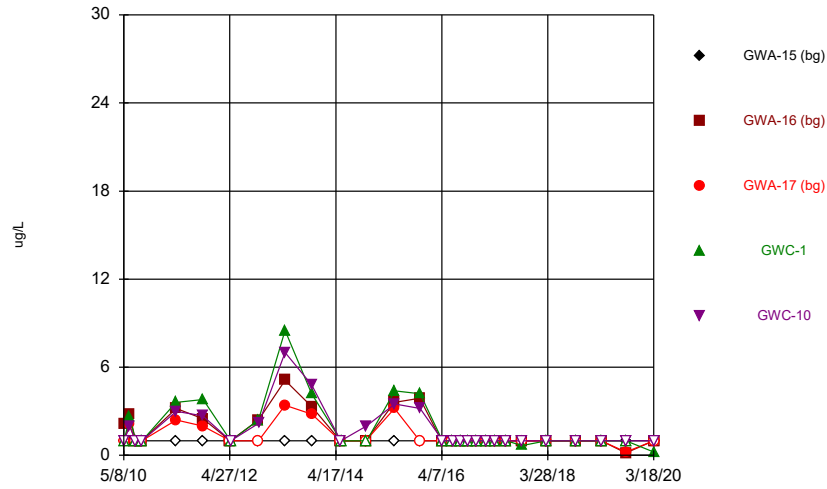
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



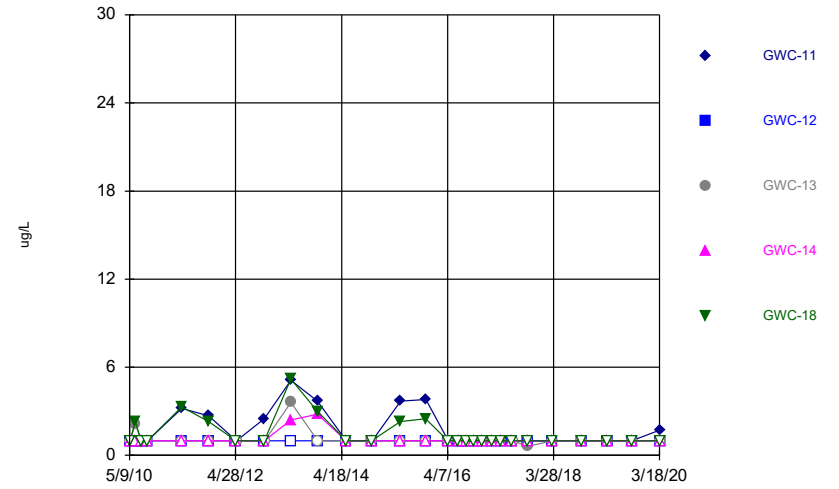
Constituent: Fluoride, total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



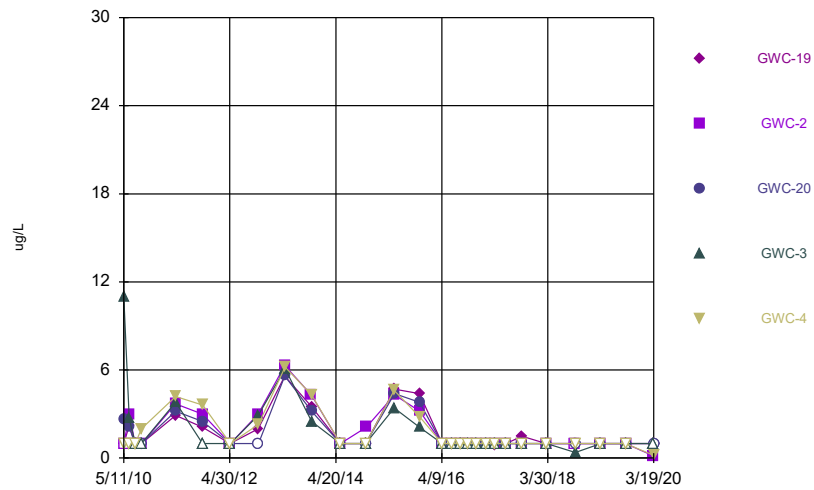
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



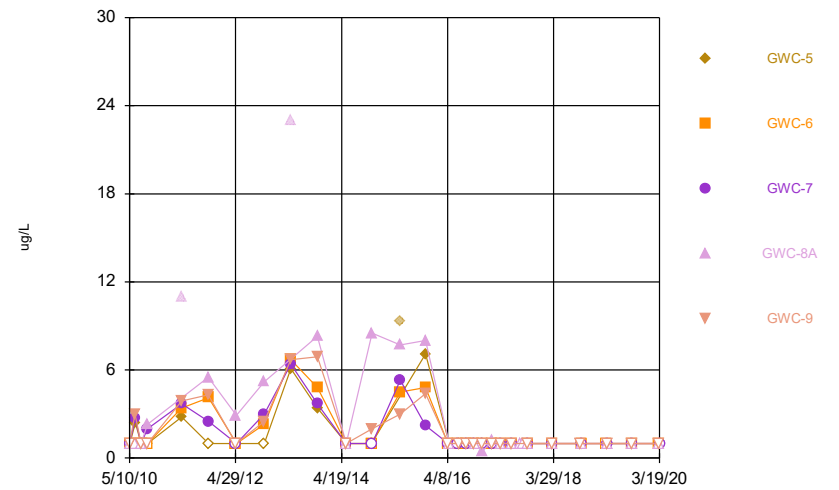
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



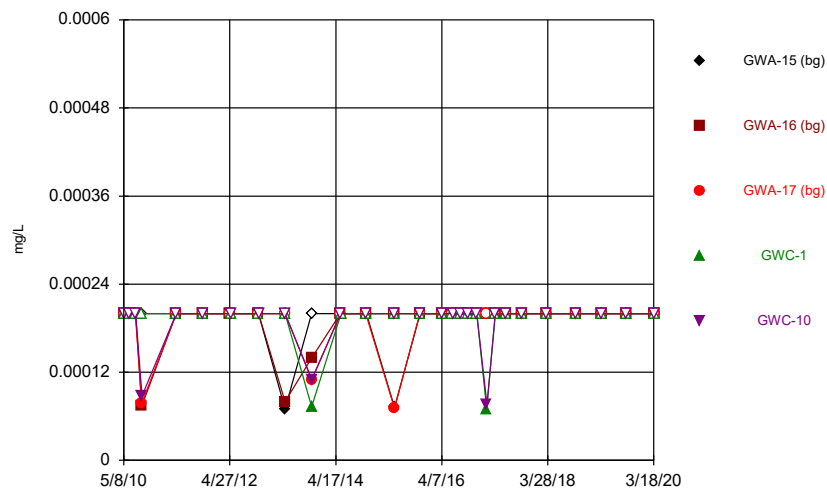
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



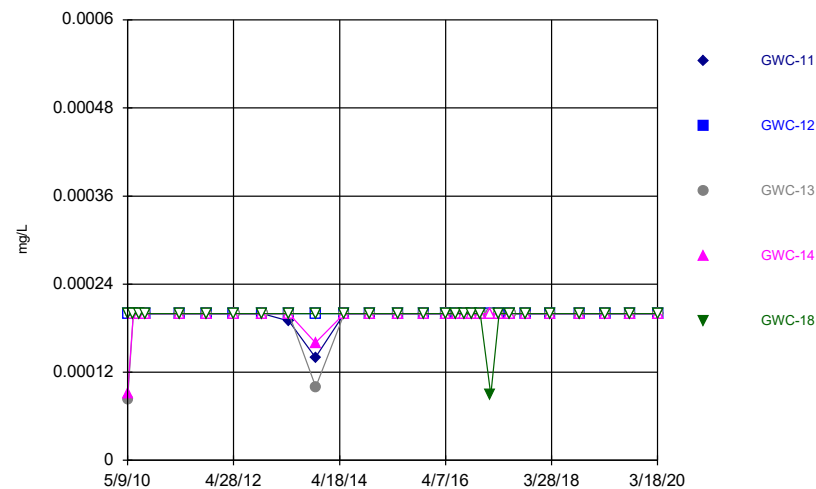
Constituent: Lead, Total Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



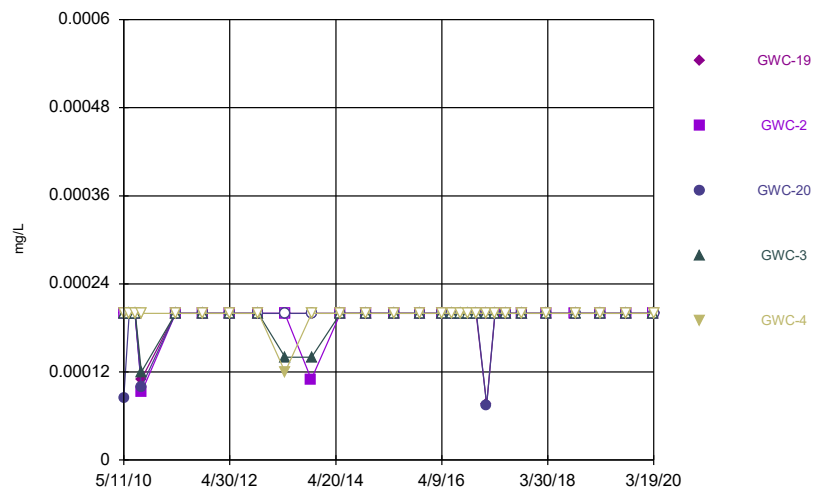
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



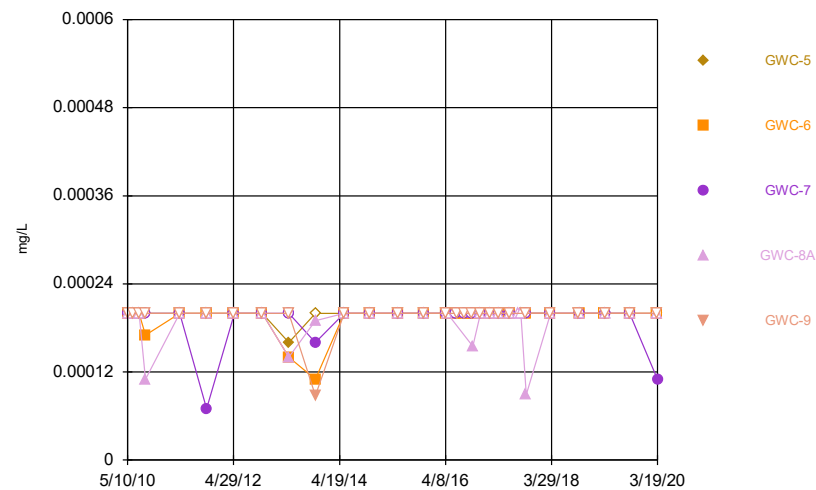
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



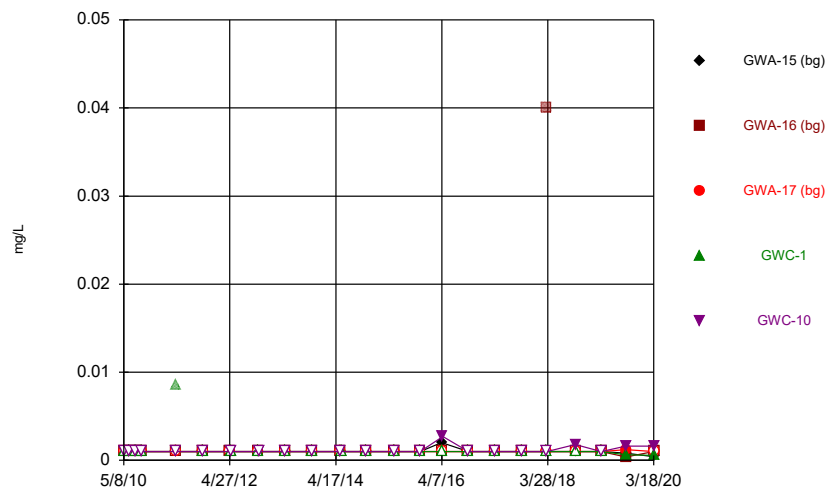
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



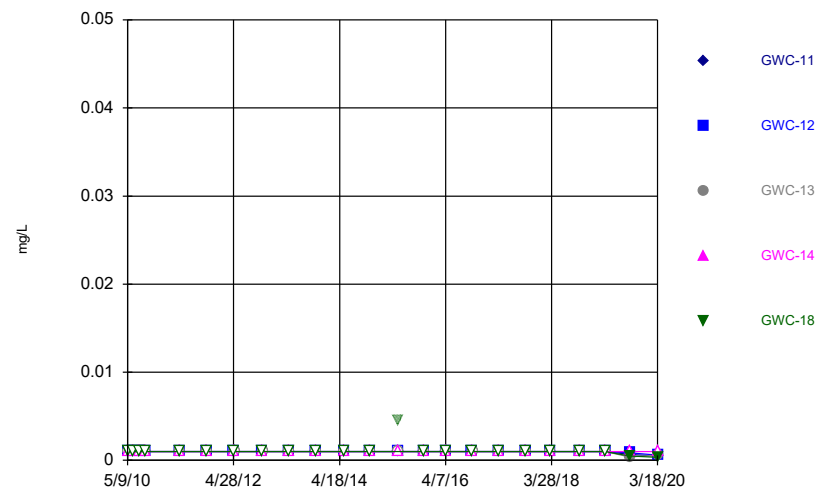
Constituent: Mercury Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



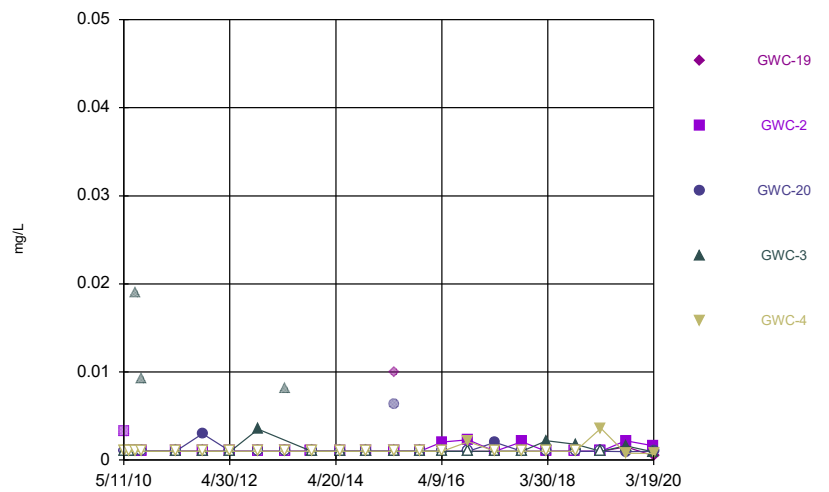
Constituent: Nickel Analysis Run 6/19/2020 9:11 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



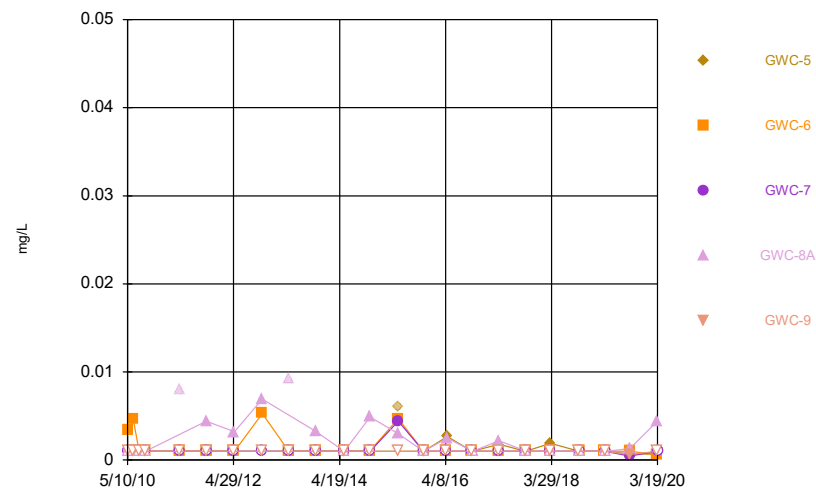
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



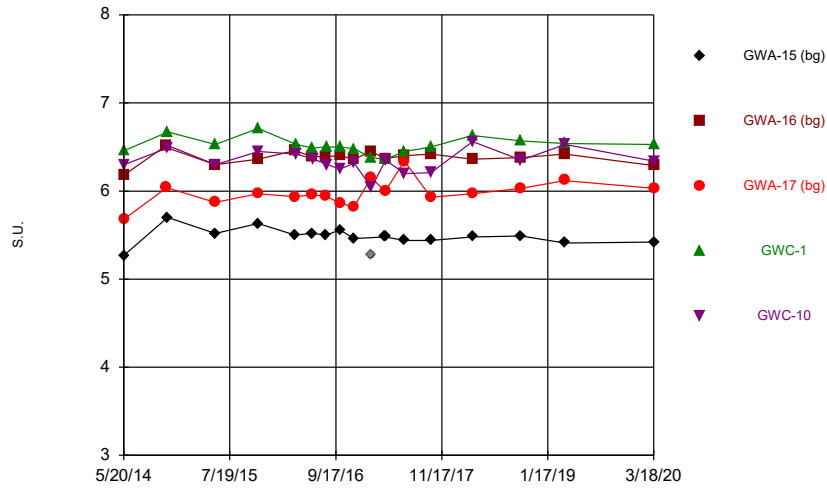
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



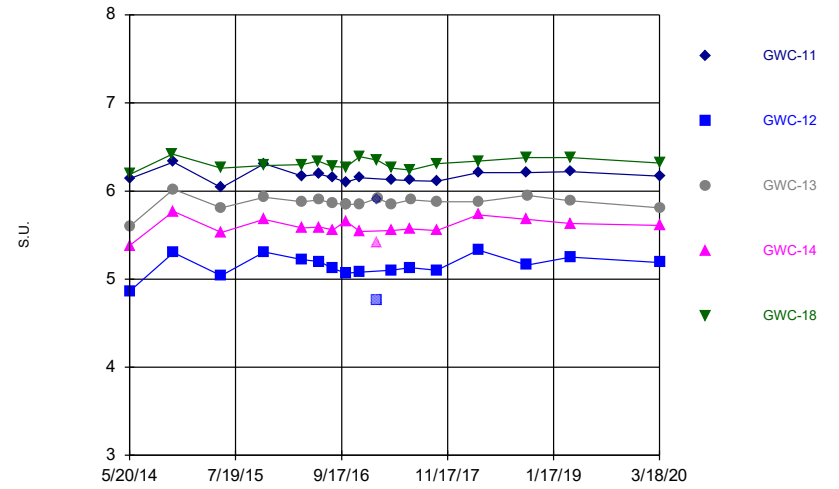
Constituent: Nickel Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



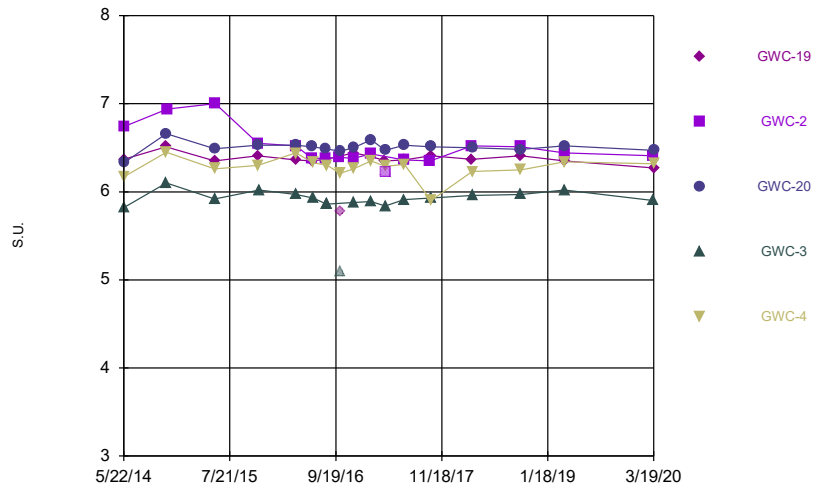
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



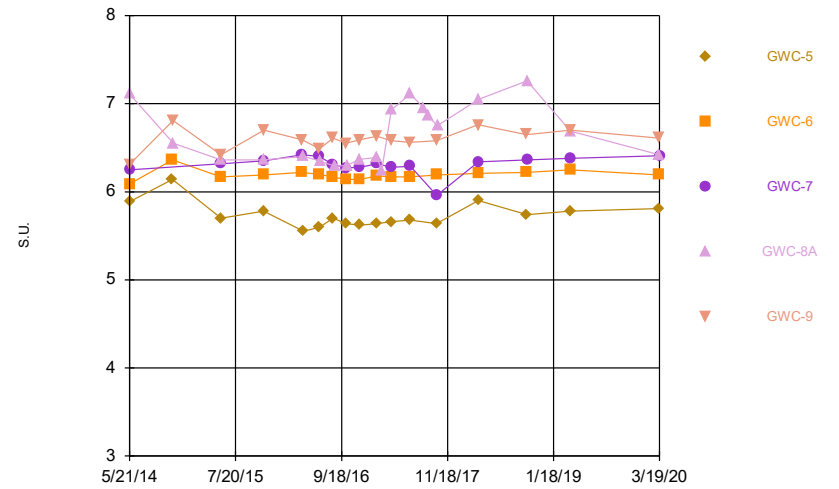
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



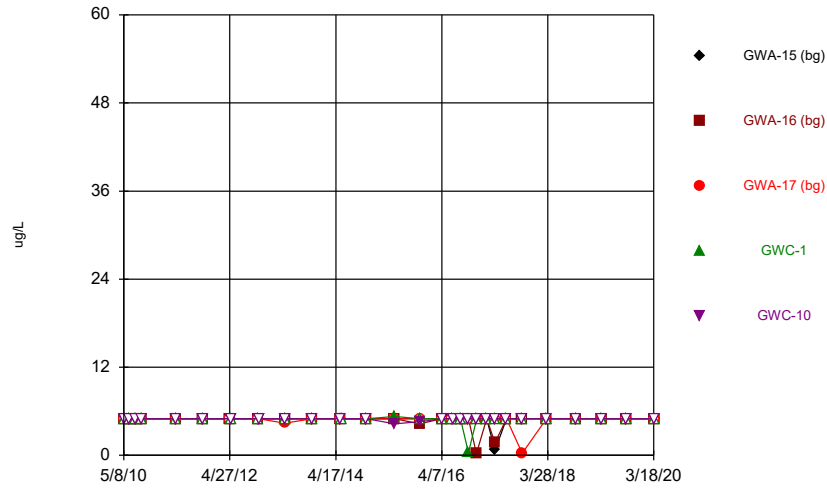
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



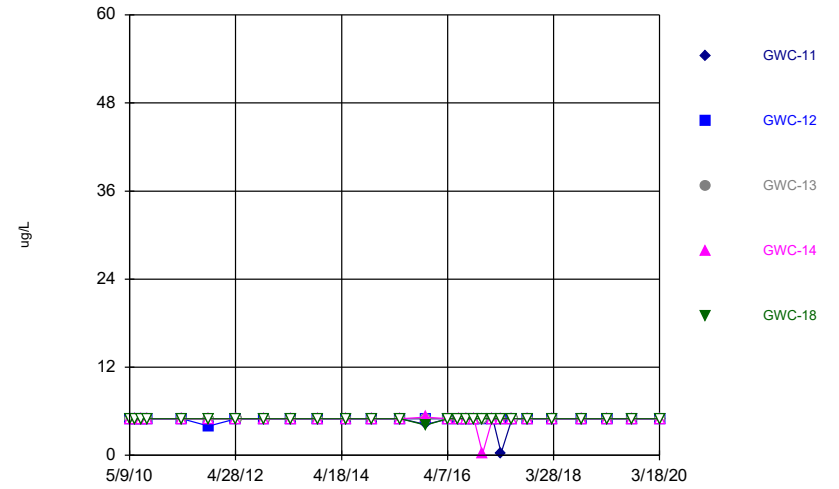
Constituent: pH, Field Analysis Run 6/19/2020 9:12 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



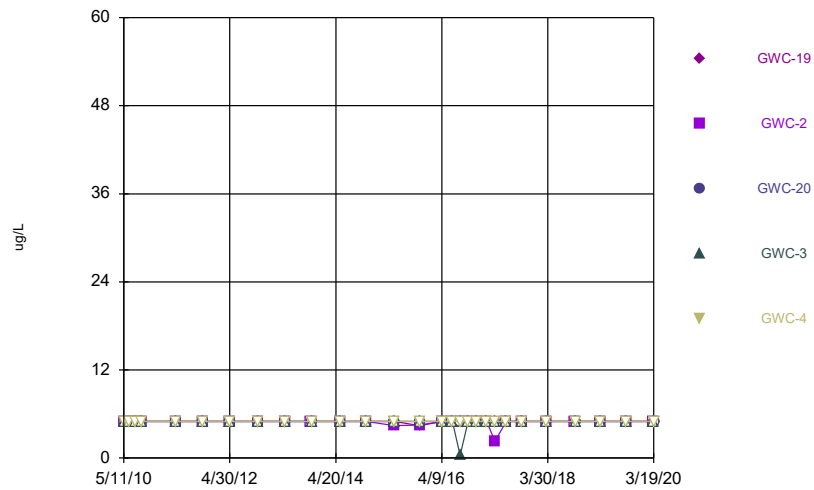
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



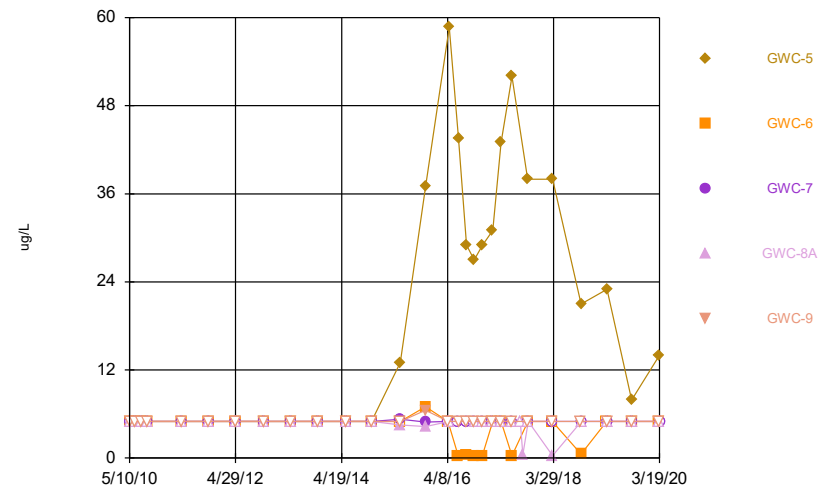
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



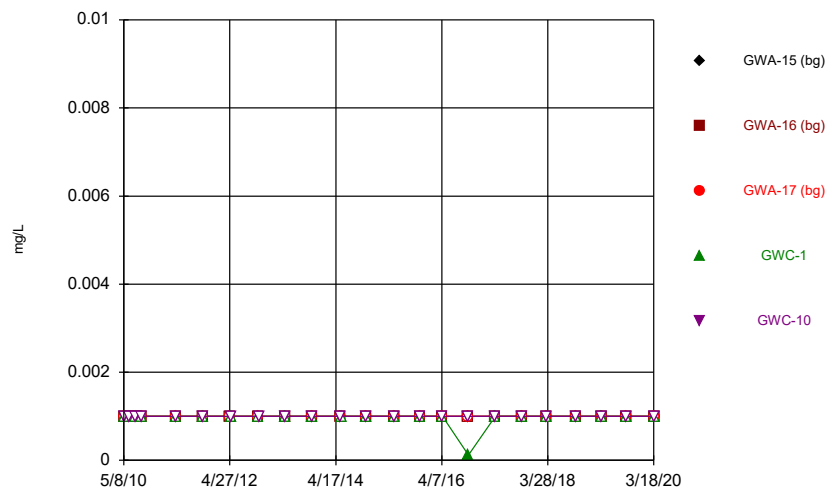
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



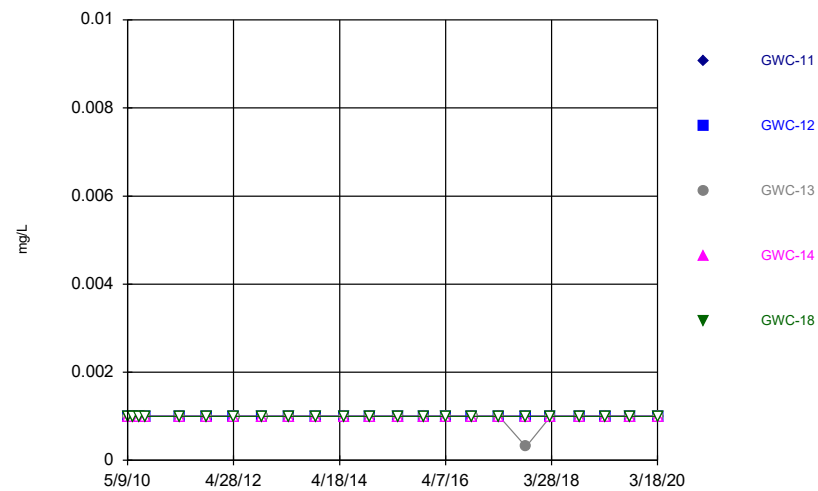
Constituent: Seleniu, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



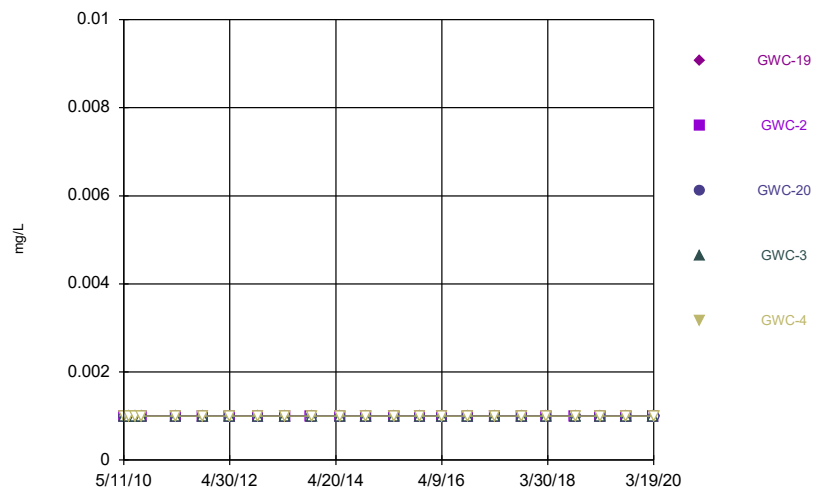
Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



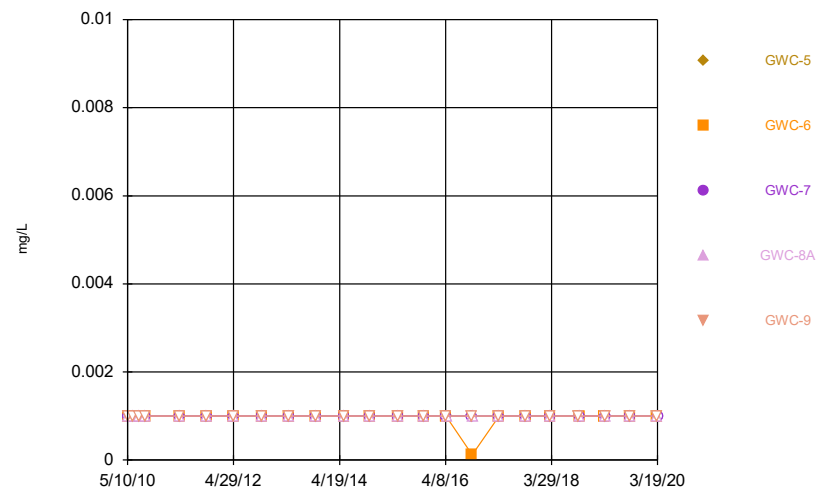
Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

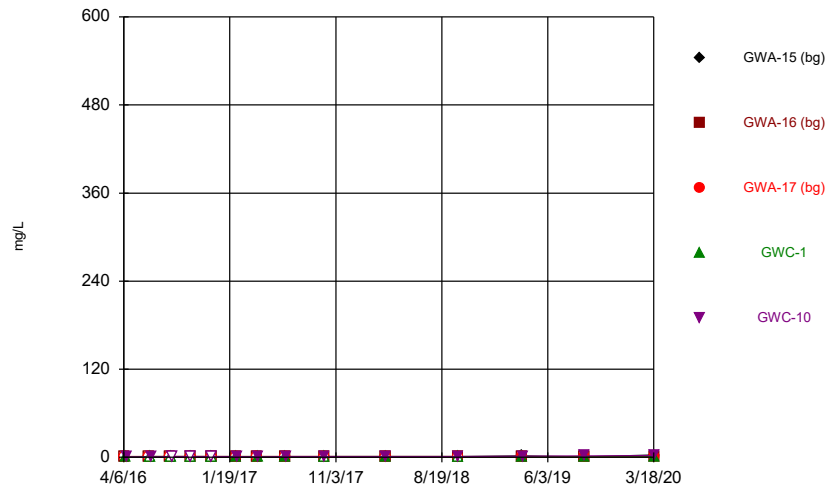
### Time Series



Constituent: Silver Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

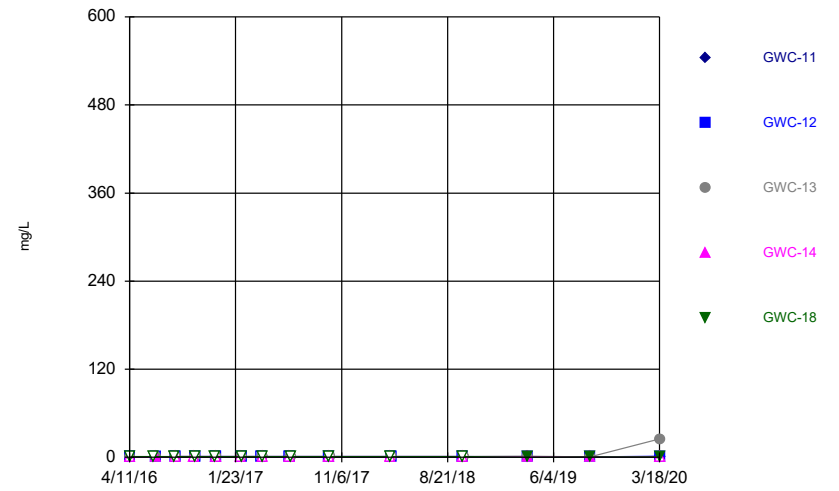


### Time Series



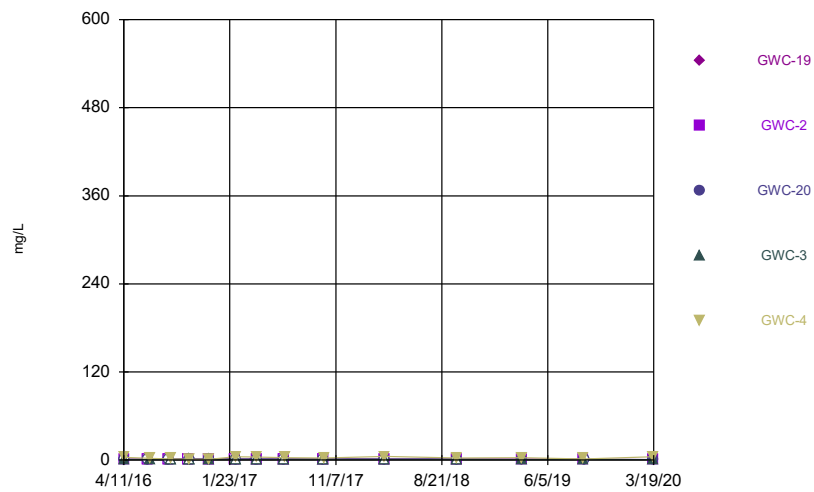
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



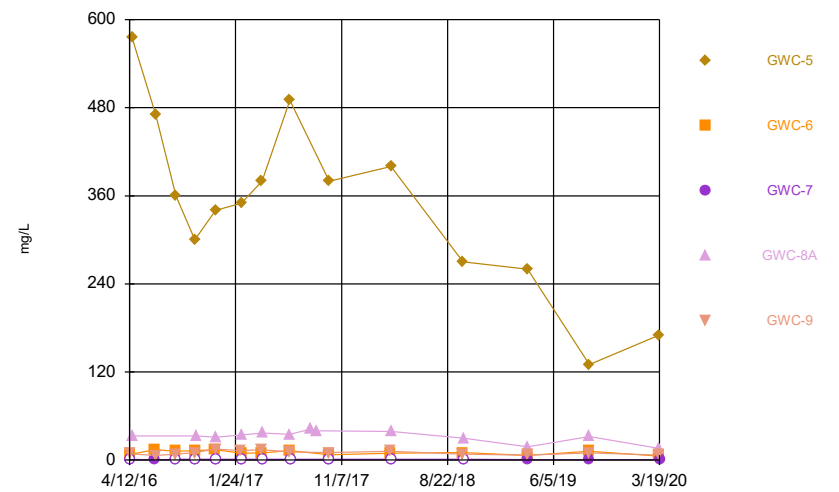
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



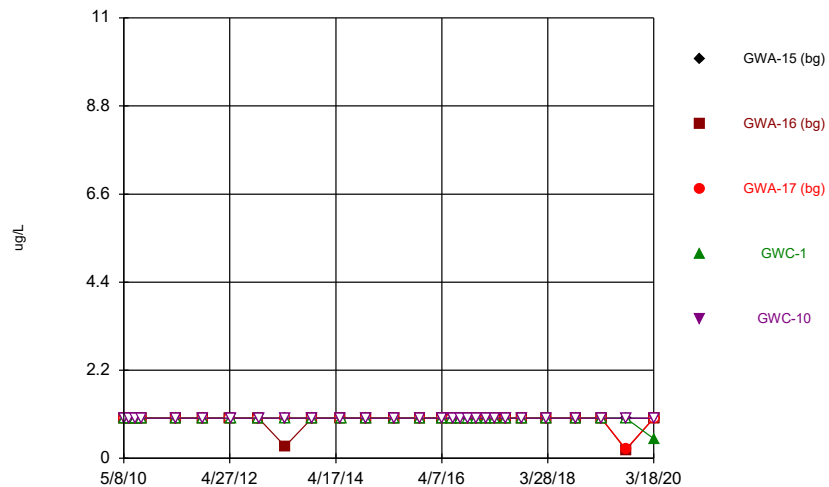
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



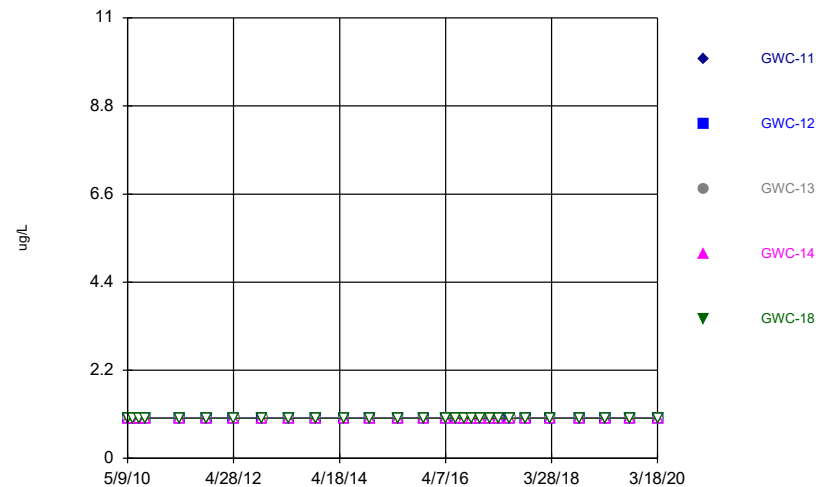
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



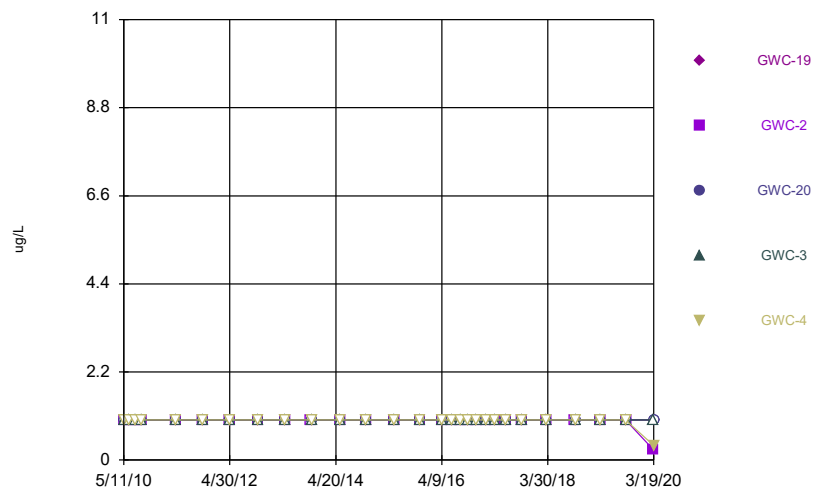
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



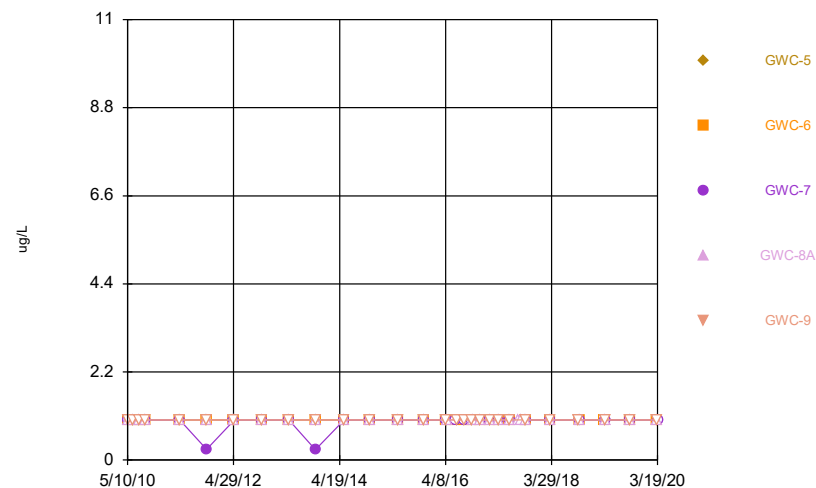
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



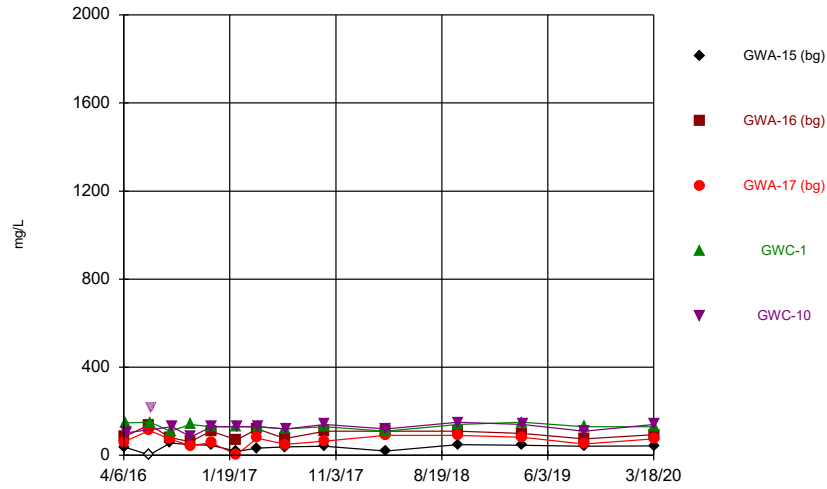
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



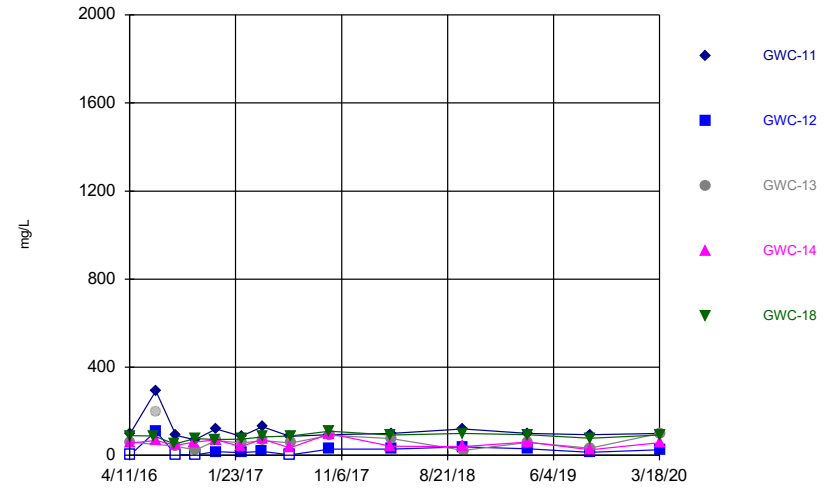
Constituent: Thallium, Total Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



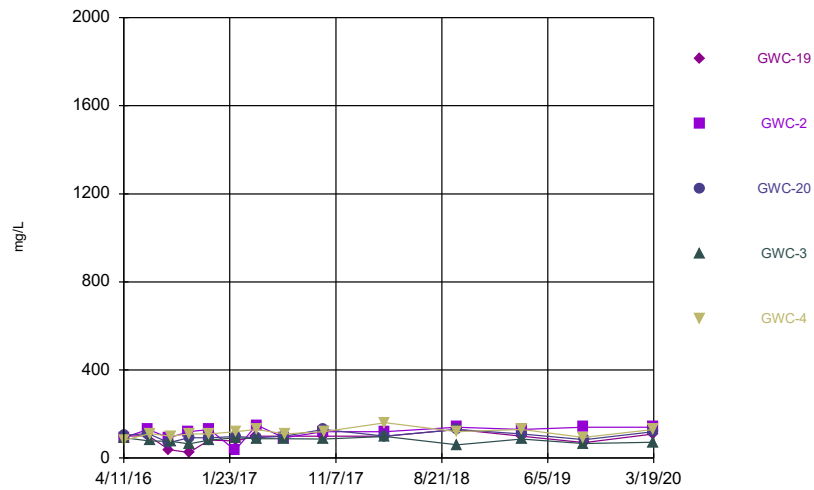
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



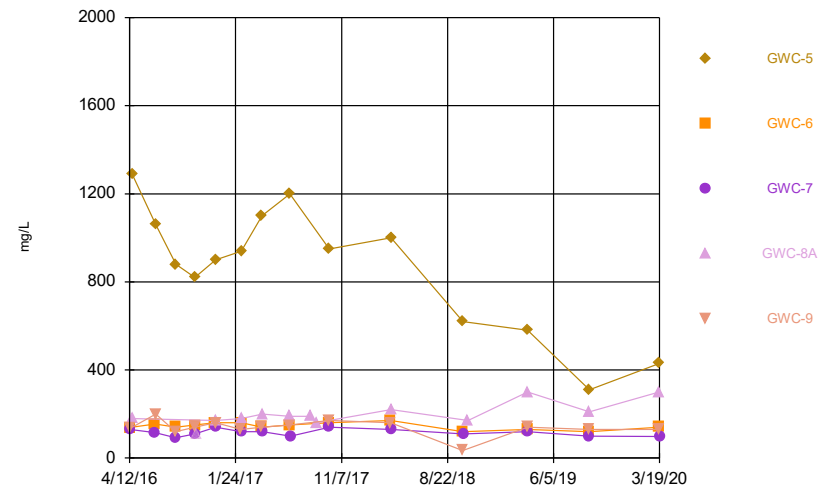
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



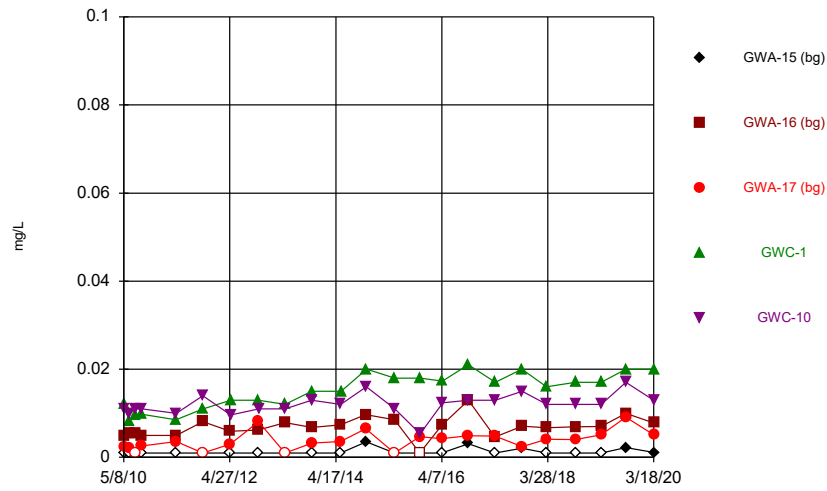
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



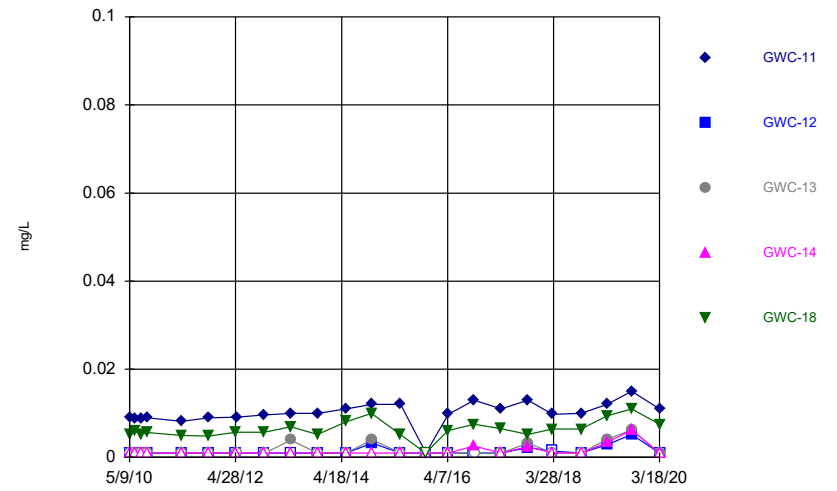
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



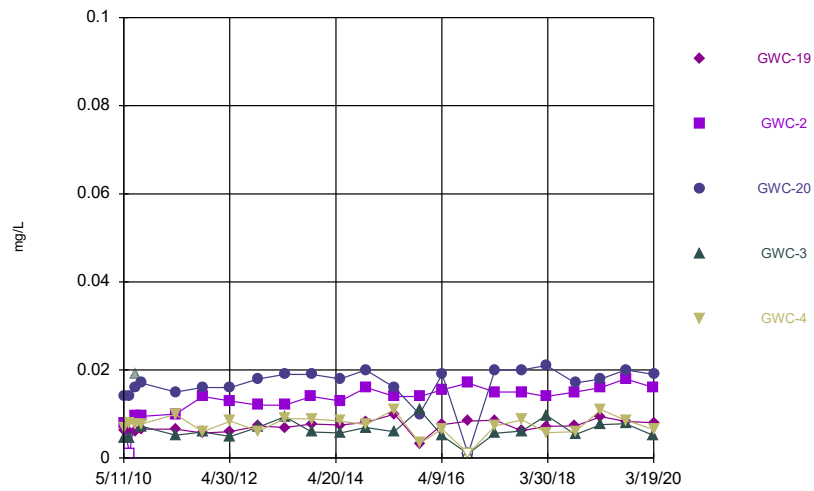
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



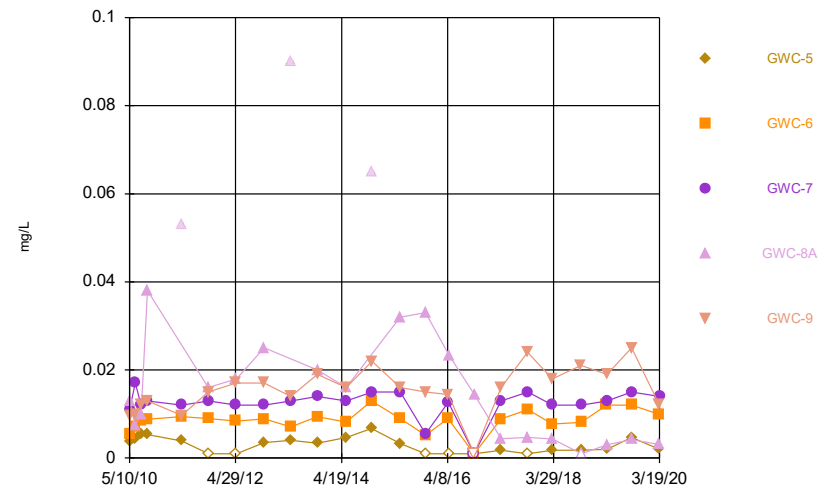
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



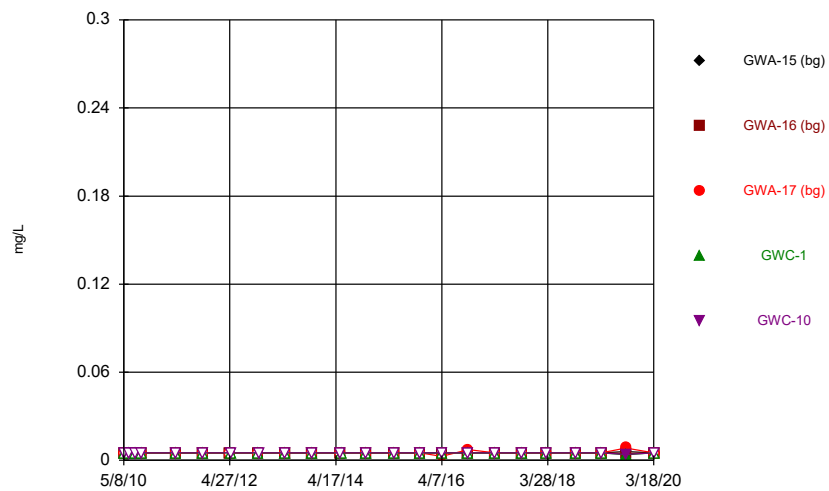
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



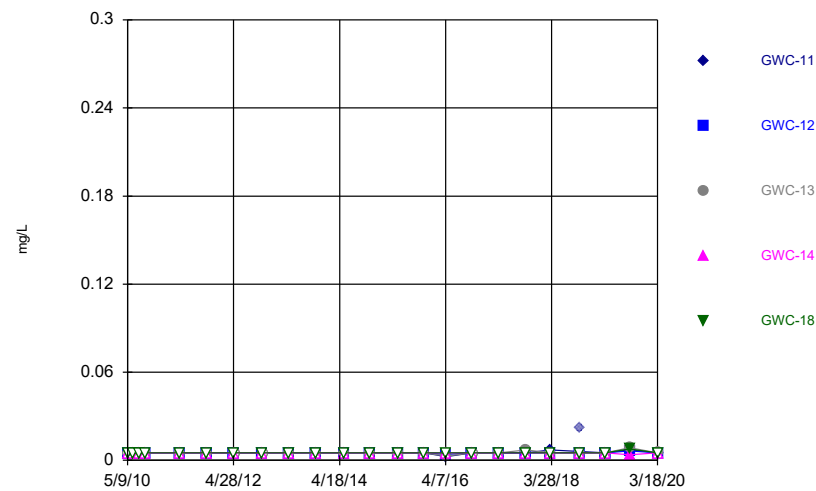
Constituent: Vanadium Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



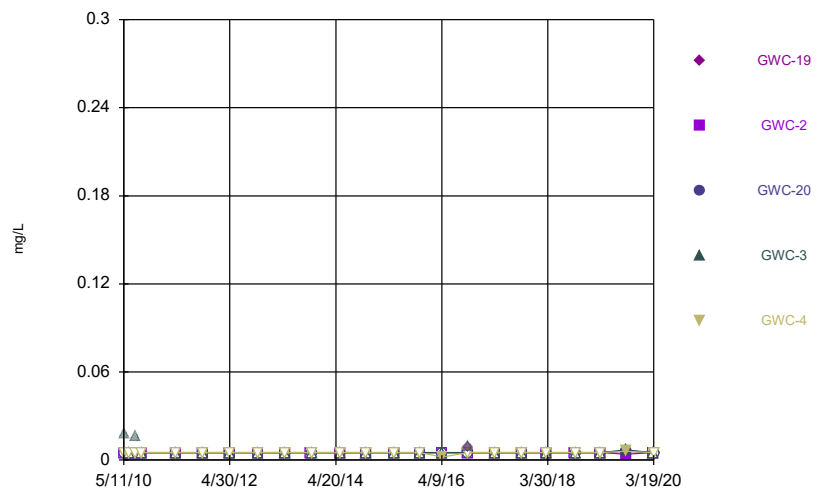
Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Time Series



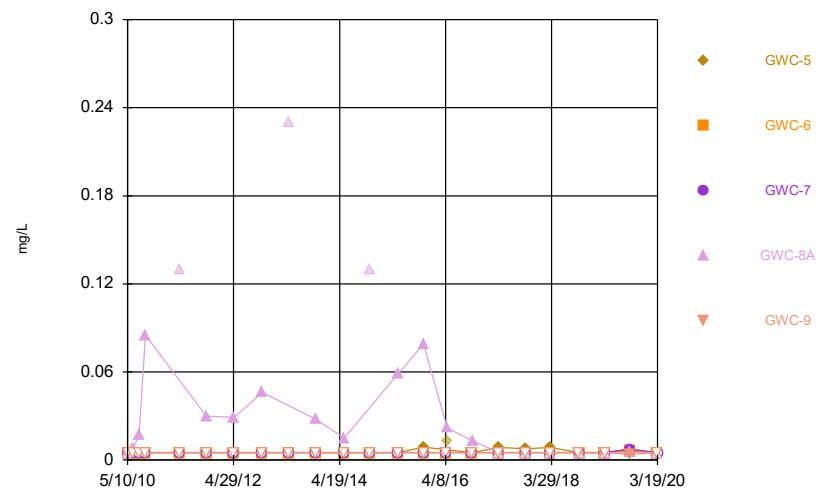
Constituent: Zinc Analysis Run 6/19/2020 9:12 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### 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

	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

	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

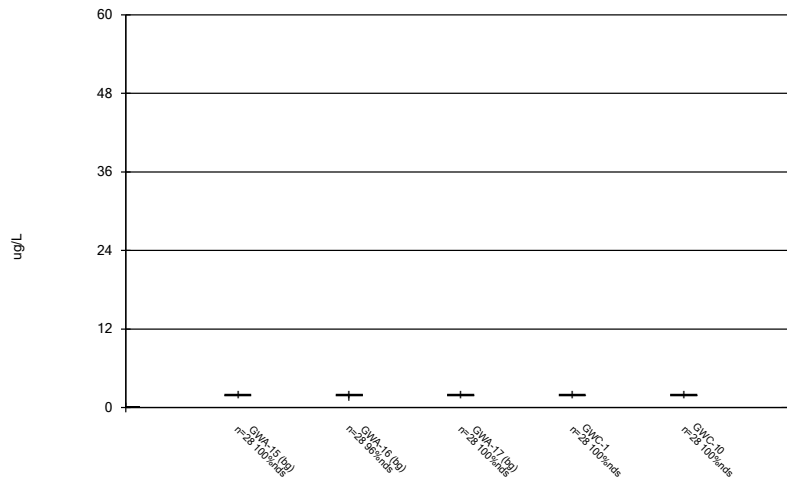
Constituent: Zinc (mg/L) Analysis Run 6/19/2020 9:13 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	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.

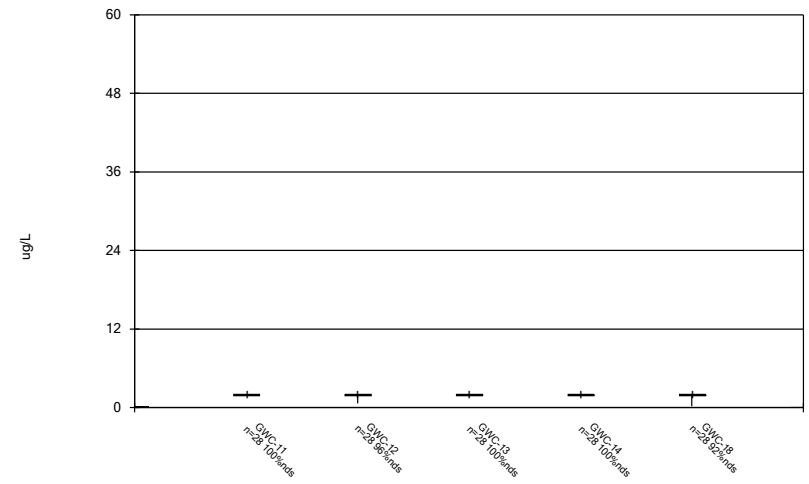


### Box & Whiskers Plot



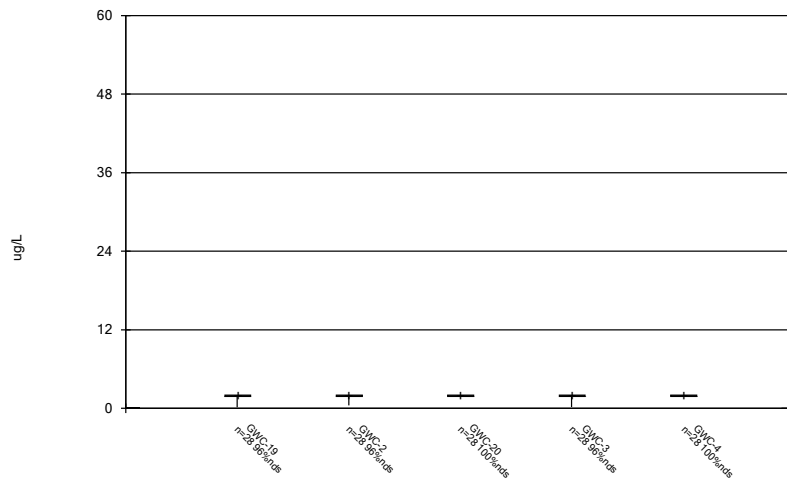
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



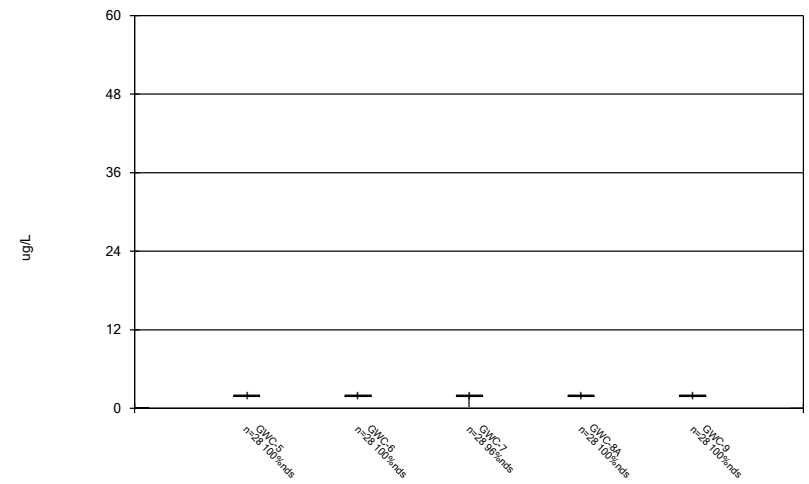
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



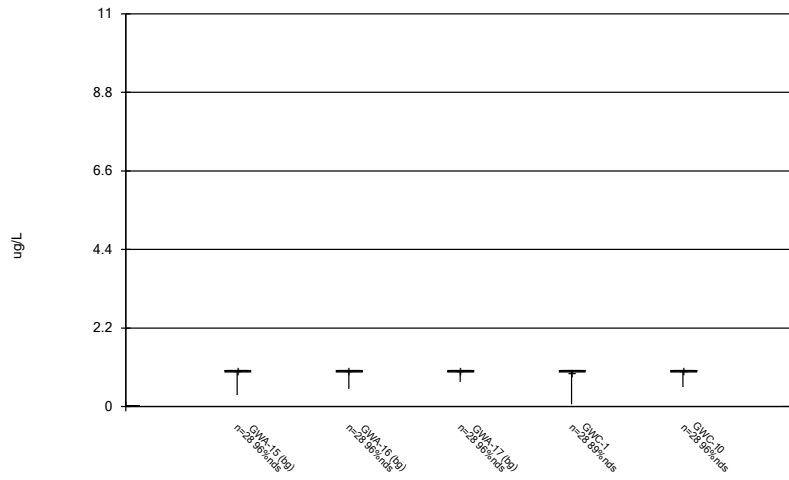
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



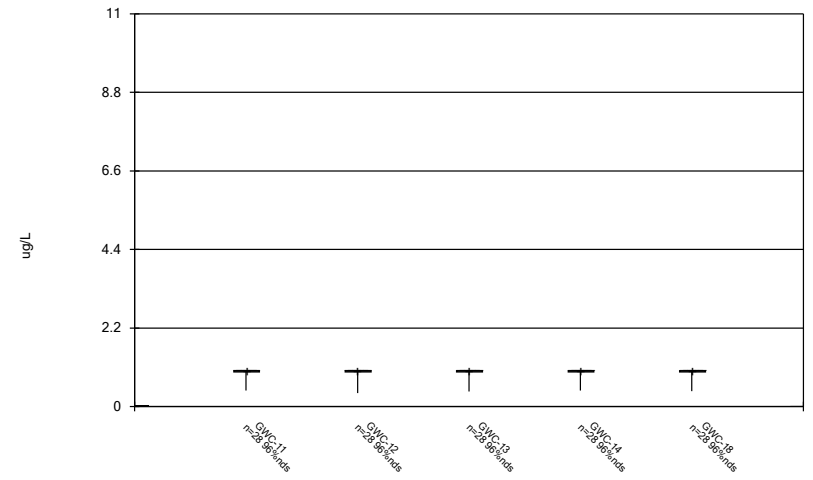
Constituent: Antimony, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



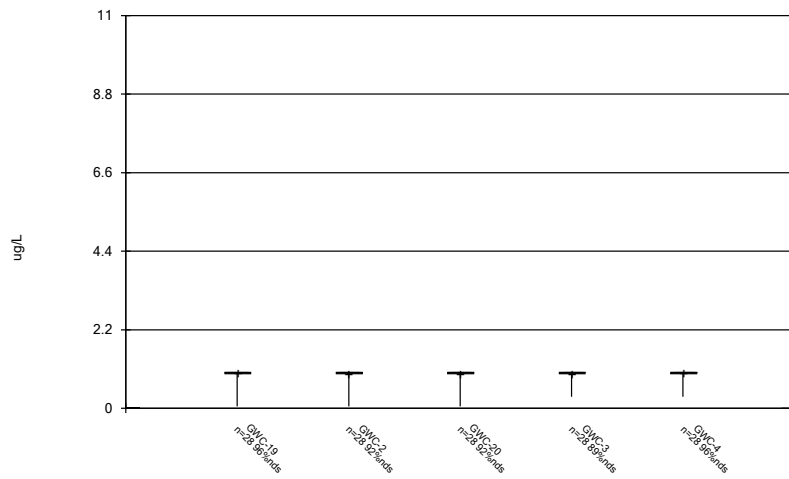
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



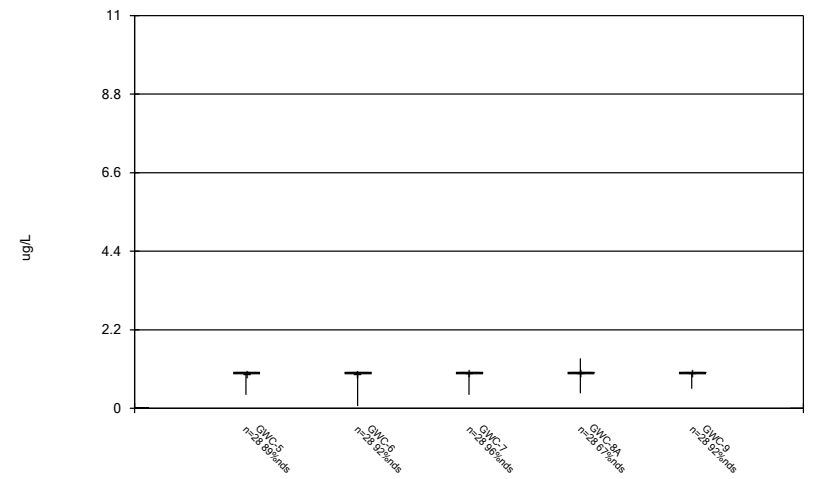
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



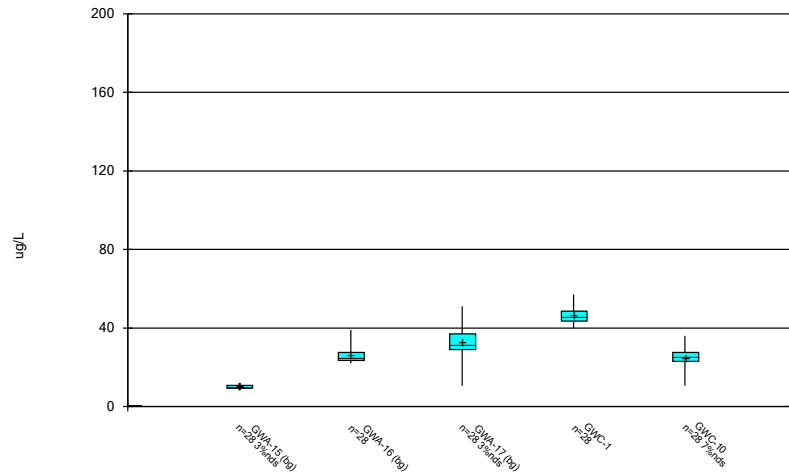
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



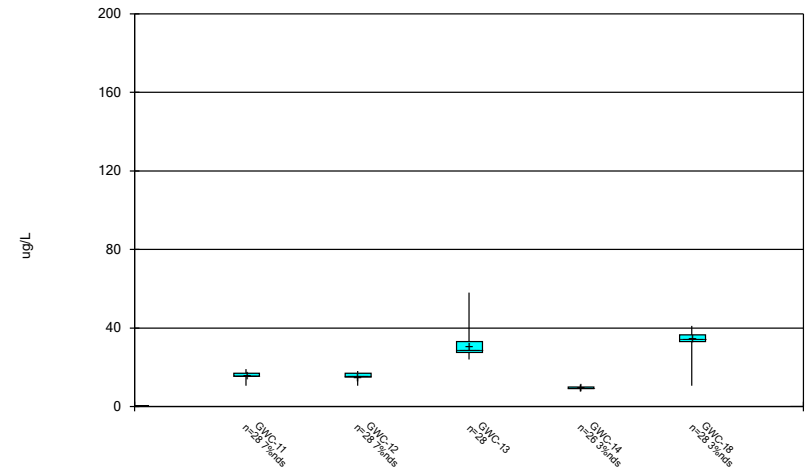
Constituent: Arsenic, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



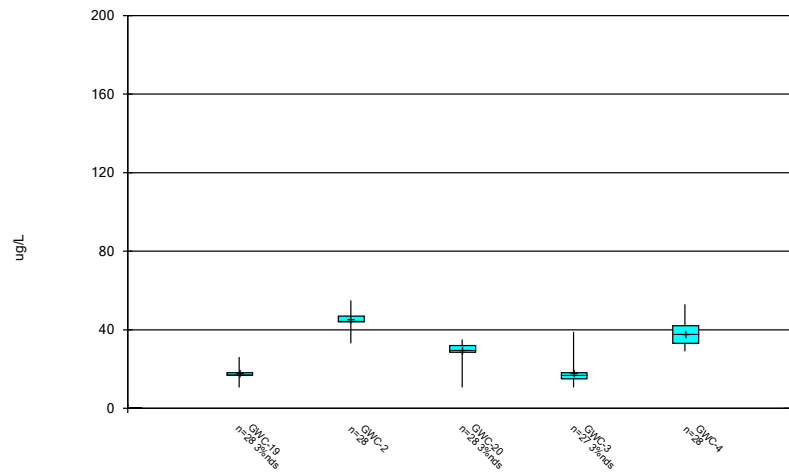
Constituent: Barium, Total Analysis Run 6/19/2020 9:14 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



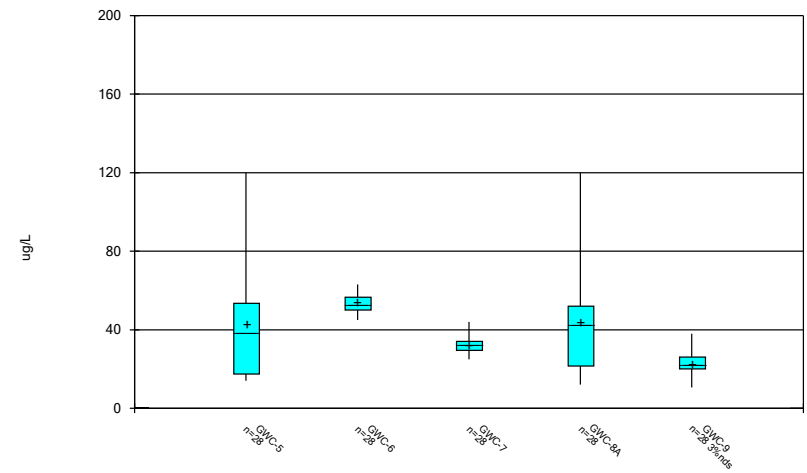
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



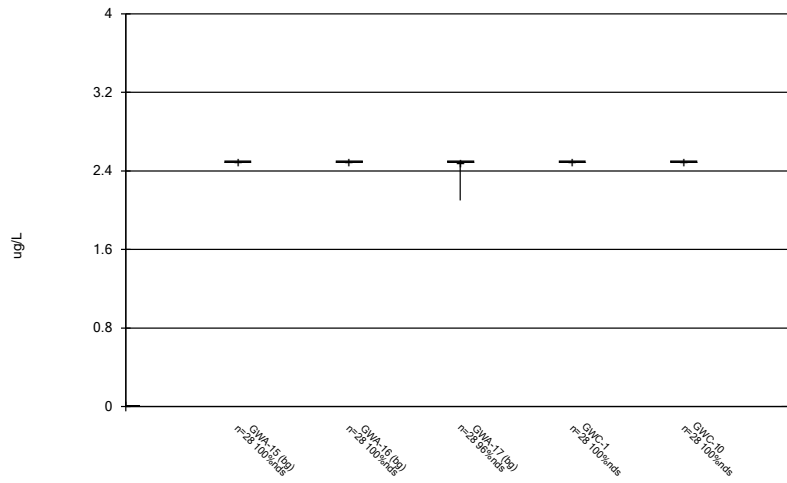
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



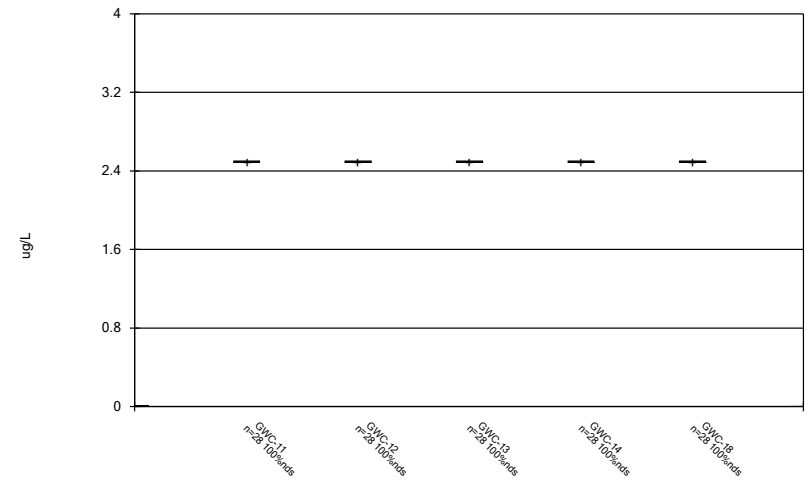
Constituent: Barium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



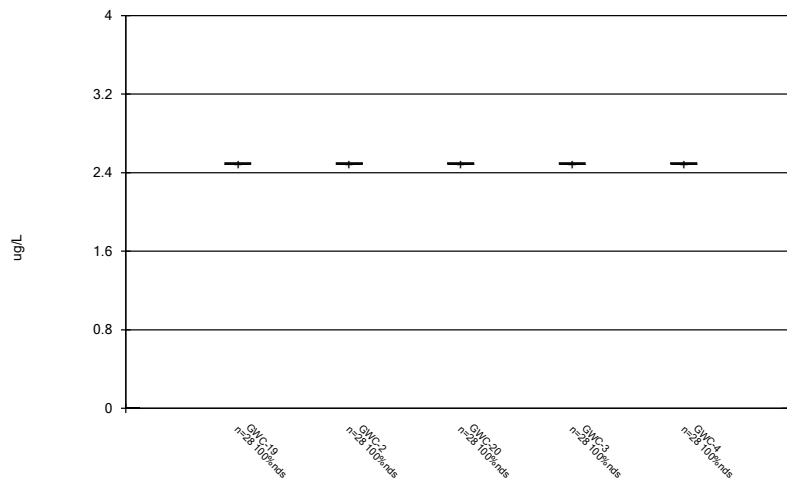
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



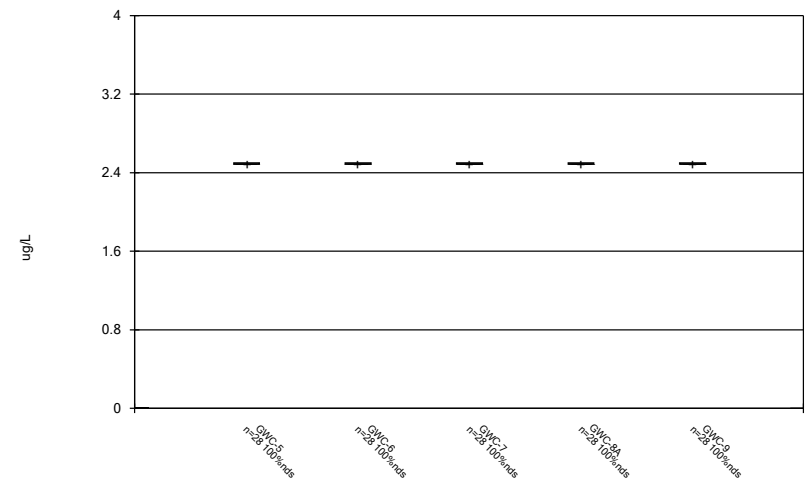
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



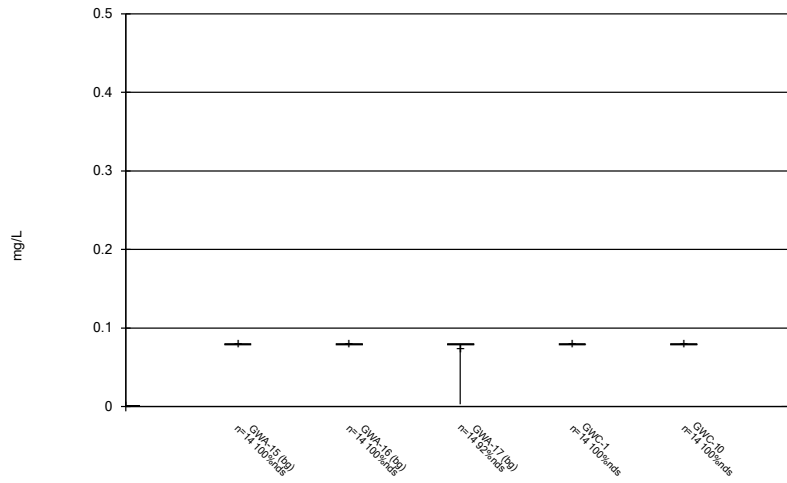
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



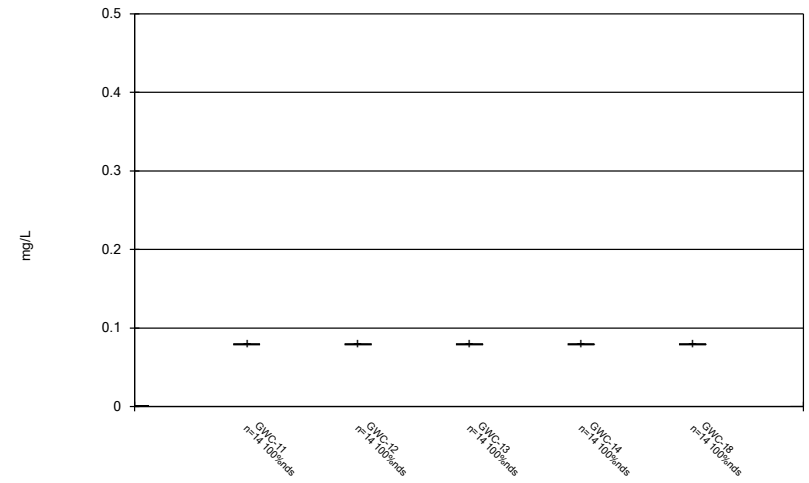
Constituent: Beryllium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



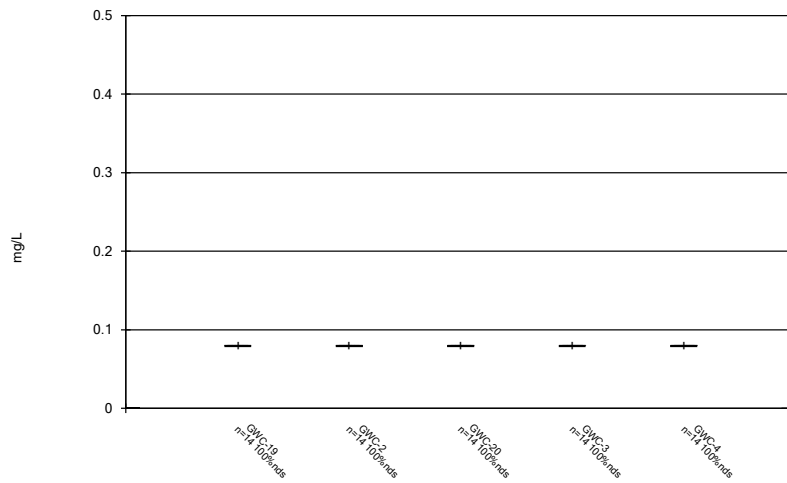
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



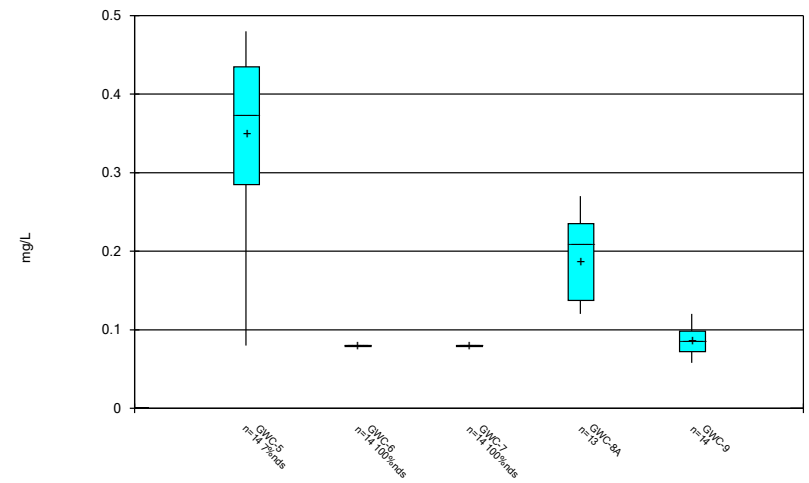
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



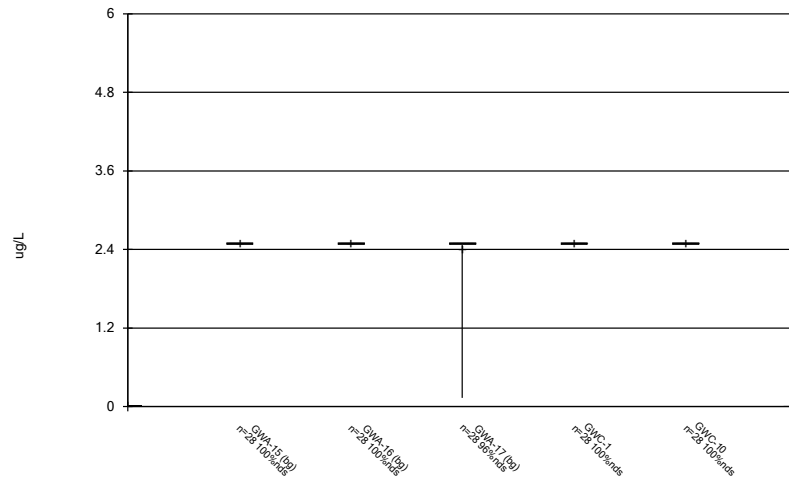
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



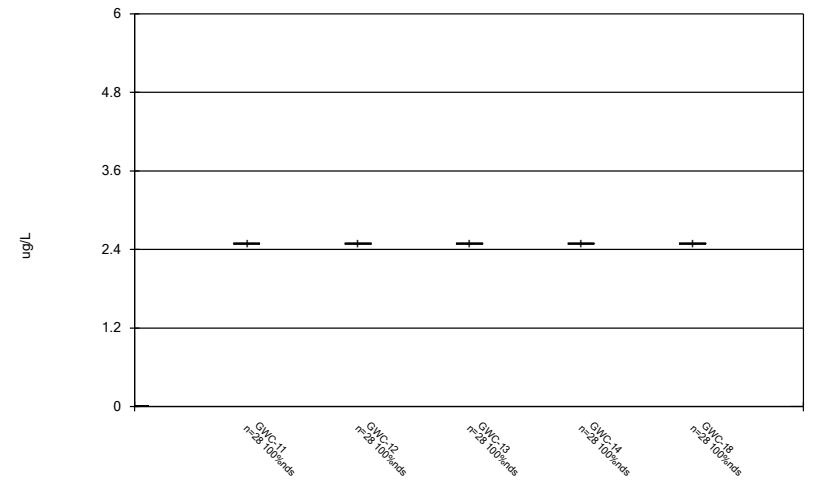
Constituent: Boron, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



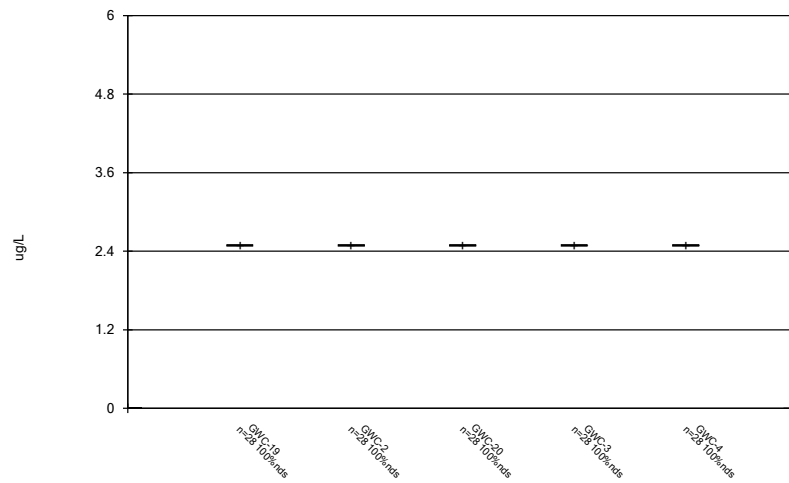
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



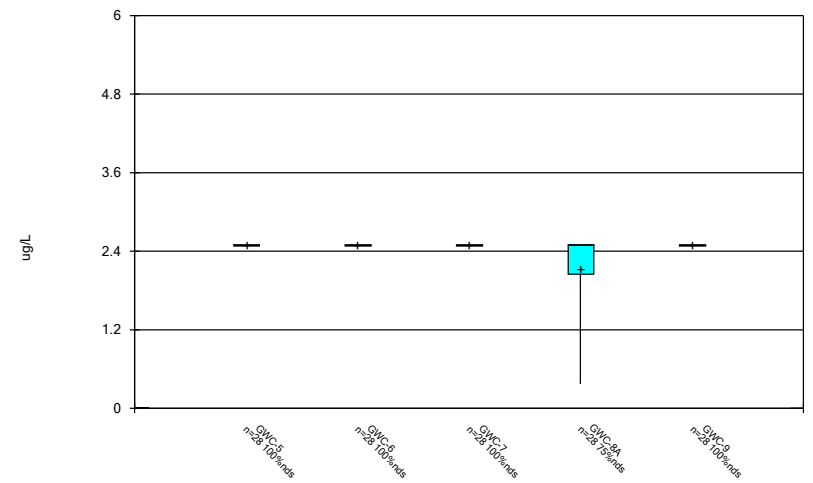
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



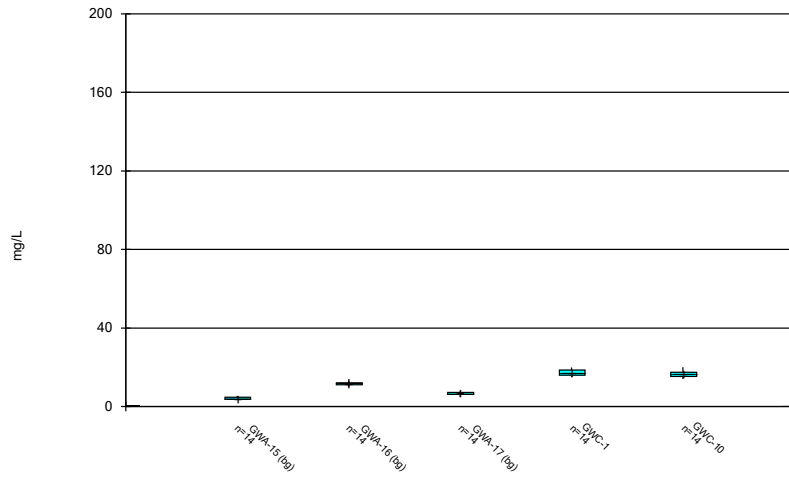
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



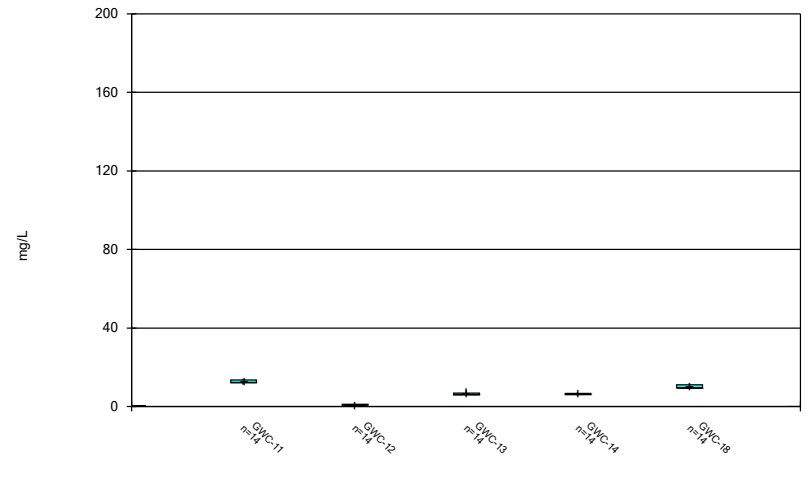
Constituent: Cadmium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



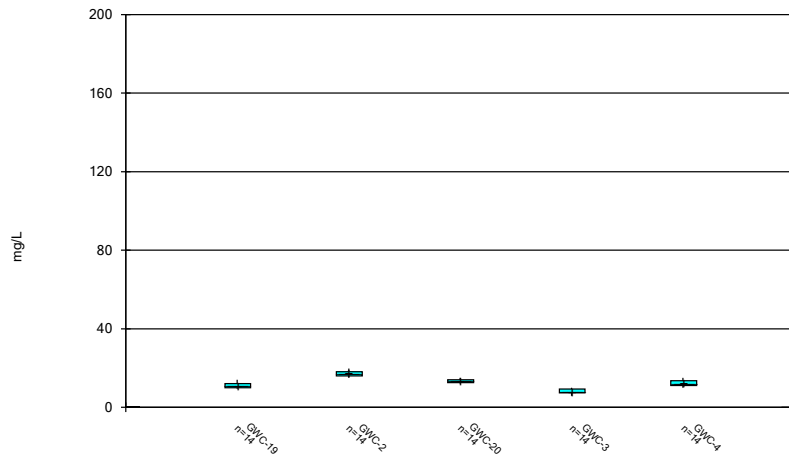
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



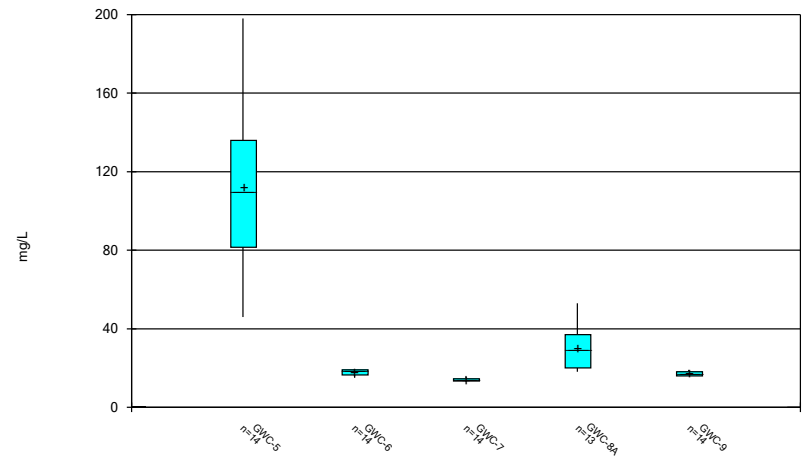
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



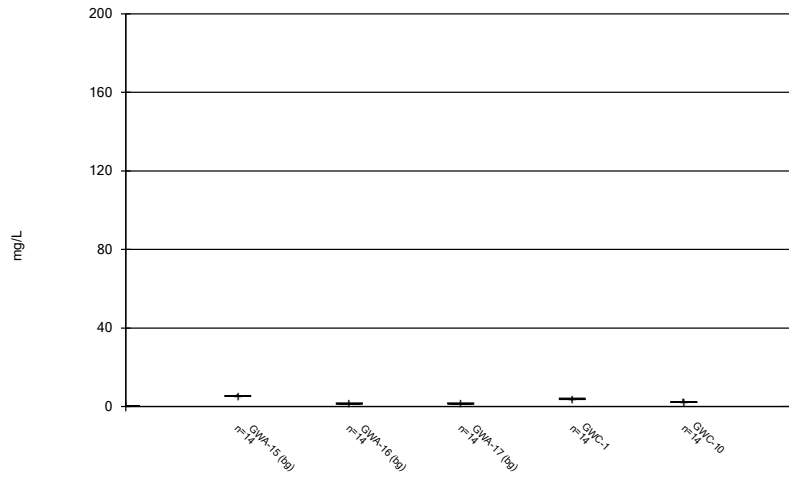
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



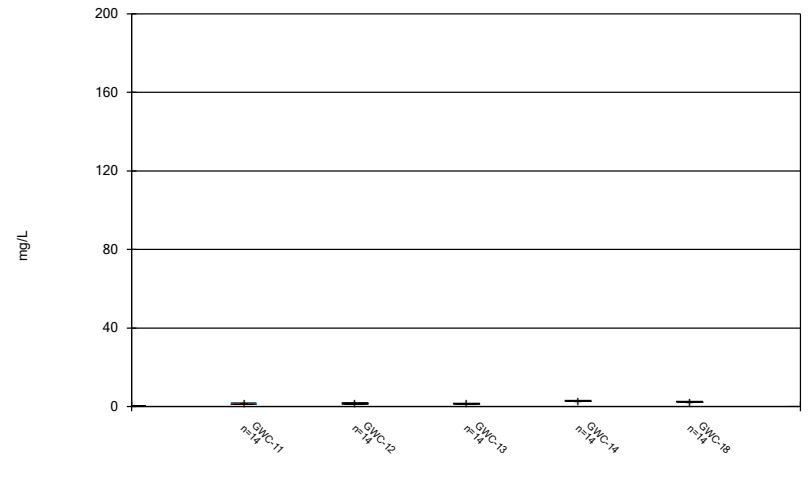
Constituent: Calcium, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



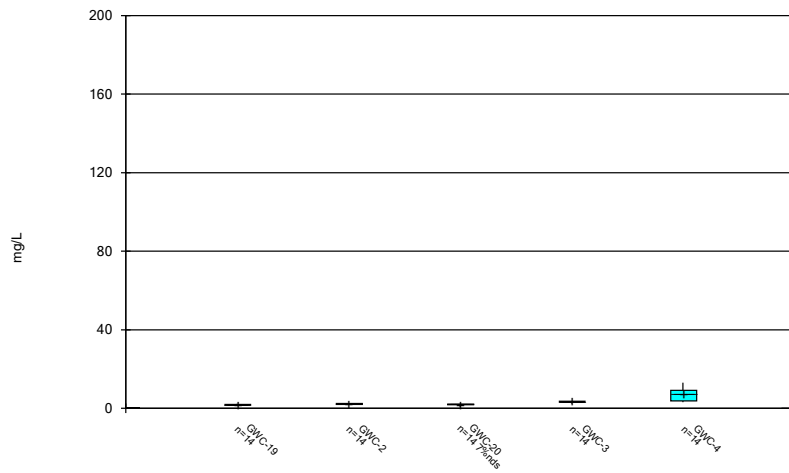
Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



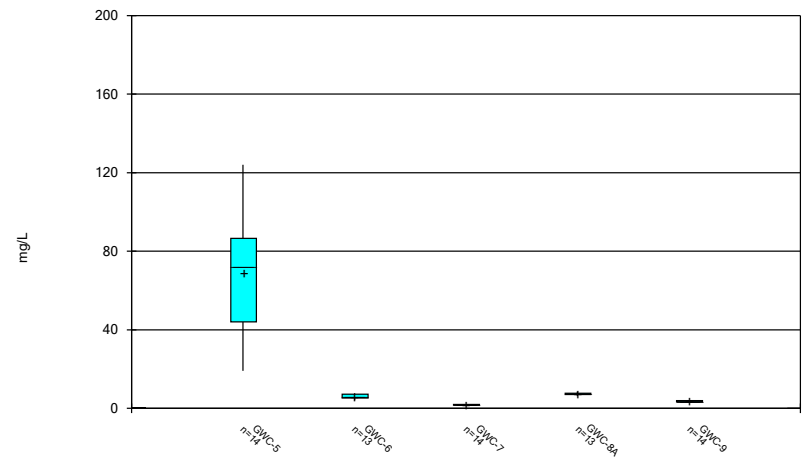
Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

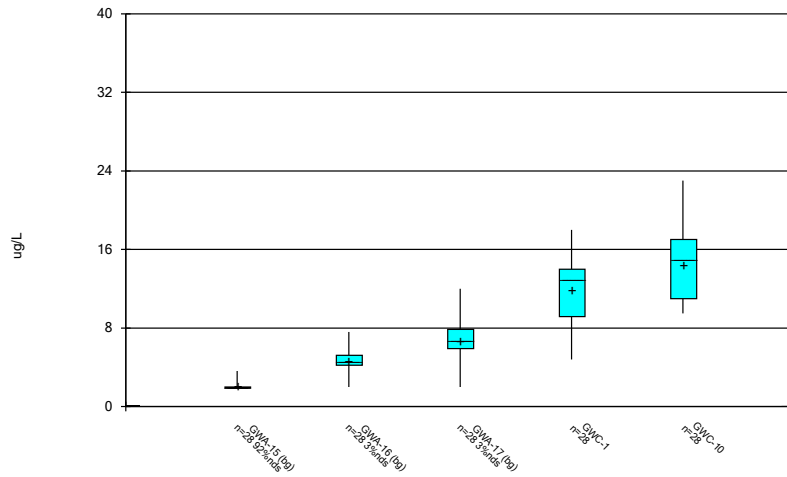
### Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

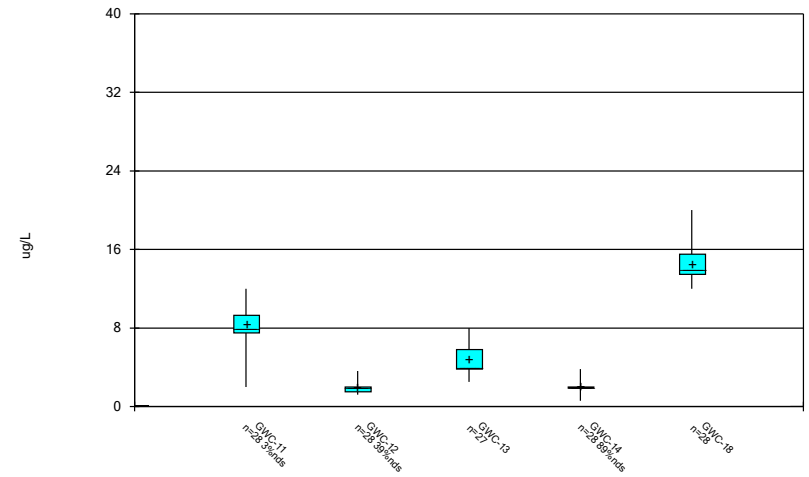


### Box & Whiskers Plot



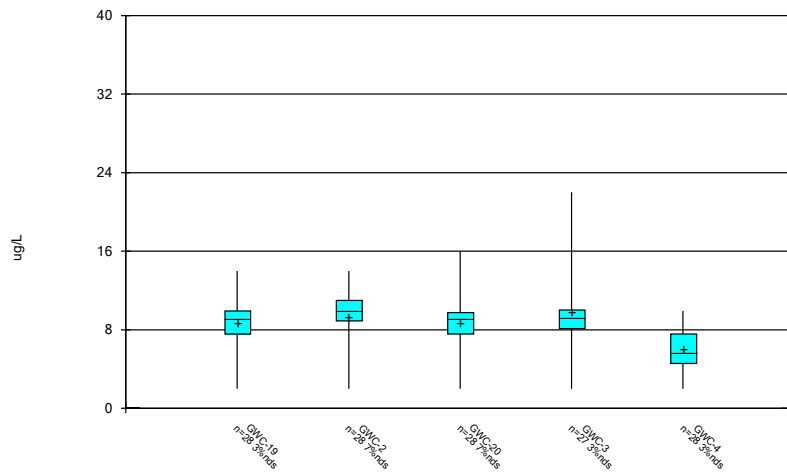
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



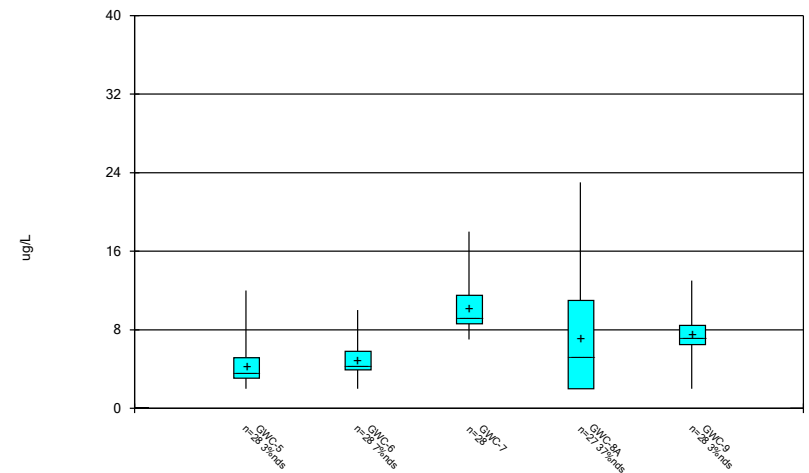
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



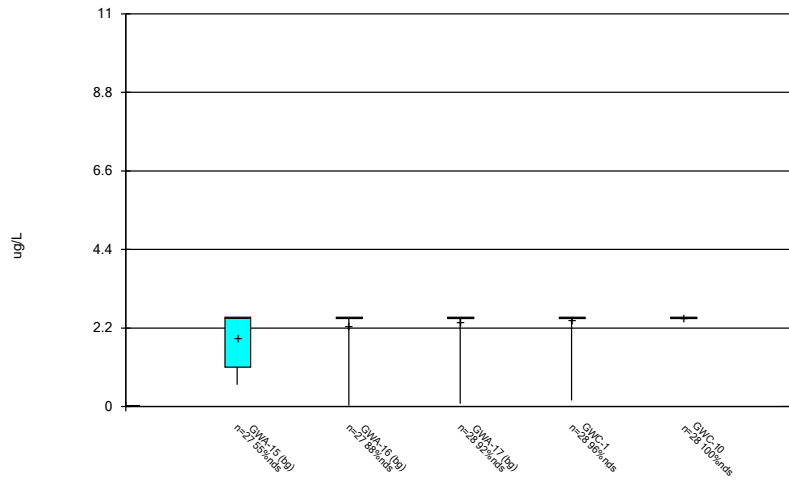
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



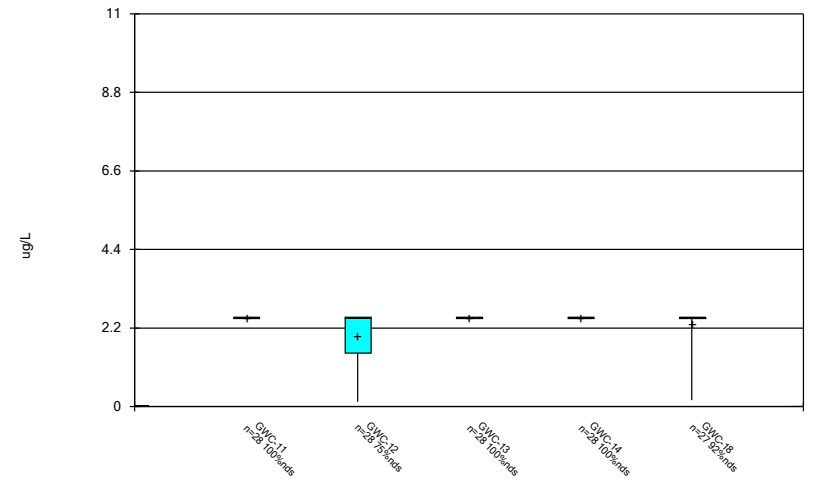
Constituent: Chromium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



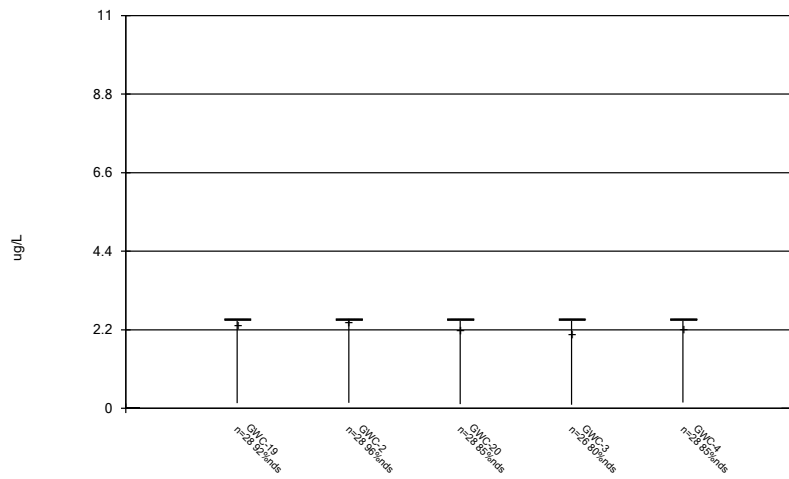
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



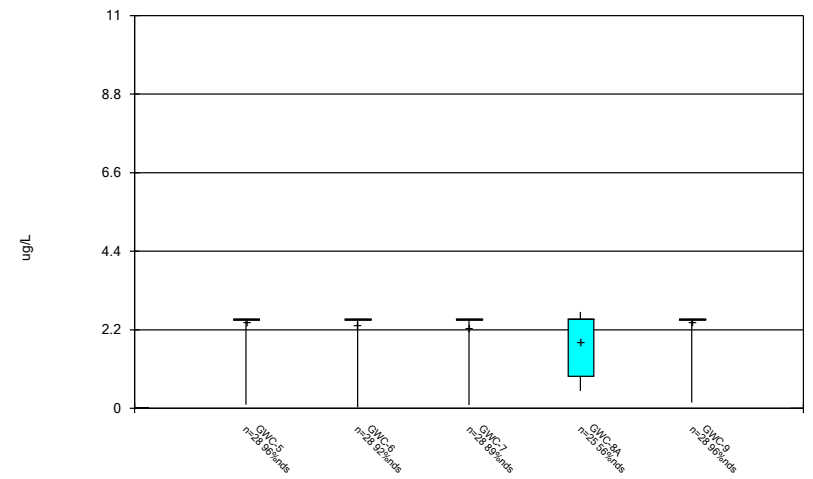
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



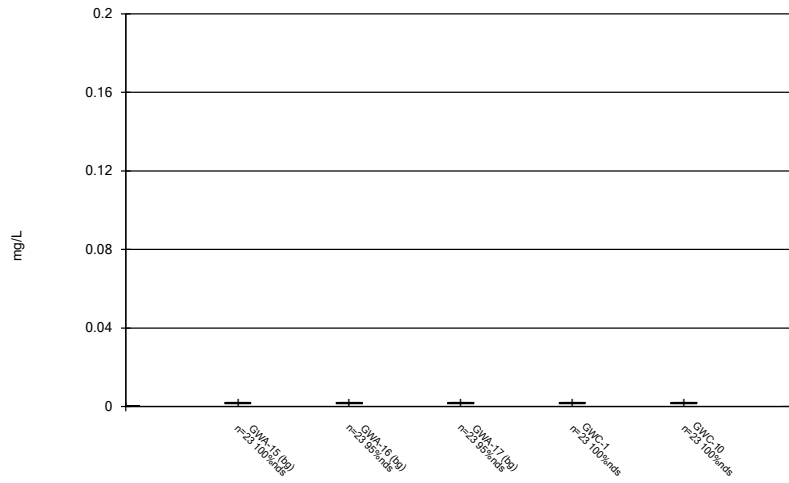
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



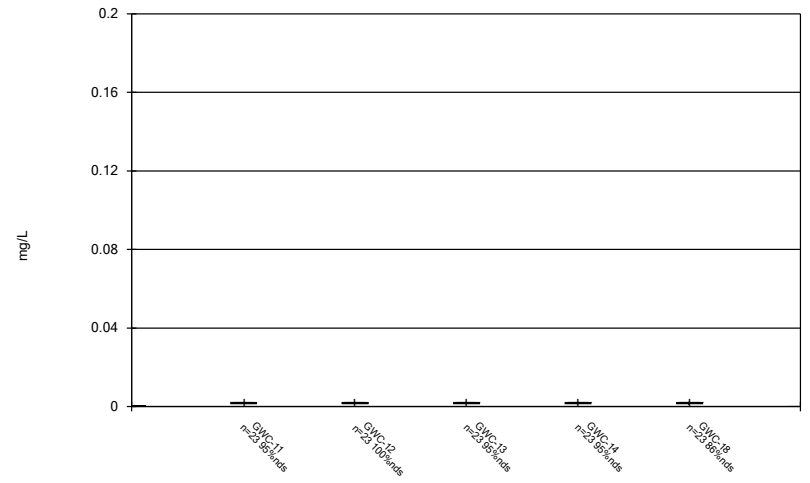
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



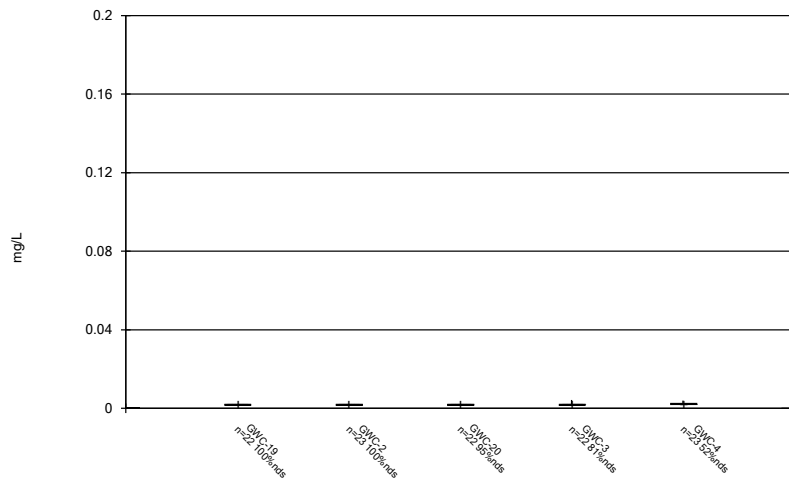
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



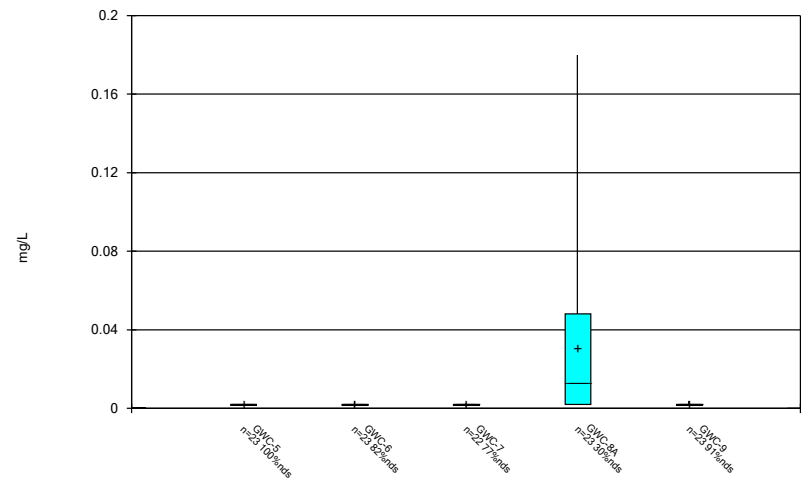
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



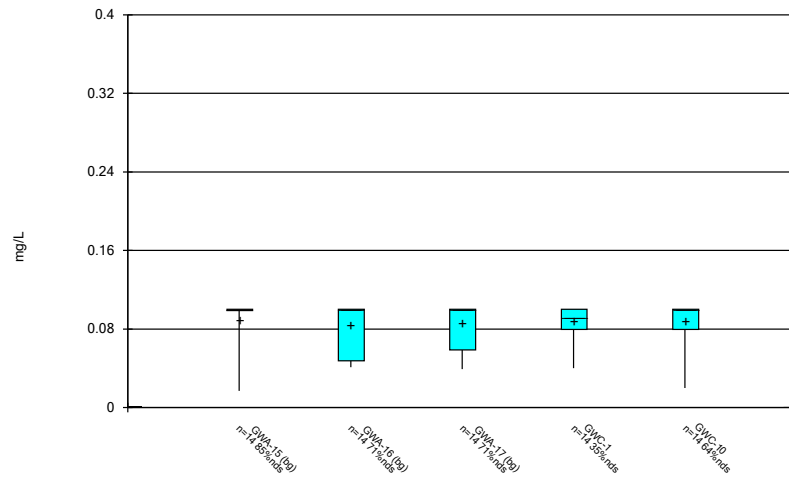
Constituent: Copper Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



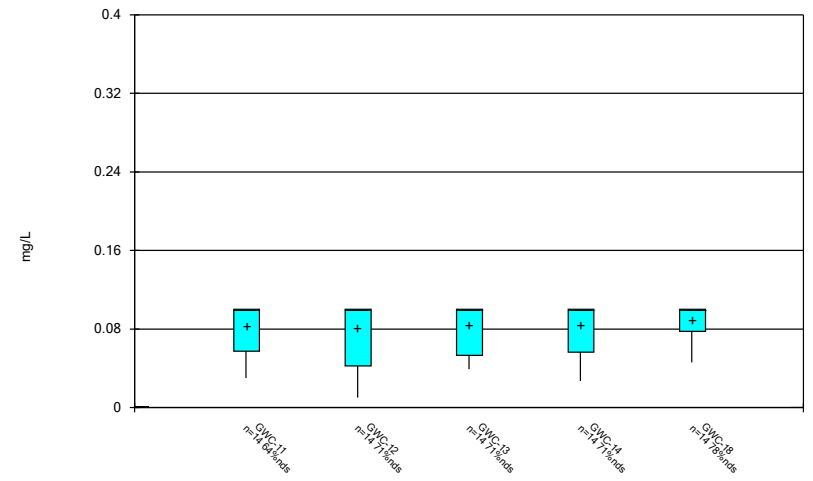
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



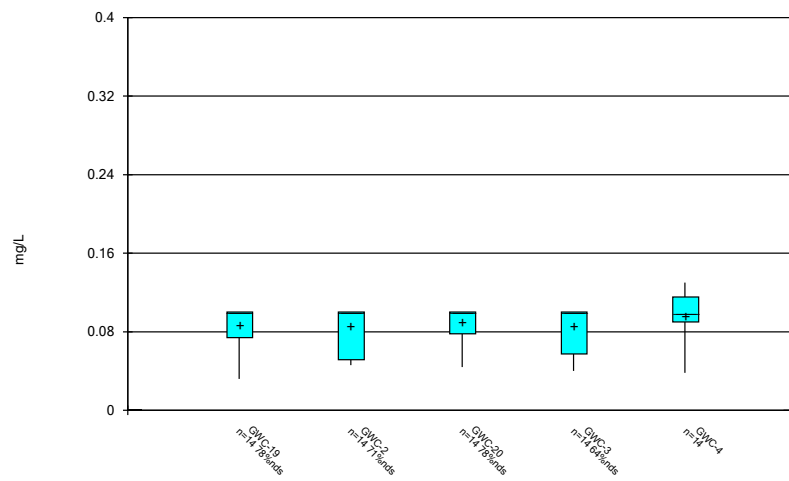
Constituent: Fluoride, total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



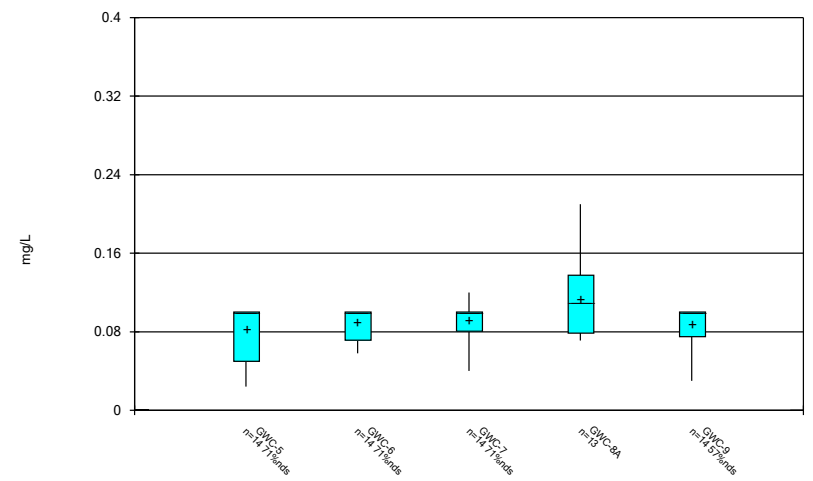
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



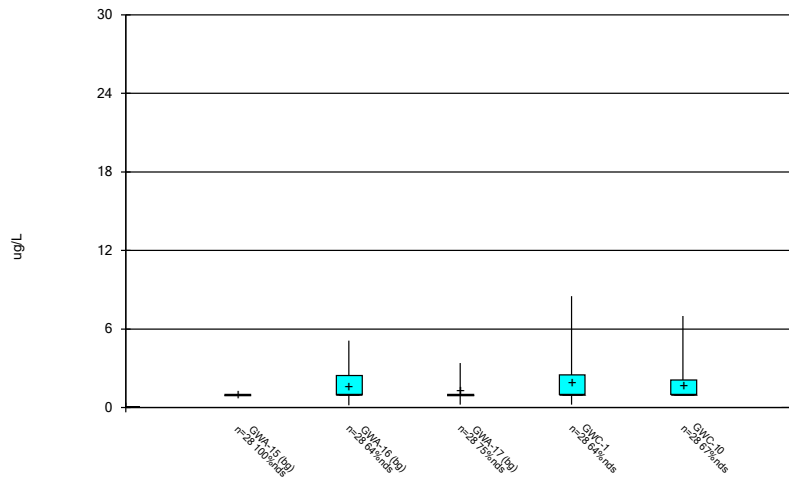
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



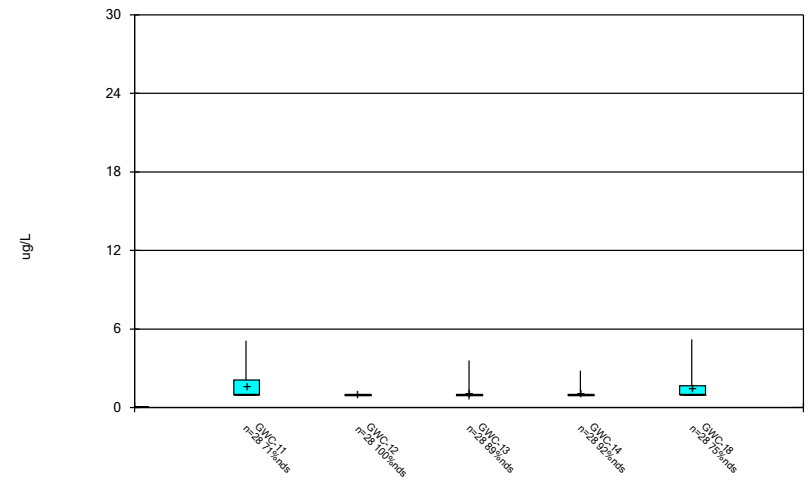
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



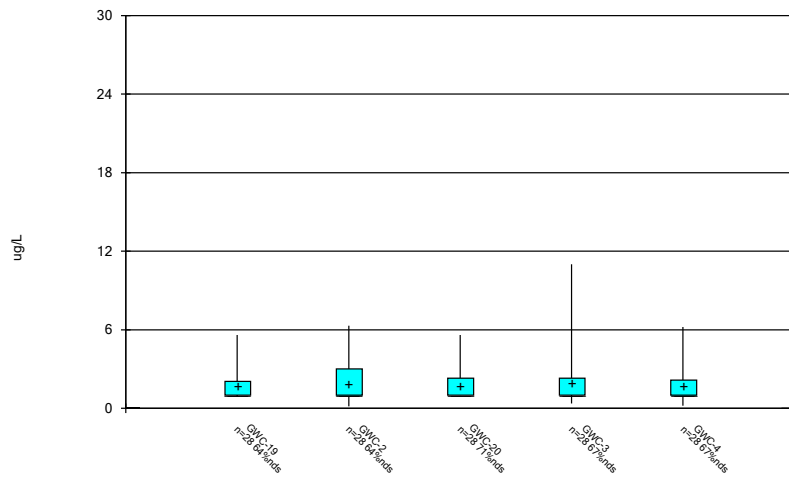
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



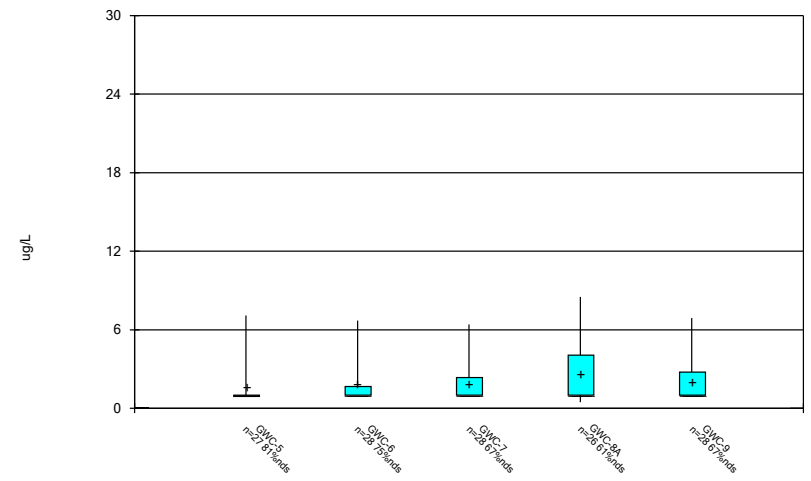
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



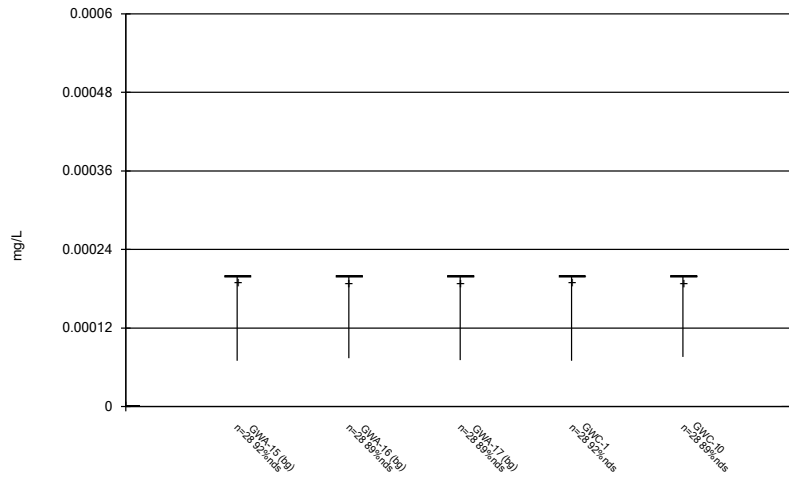
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



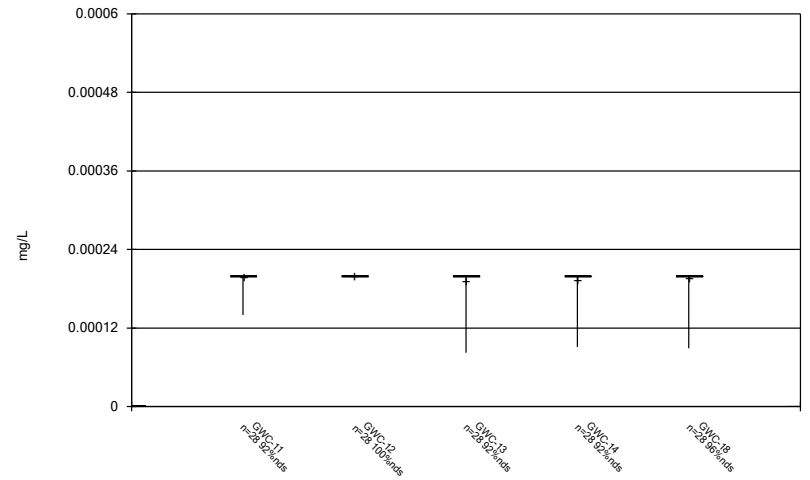
Constituent: Lead, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



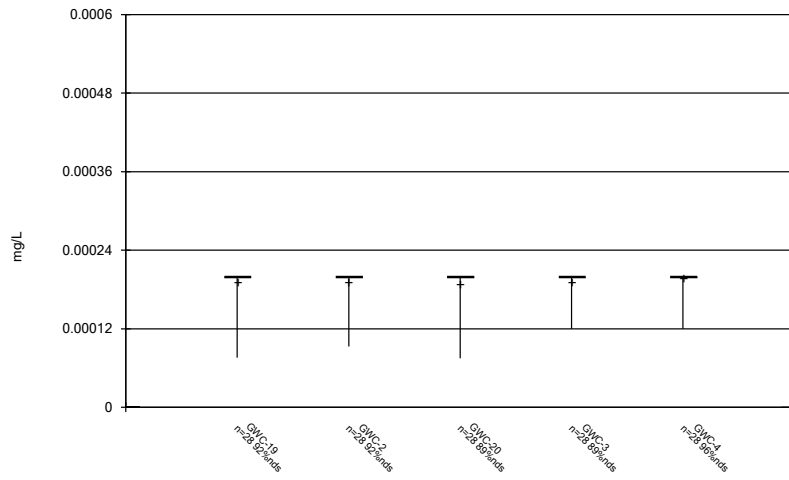
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



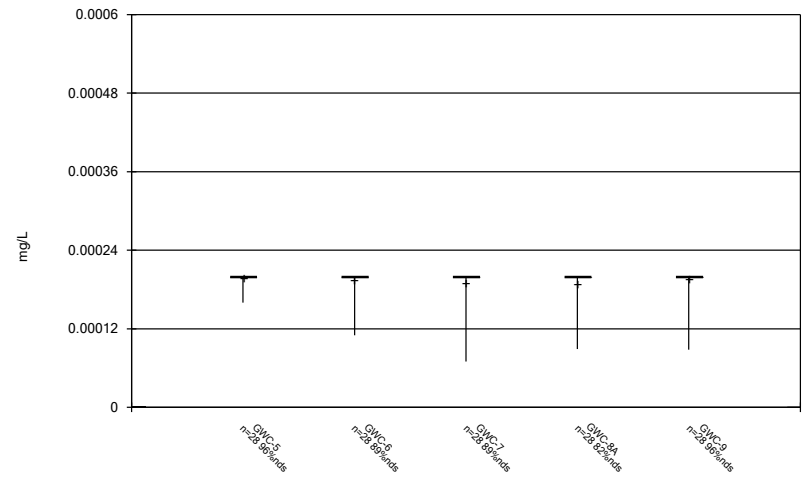
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



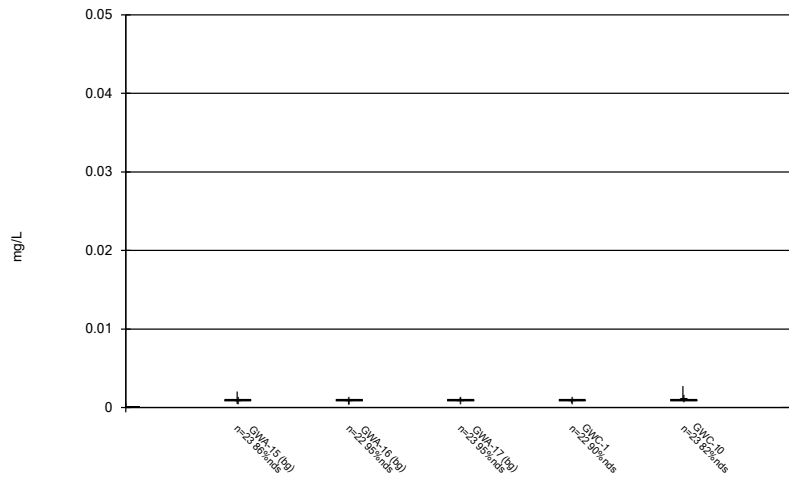
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



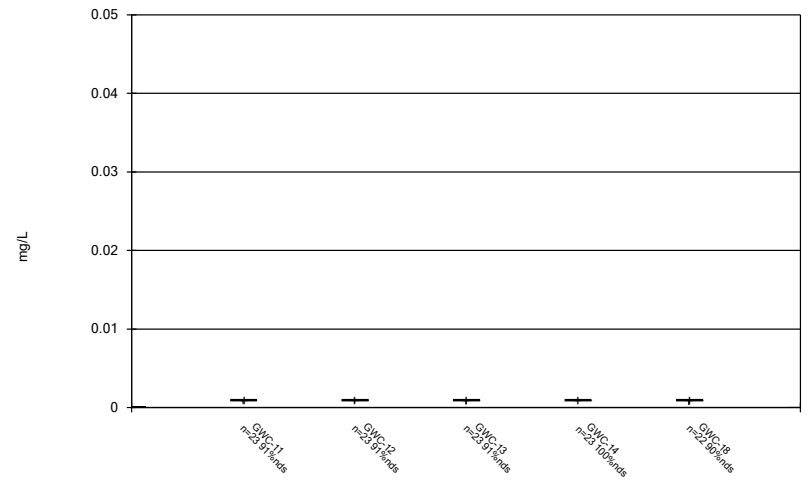
Constituent: Mercury Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



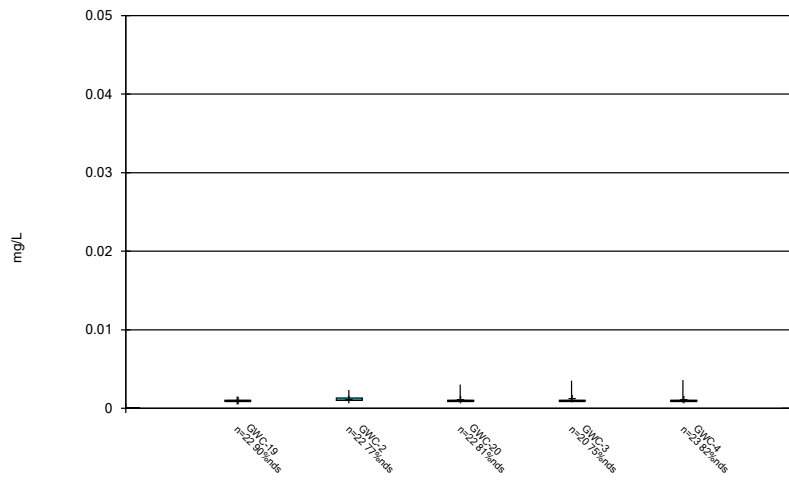
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



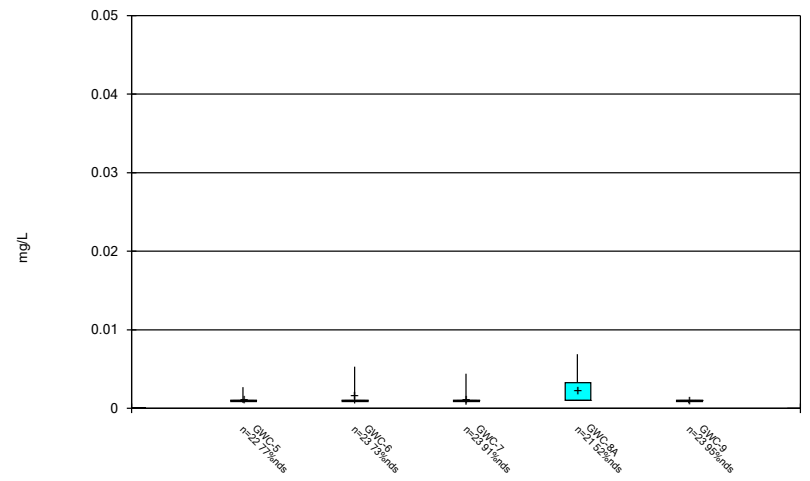
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



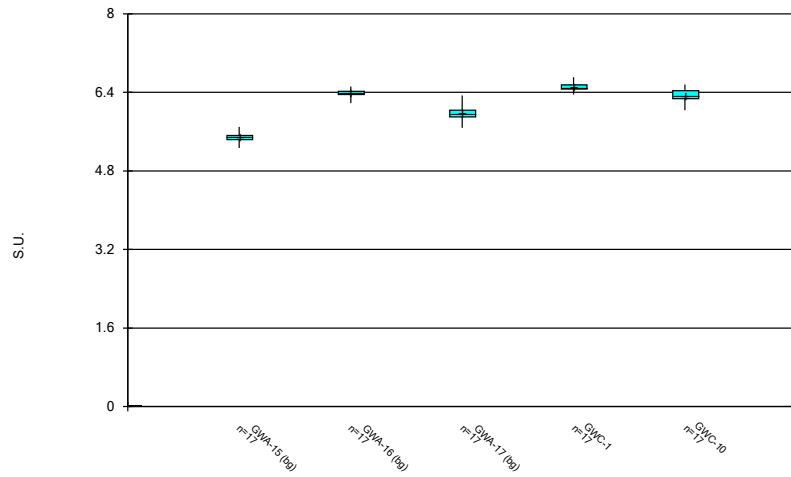
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



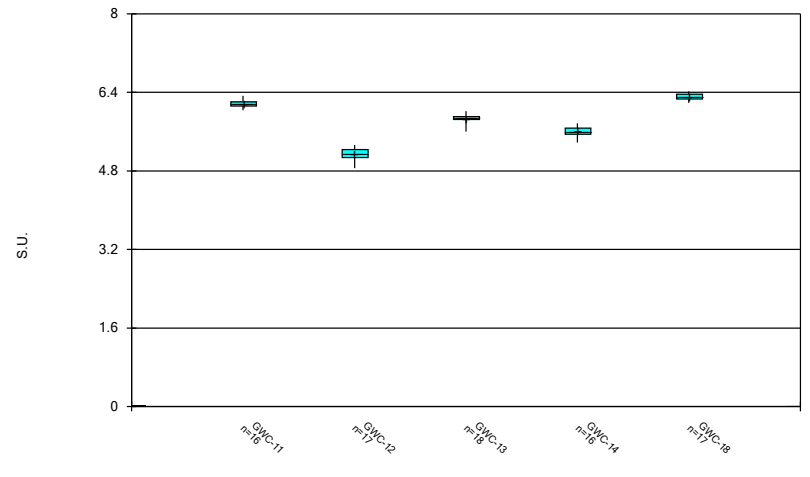
Constituent: Nickel Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



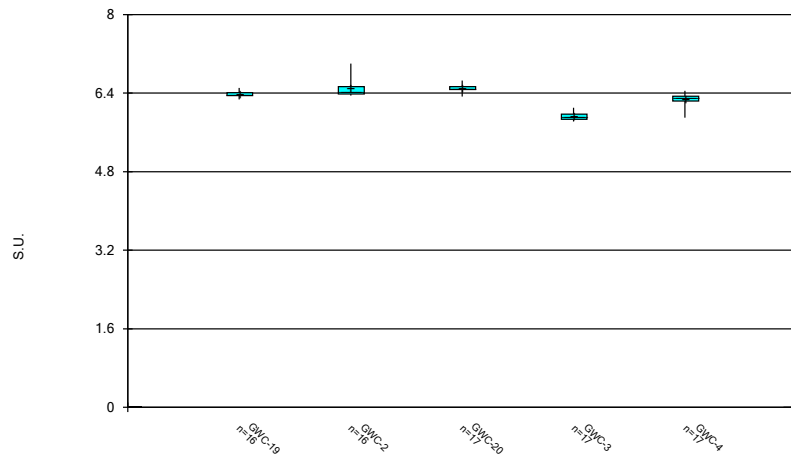
Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



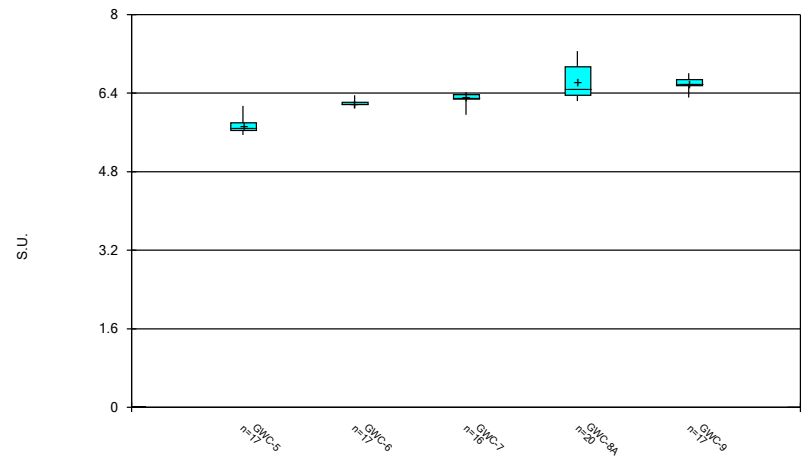
Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

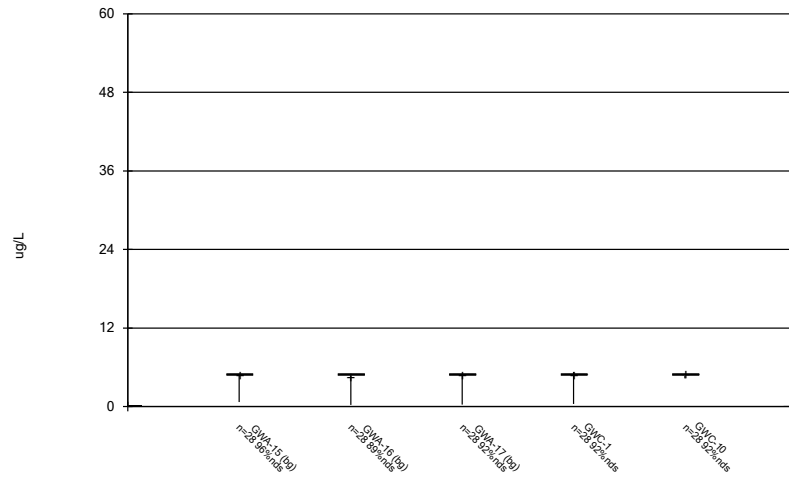
### Box & Whiskers Plot



Constituent: pH, Field Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

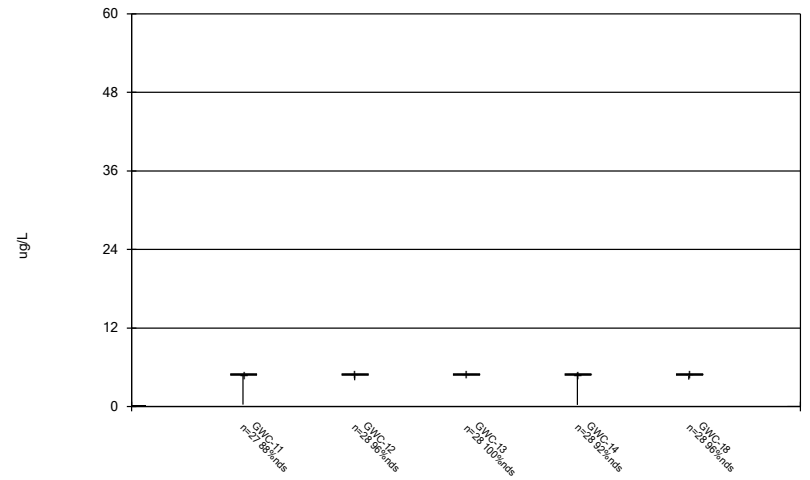


Box & Whiskers Plot



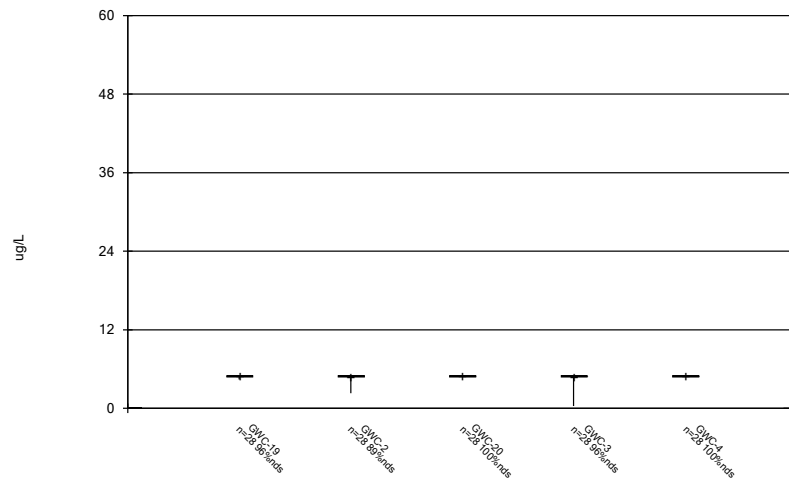
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



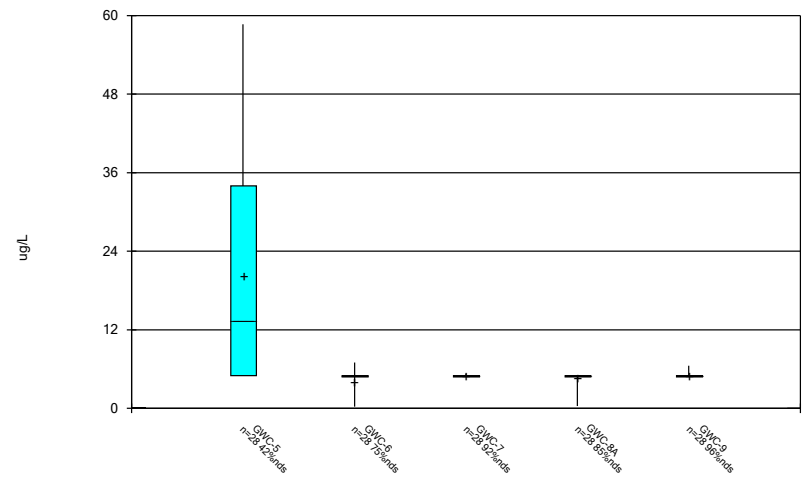
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



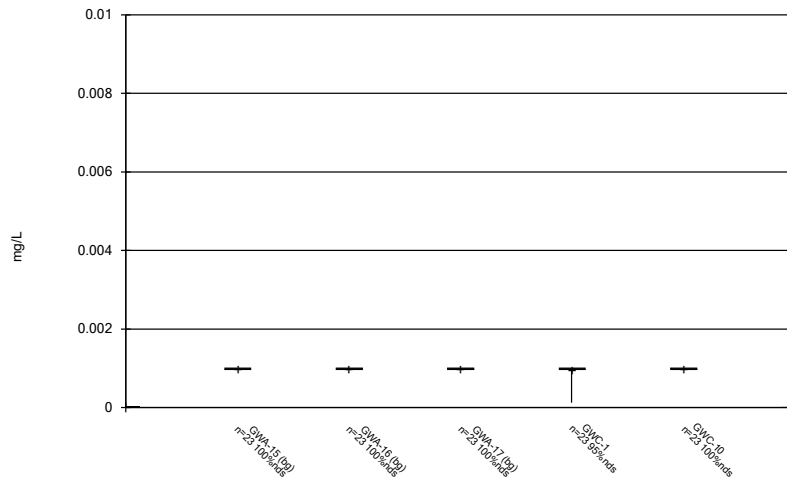
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



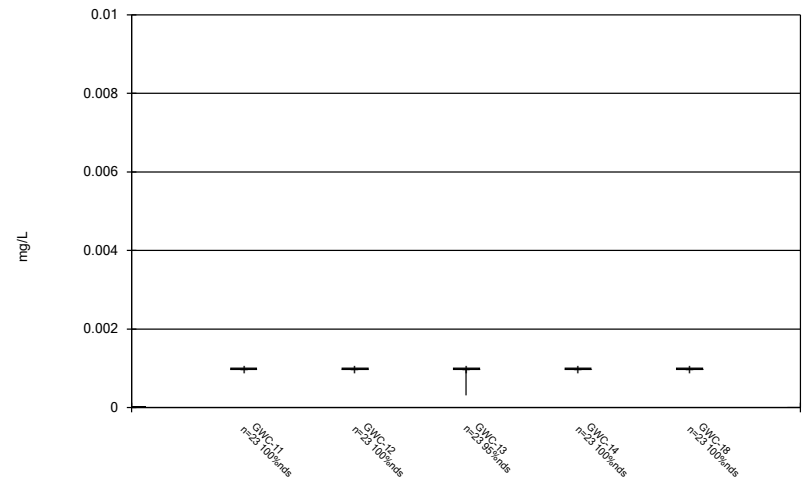
Constituent: Selenium, Total Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



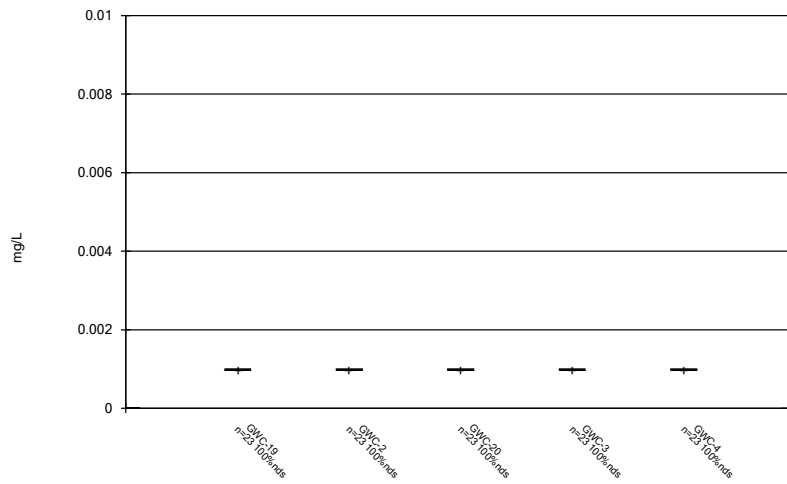
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



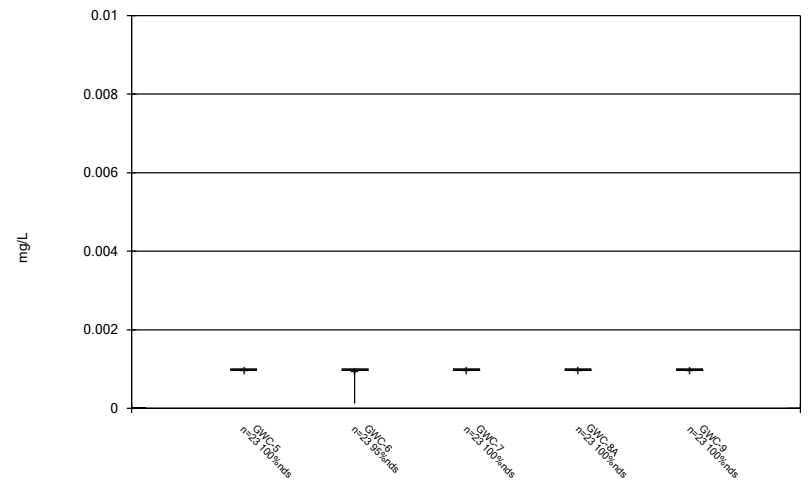
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



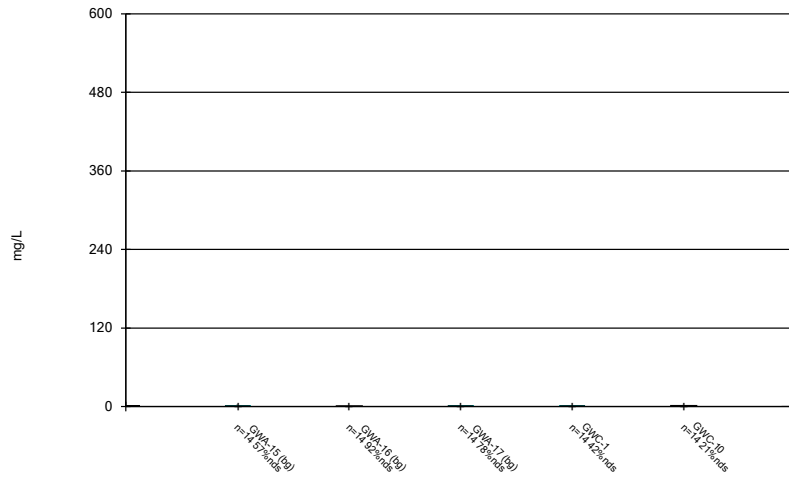
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



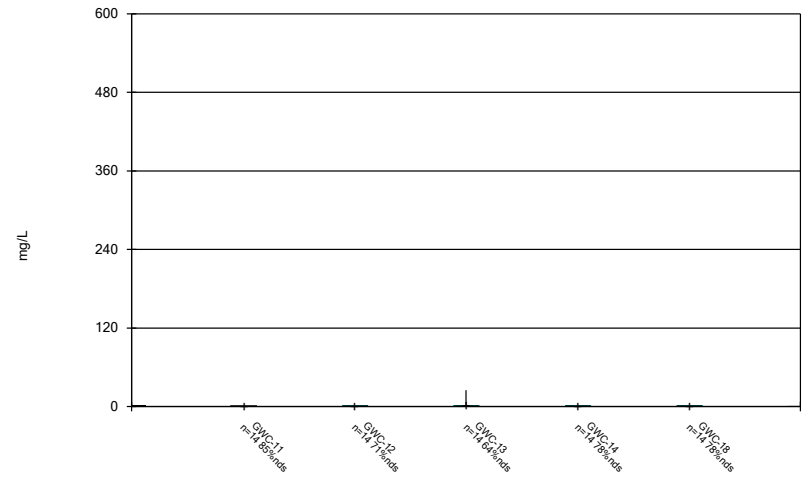
Constituent: Silver Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



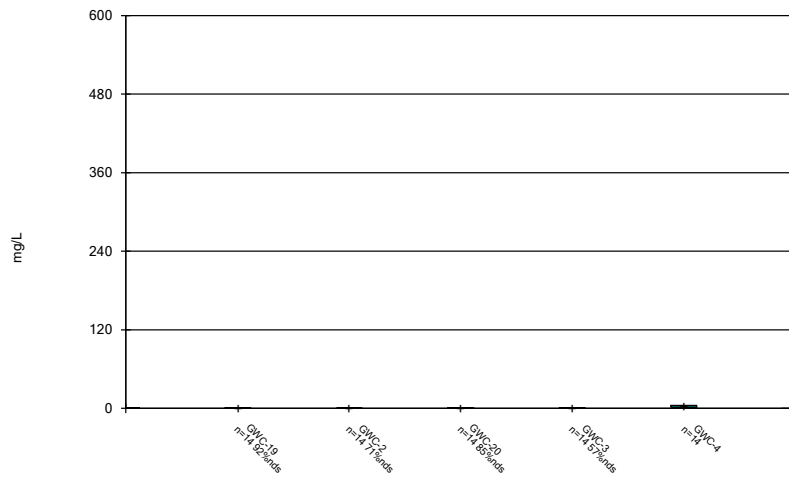
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



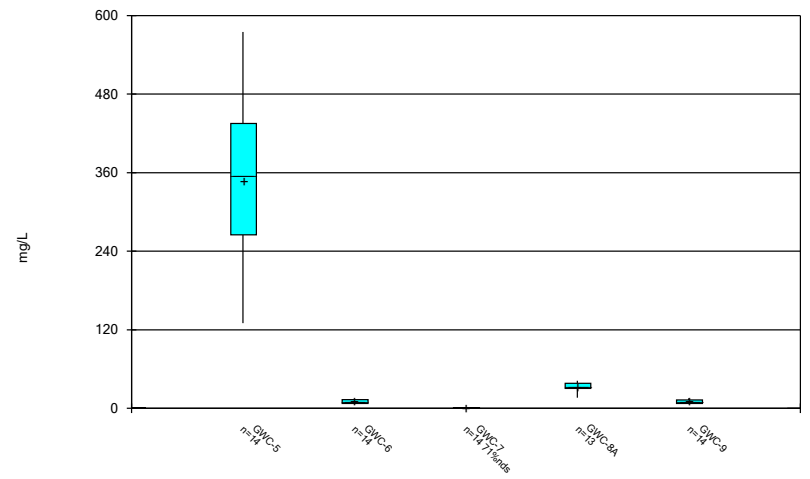
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



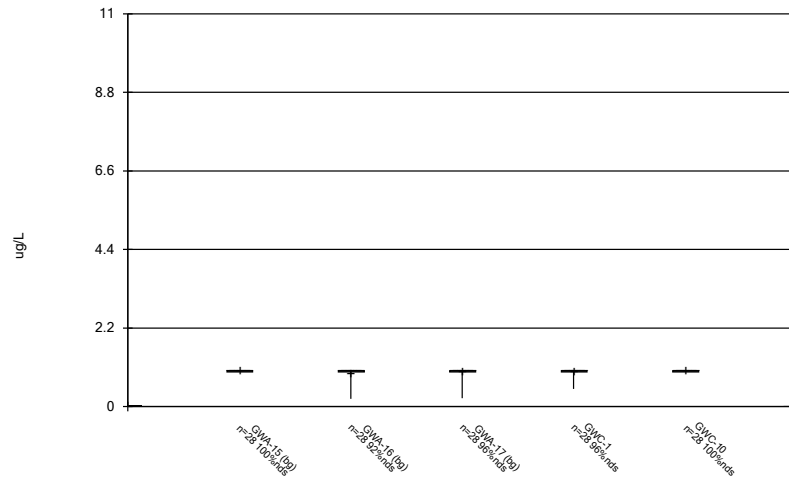
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



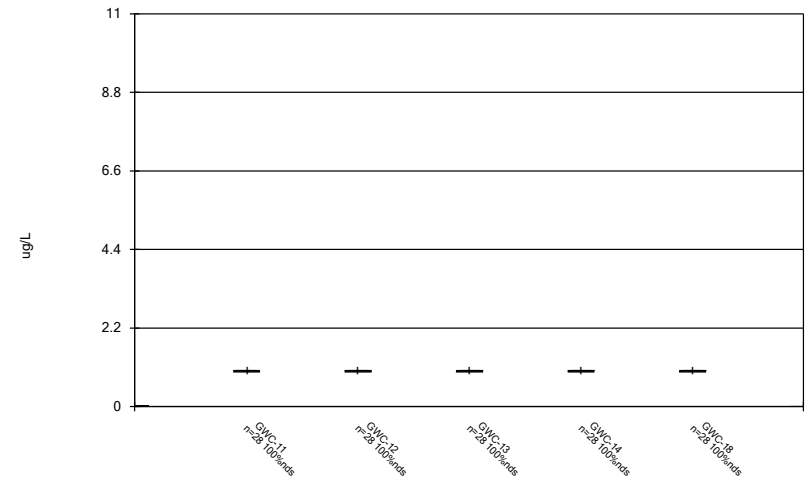
Constituent: Sulfate as SO4 Analysis Run 6/19/2020 9:15 AM  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



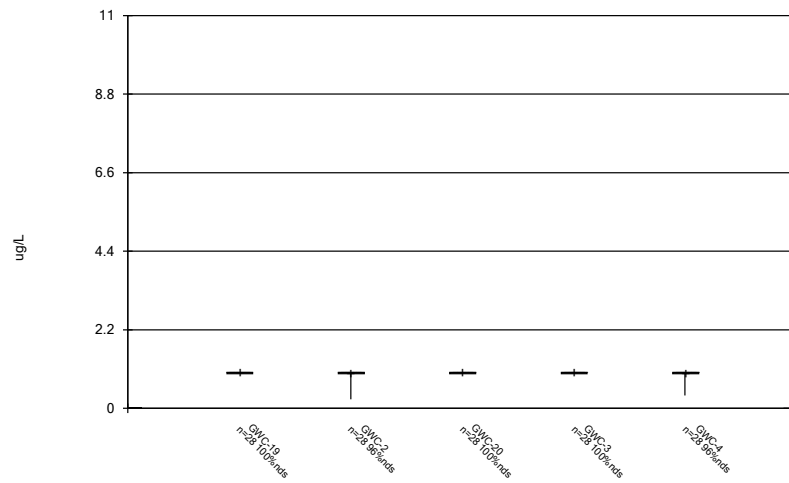
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



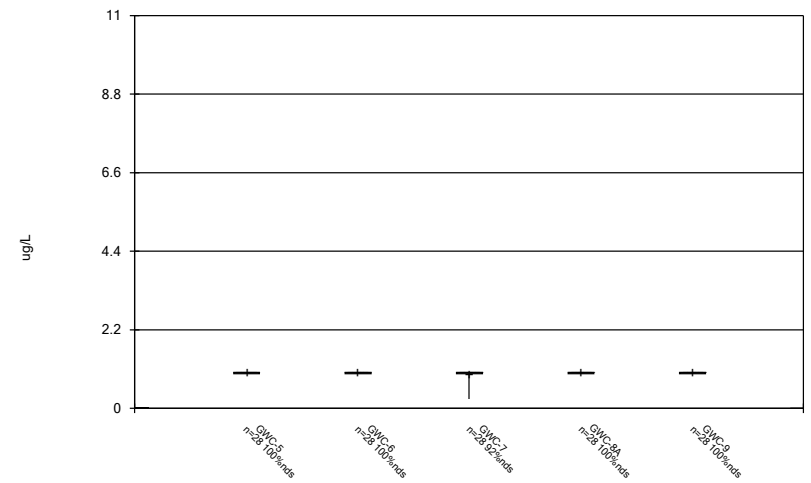
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



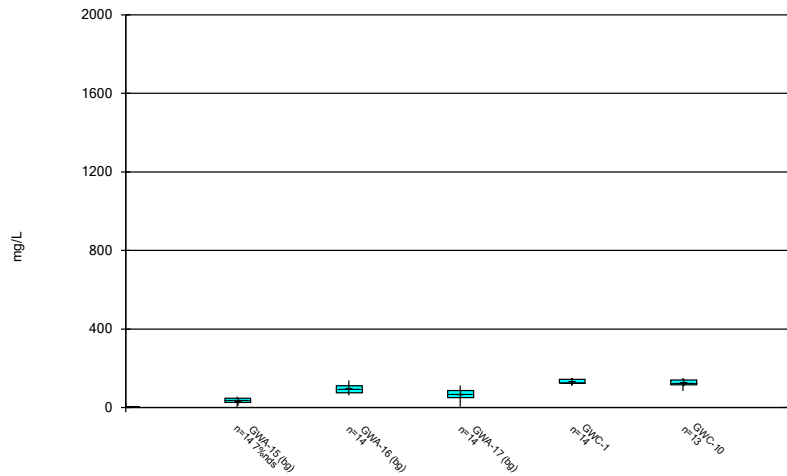
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



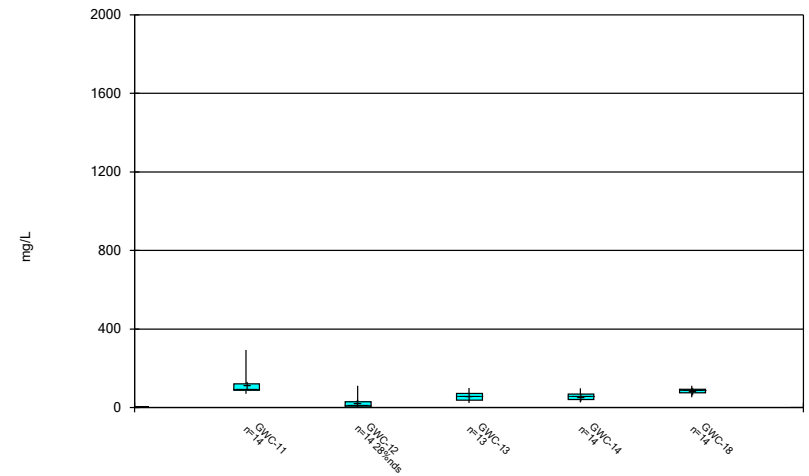
Constituent: Thallium, Total Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



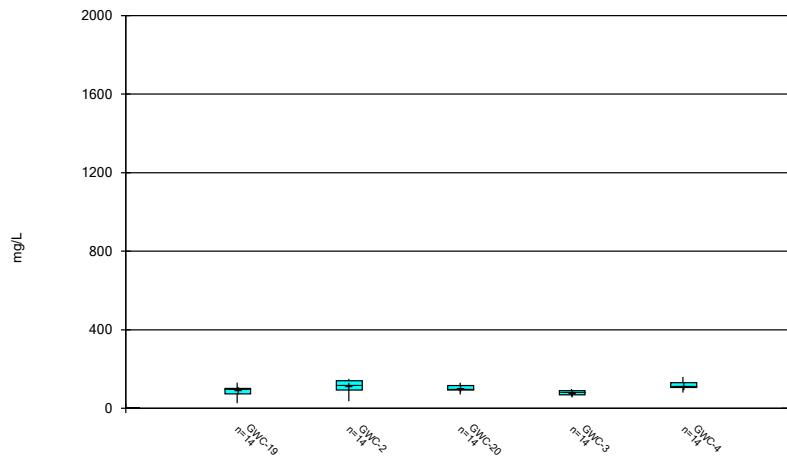
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



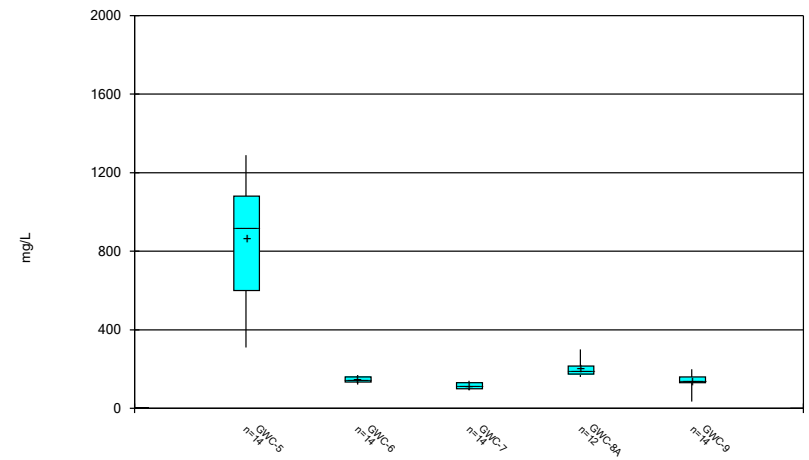
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



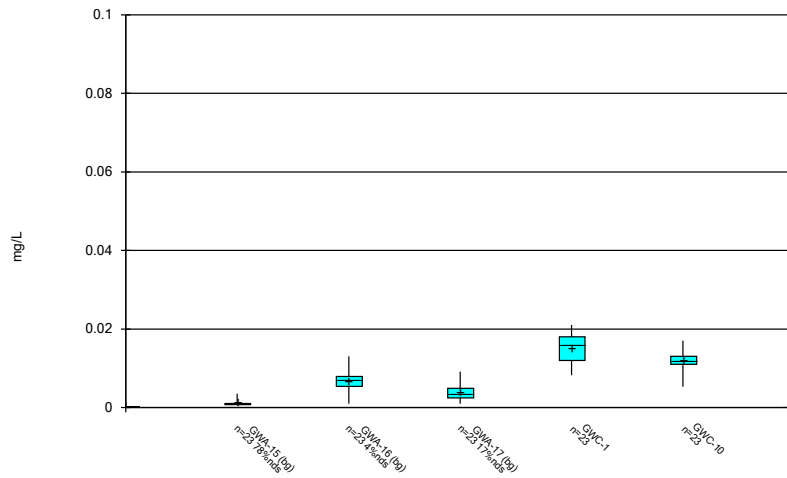
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



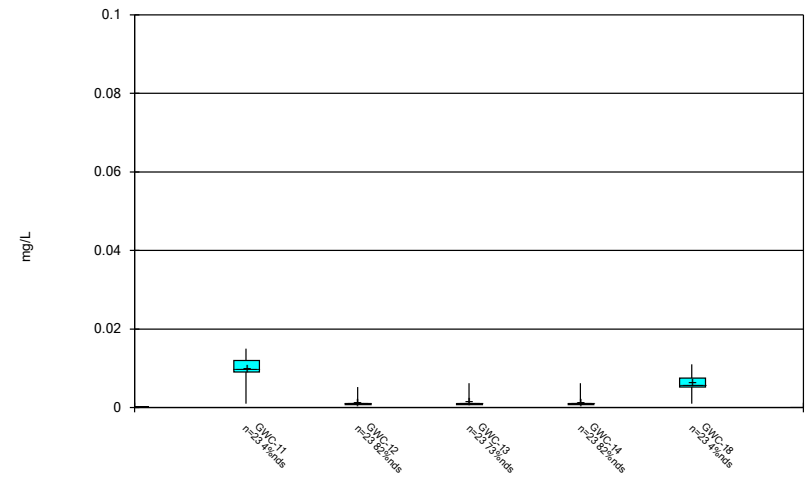
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



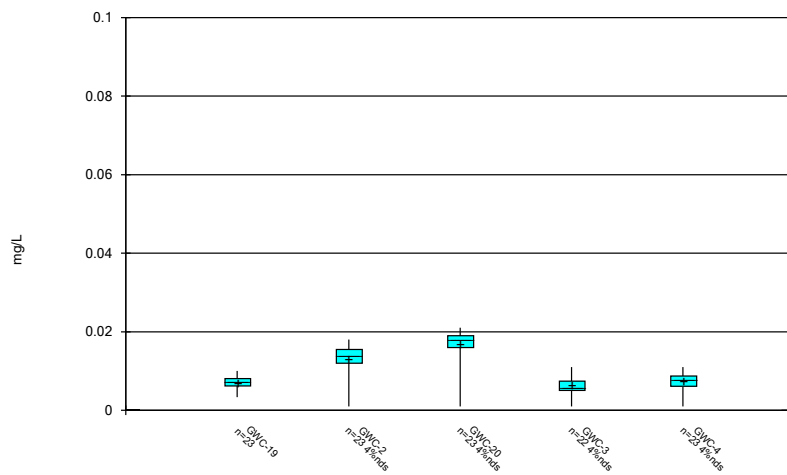
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



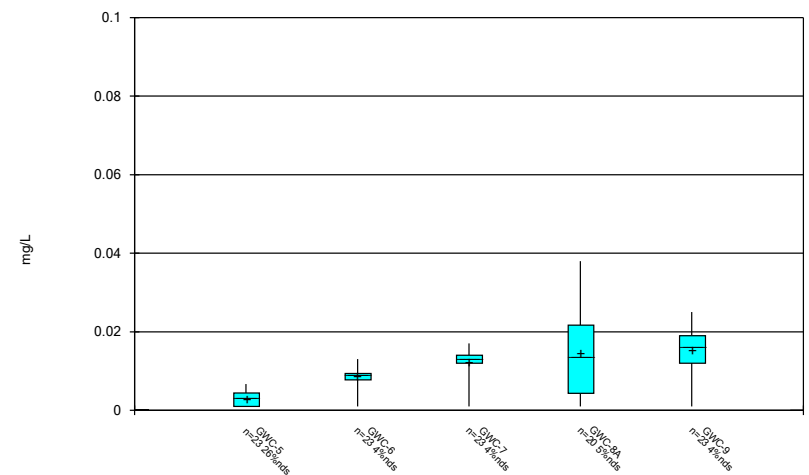
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



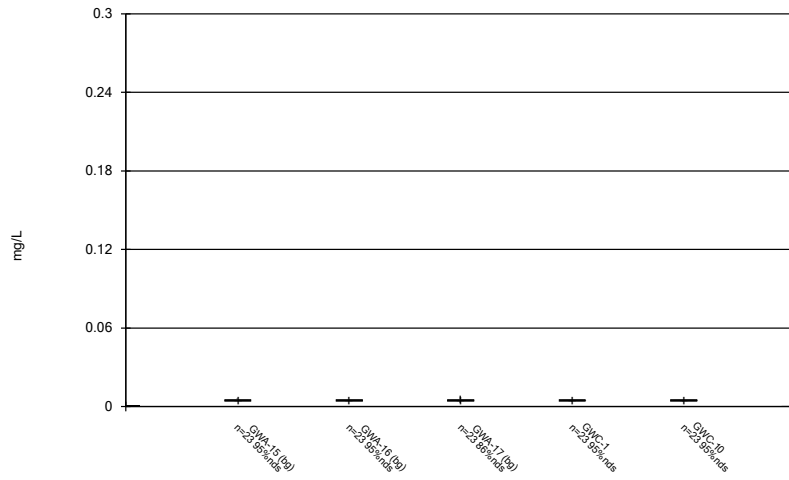
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



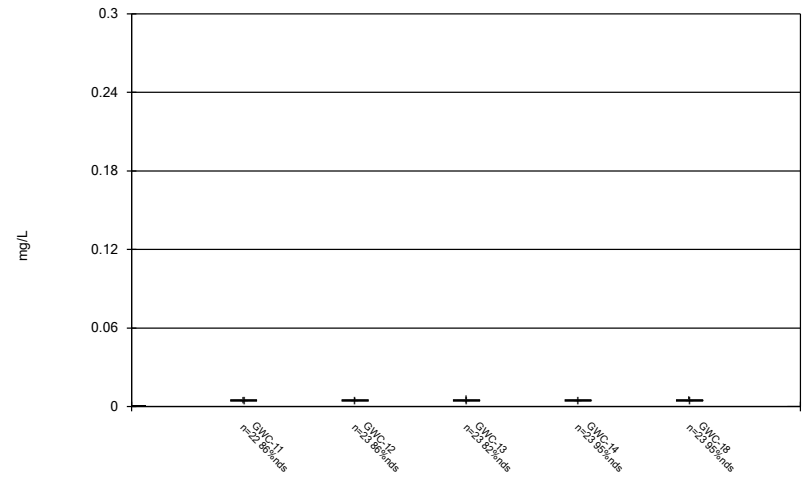
Constituent: Vanadium Analysis Run 6/19/2020 9:15 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



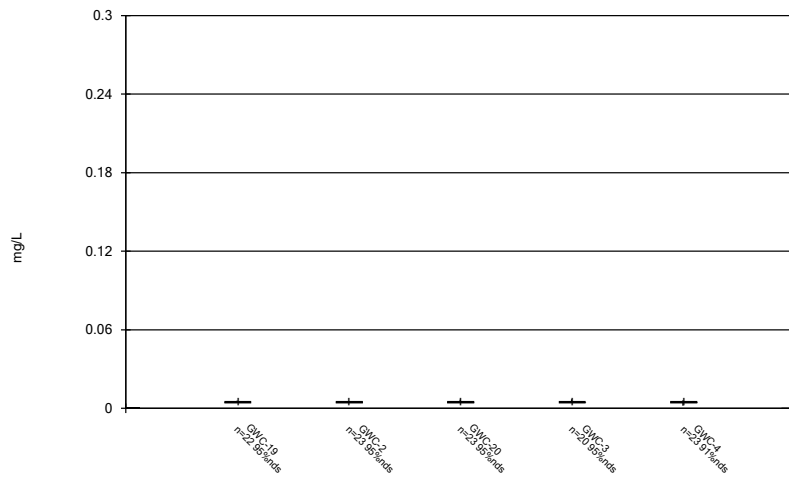
Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### Box & Whiskers Plot



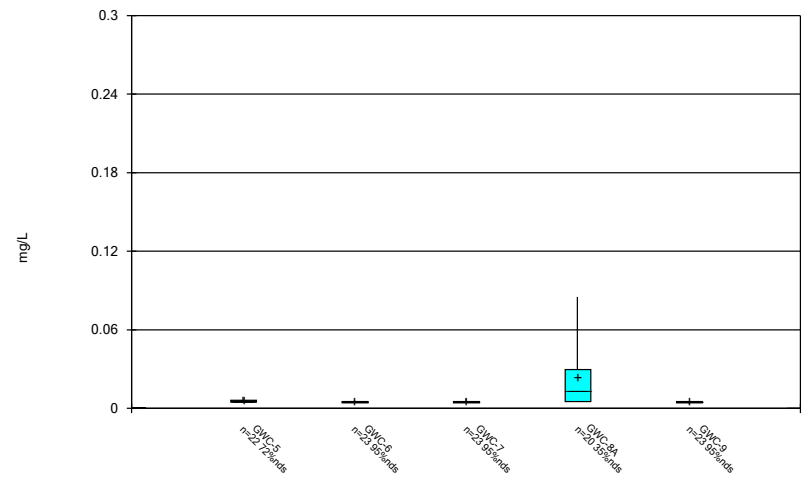
Constituent: Zinc Analysis Run 6/19/2020 9:16 AM  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

### 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.

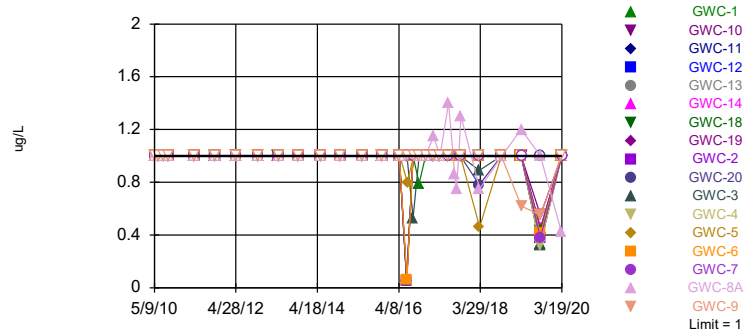
# State Parameters Interwell Prediction Limits - All Results

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

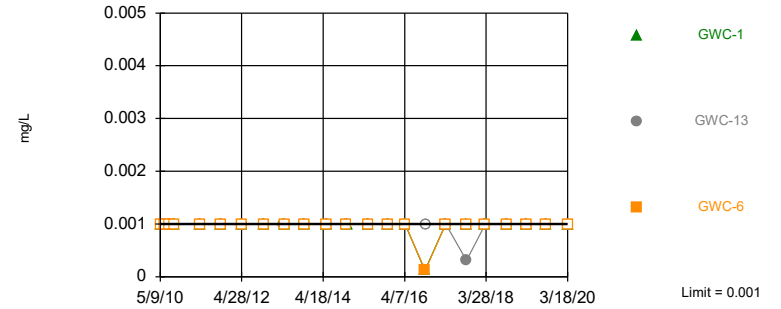


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 84 background values. 96.43% NDs. Annual per-constituent alpha = 0.009151. Individual comparison alpha = 0.0002703 (1 of 2). Comparing 17 points to limit.

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	<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

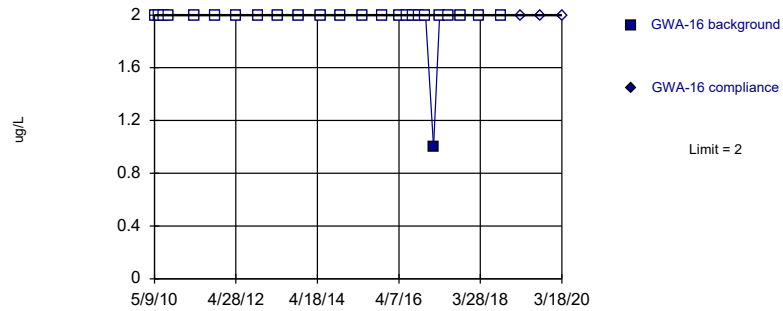
# State Parameters Intrawell Prediction Limits - All Results

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

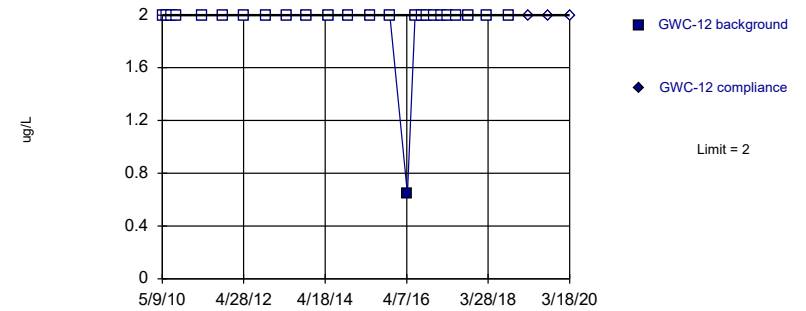


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

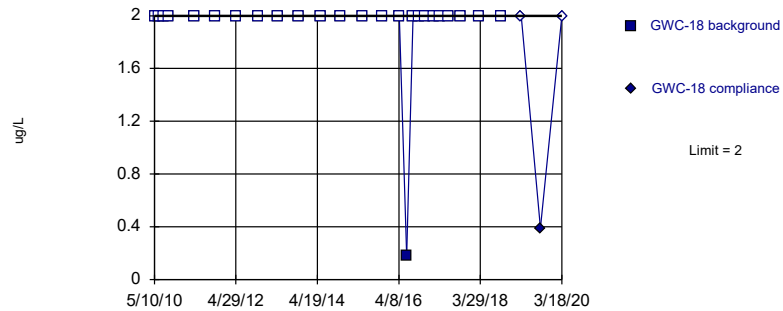


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

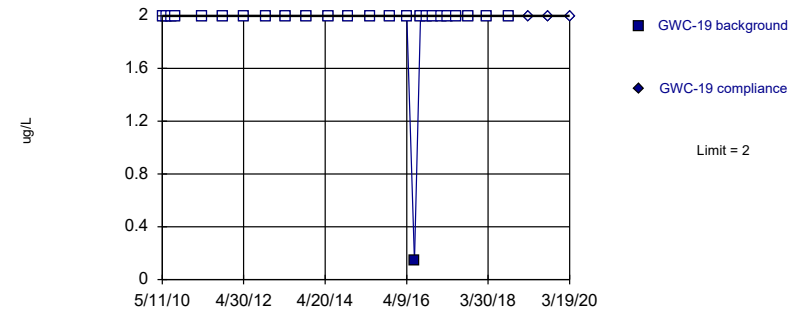


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

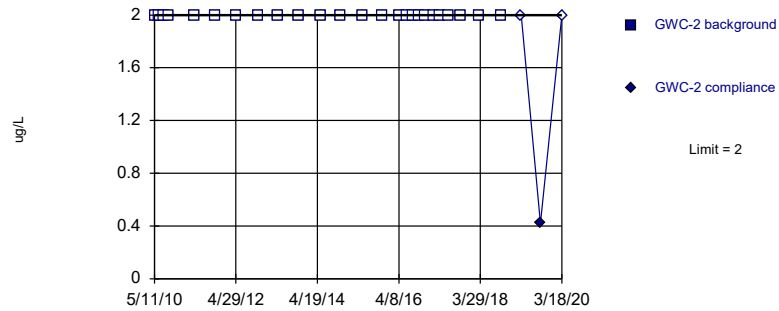


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

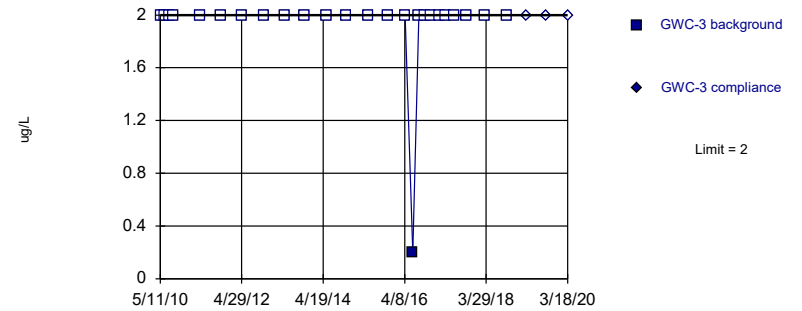


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

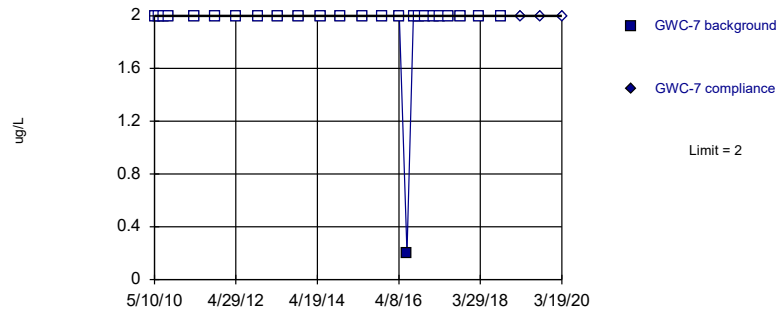


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

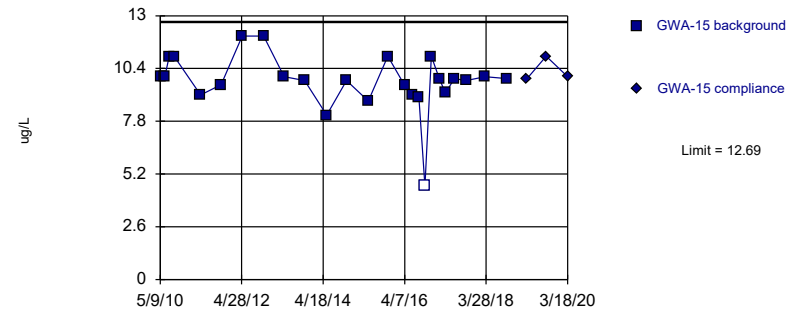


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

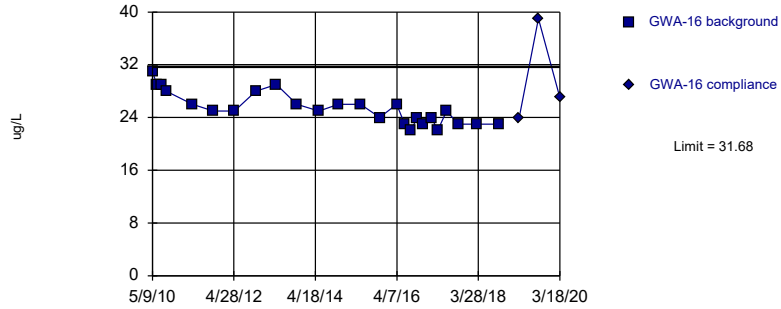


Background Data Summary (based on square transformation): Mean=97.35, Std. Dev.=24.78, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

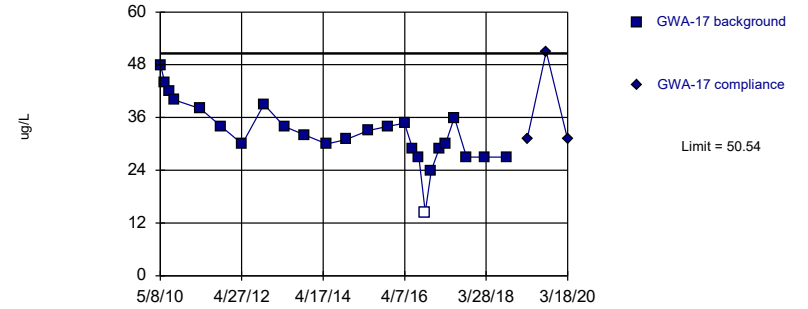


Background Data Summary: Mean=25.4, Std. Dev.=2.449, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9295, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

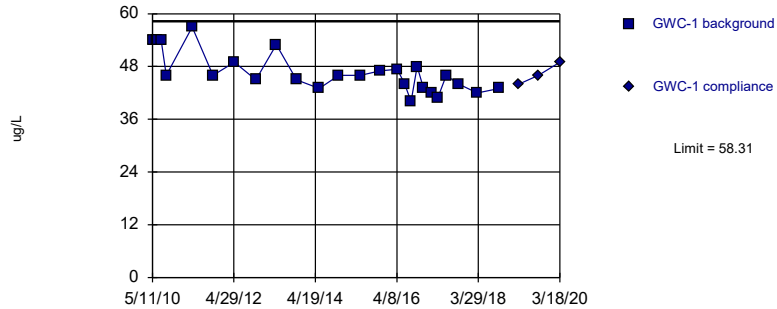


Background Data Summary: Mean=32.57, Std. Dev.=7.007, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9694, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

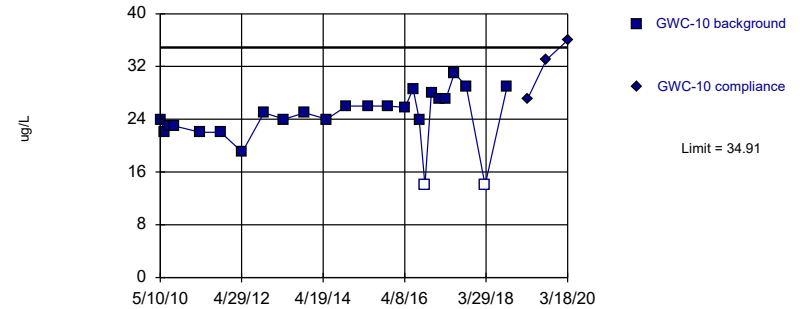


Background Data Summary: Mean=46.62, Std. Dev.=4.557, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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



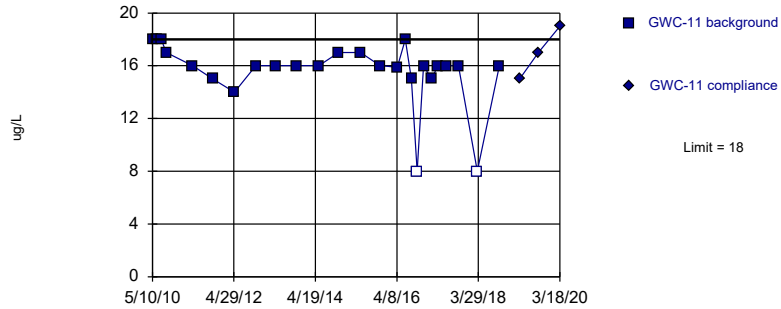
Background Data Summary: Mean=24.34, Std. Dev.=4.121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

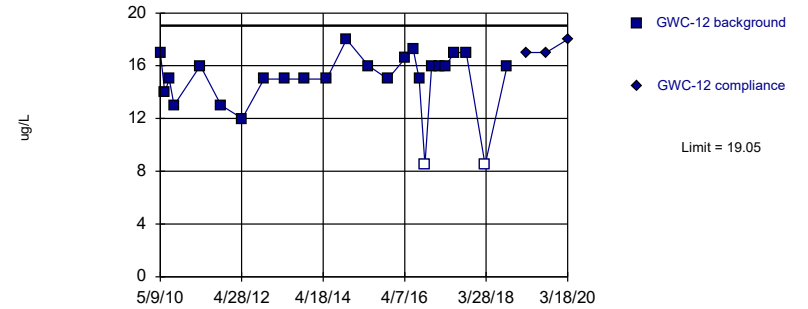


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 8% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 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

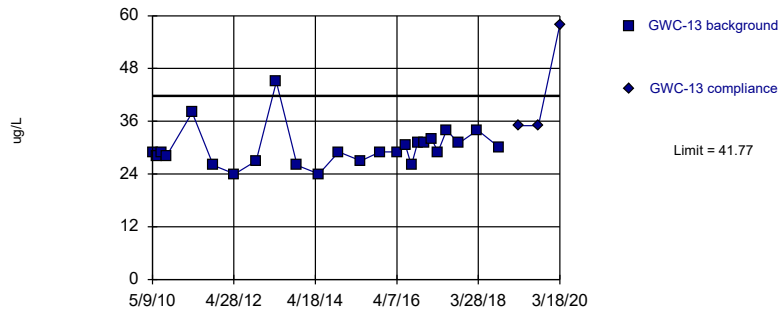


Background Data Summary (based on cube transformation): Mean=3545, Std. Dev.=1313, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

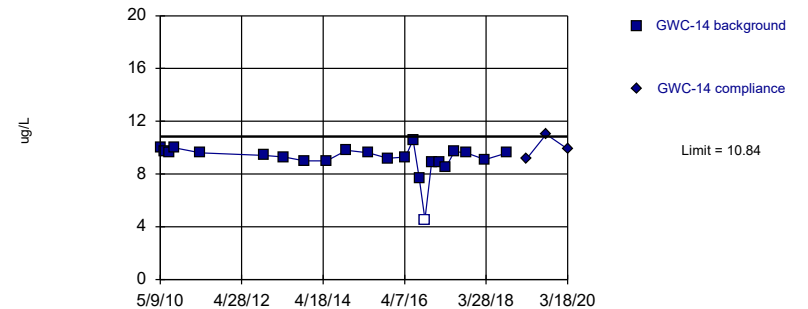


Background Data Summary (based on cube root transformation): Mean=3.096, Std. Dev.=0.1457, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

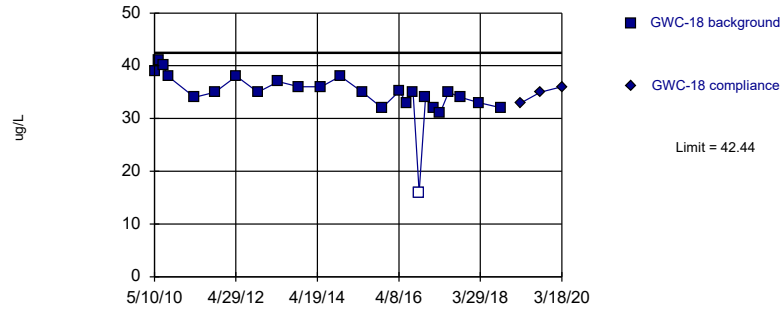


Background Data Summary (based on x^4 transformation): Mean=7548, Std. Dev.=2400, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9155, critical = 0.881. Kappa = 2.612 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

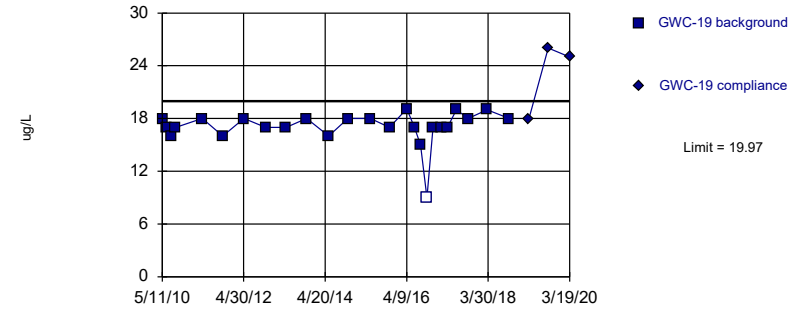


Background Data Summary (based on cube transformation): Mean=43231, Std. Dev.=12957, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

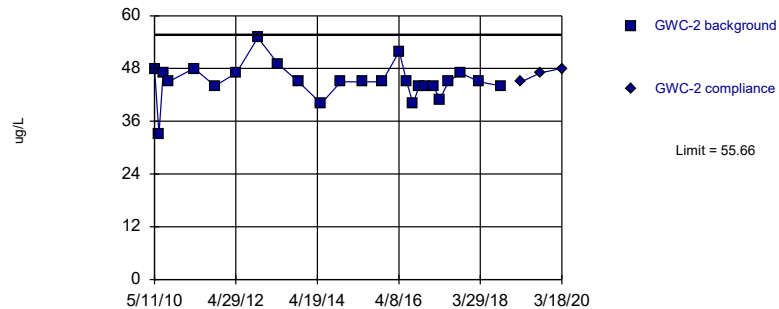


Background Data Summary (based on x^4 transformation): Mean=89561, Std. Dev.=27067, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

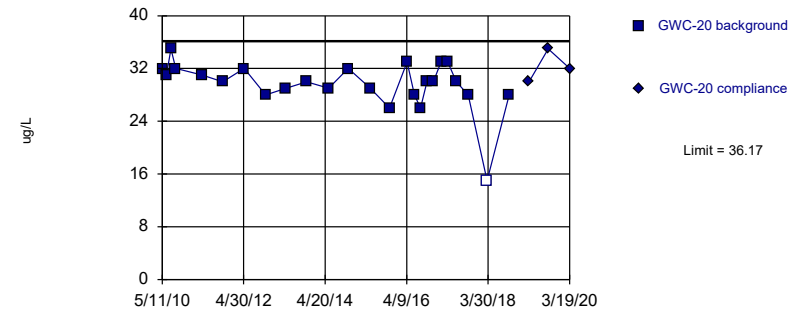


Background Data Summary: Mean=45.08, Std. Dev.=4.125, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9031, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

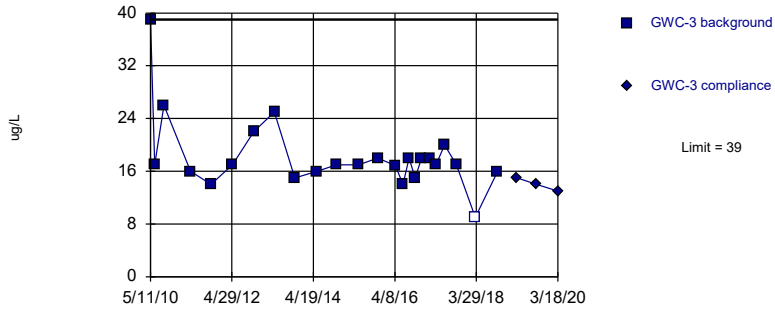


Background Data Summary (based on cube transformation): Mean=27034, Std. Dev.=7901, n=25, 4% NDs.  
Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

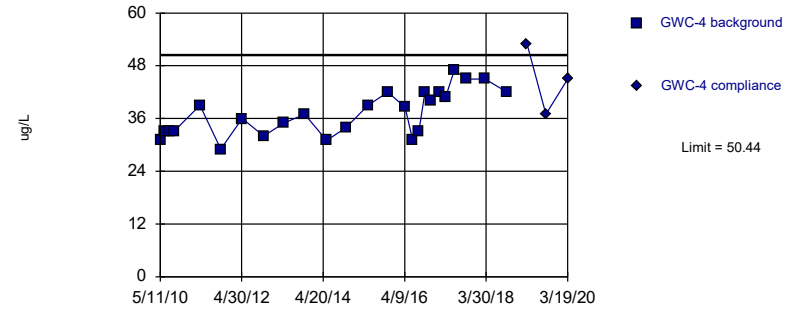


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

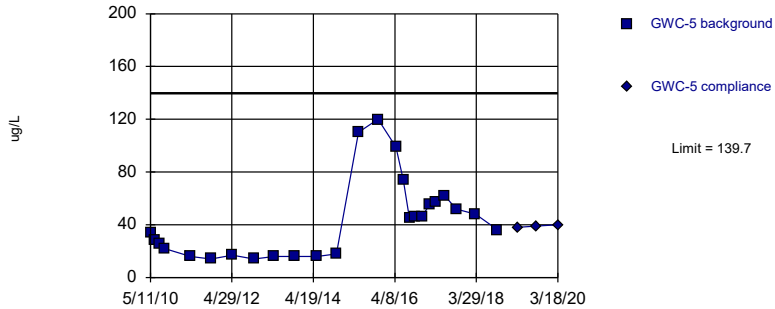


Background Data Summary: Mean=37.22, Std. Dev.=5.153, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

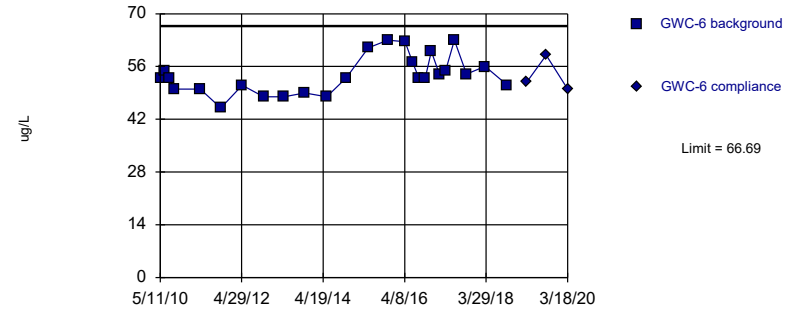


Background Data Summary (based on square root transformation): Mean=6.24, Std. Dev.=2.174, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9047, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

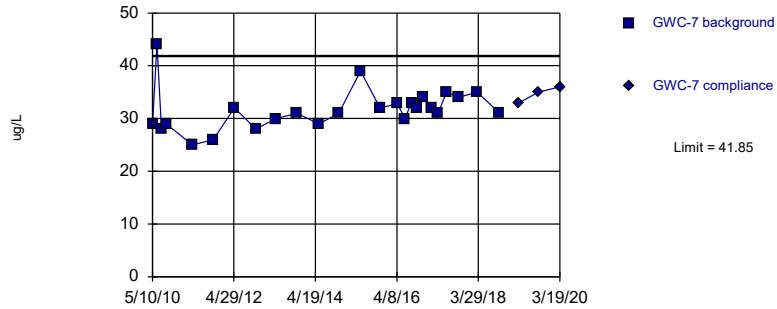


Background Data Summary: Mean=53.82, Std. Dev.=5.017, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

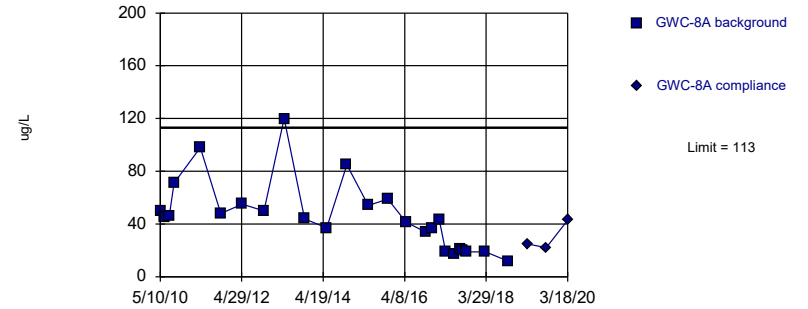


Background Data Summary: Mean=31.71, Std. Dev.=3.951, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9138, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

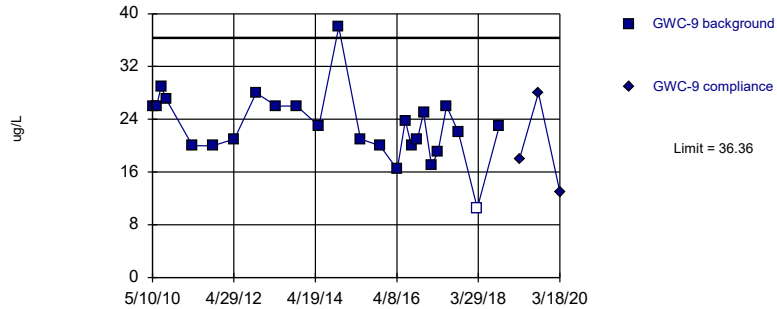


Background Data Summary: Mean=45.78, Std. Dev.=26.22, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

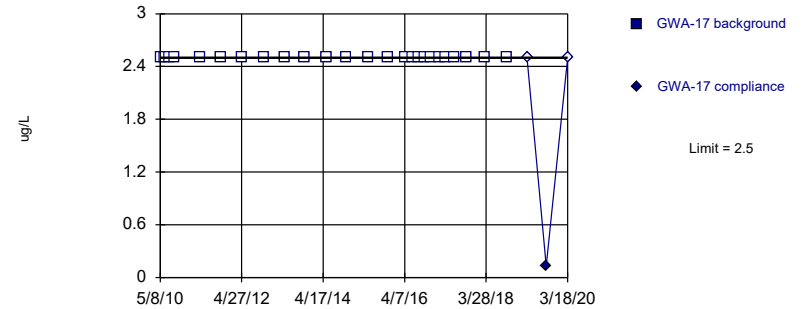


Background Data Summary: Mean=22.99, Std. Dev.=5.214, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

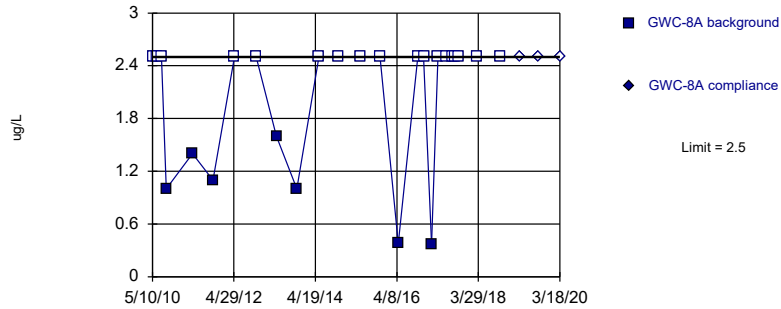


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

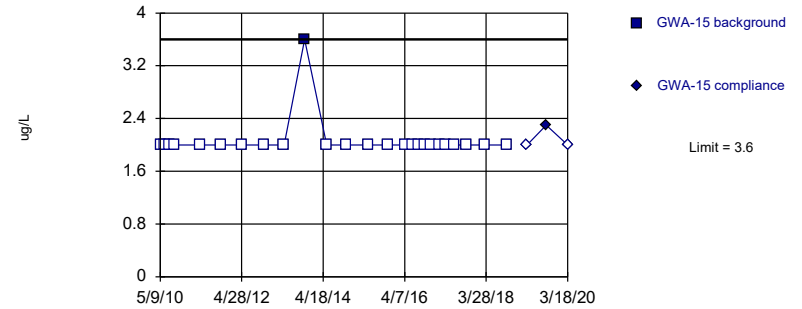


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

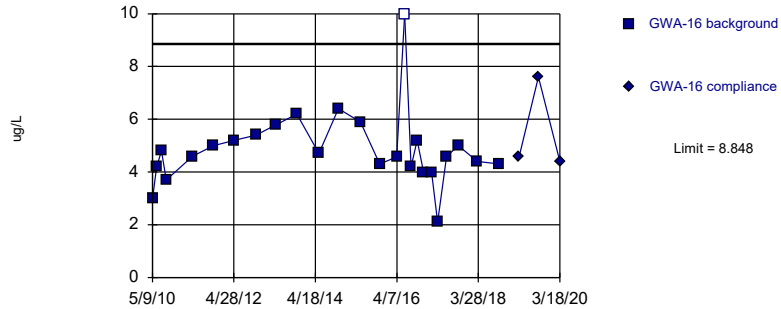


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

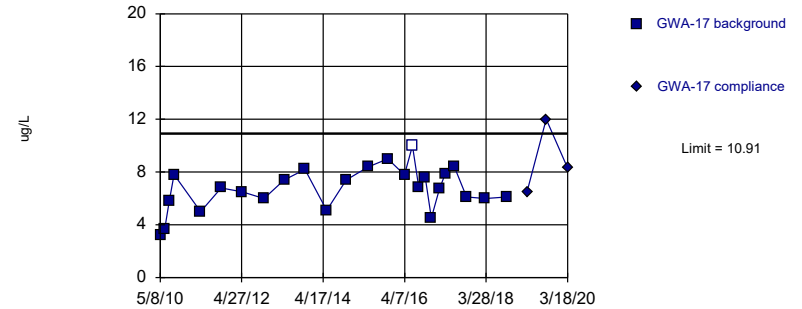


Background Data Summary (based on square root transformation): Mean=2.184, Std. Dev.=0.3081, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

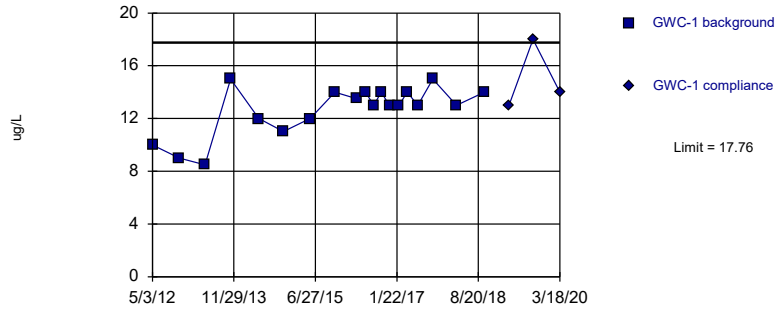


Background Data Summary: Mean=6.728, Std. Dev.=1.632, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

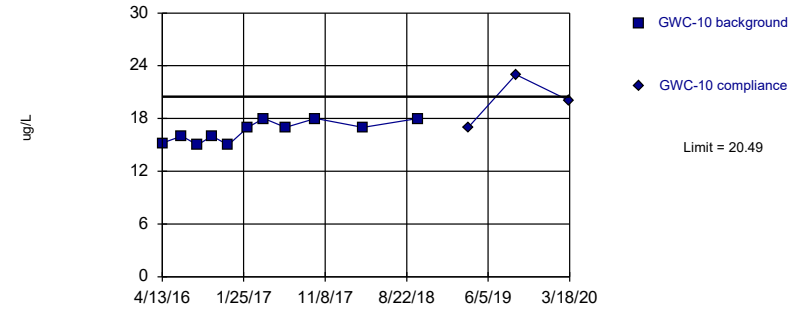


Background Data Summary: Mean=12.68, Std. Dev.=1.865, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8777, critical = 0.863. Kappa = 2.723 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

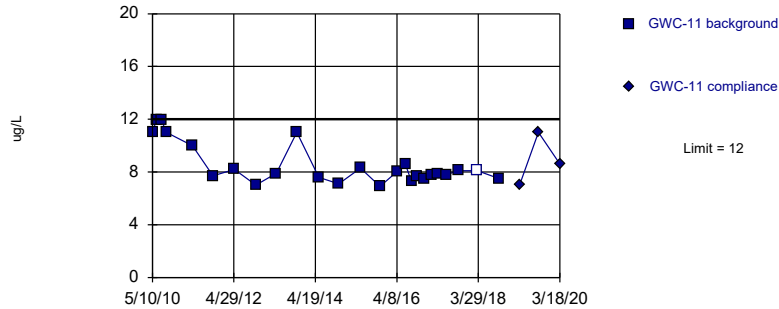


Background Data Summary: Mean=16.56, Std. Dev.=1.189, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8759, critical = 0.792. Kappa = 3.301 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

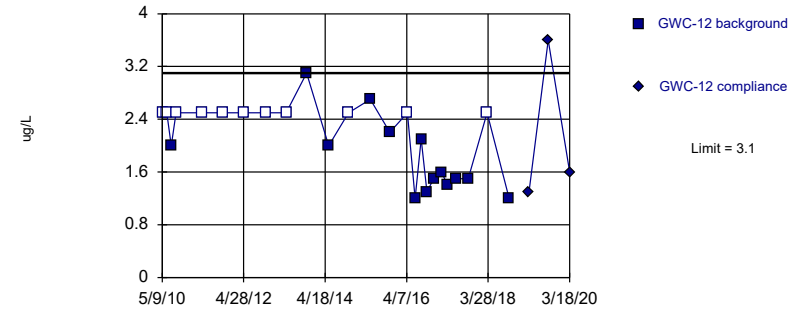


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 4% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 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

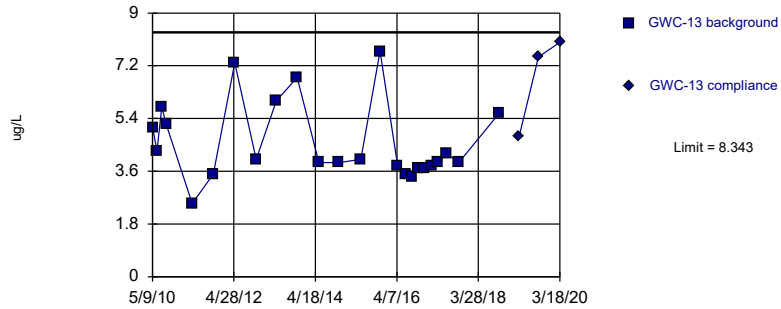


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 44% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 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

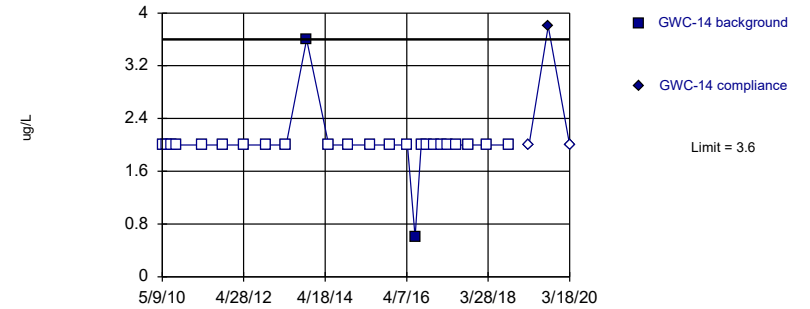


Background Data Summary (based on square root transformation): Mean=2.116, Std. Dev.=0.2984, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.589 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

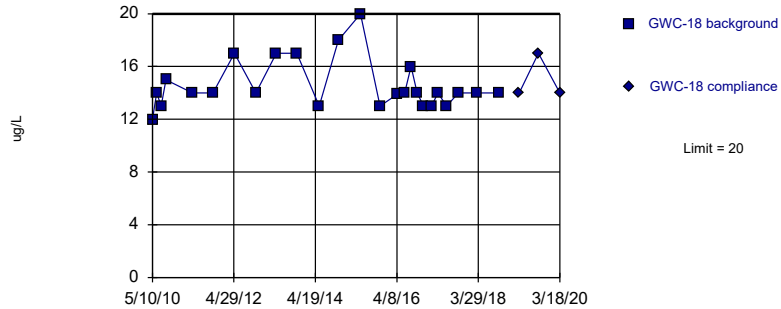


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

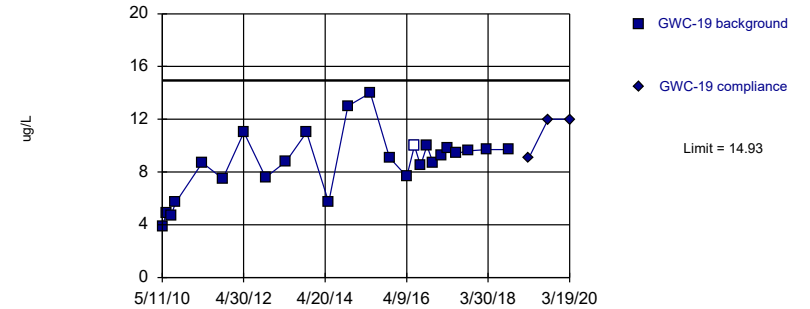


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

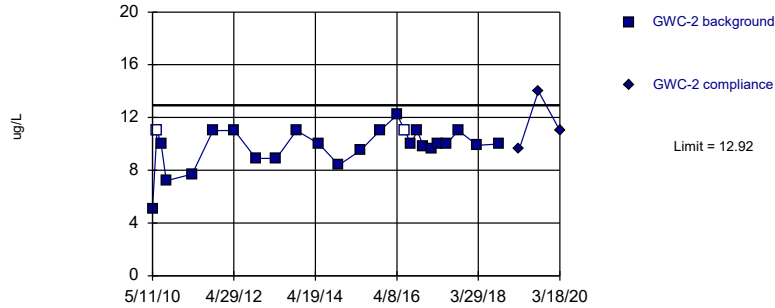


Background Data Summary: Mean=8.719, Std. Dev.=2.422, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9534, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

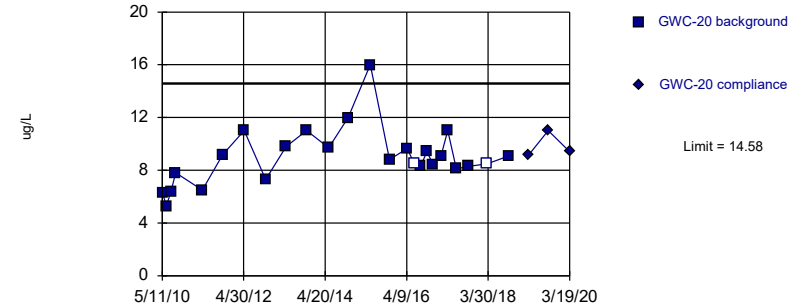


Background Data Summary (based on square transformation): Mean=98.38, Std. Dev.=26.78, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

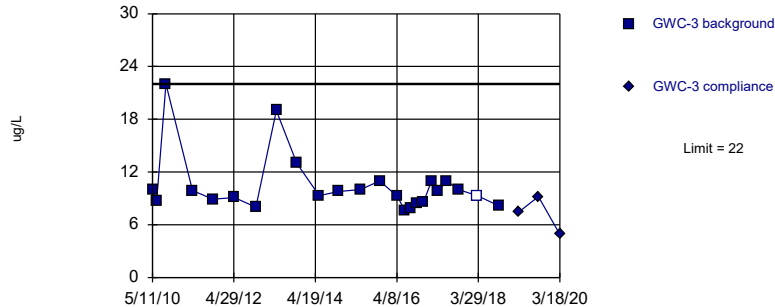


Background Data Summary: Mean=9.018, Std. Dev.=2.168, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

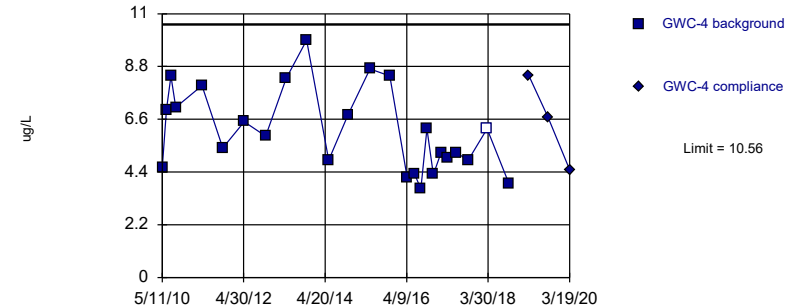


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

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.

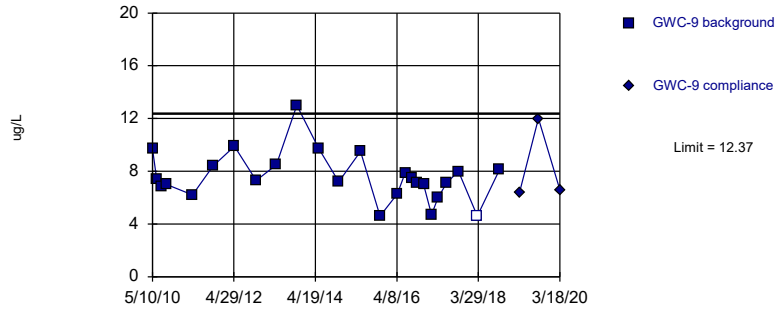
Constituent: Chromium, Total Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR





Within Limit

Prediction Limit  
Intrawell Parametric

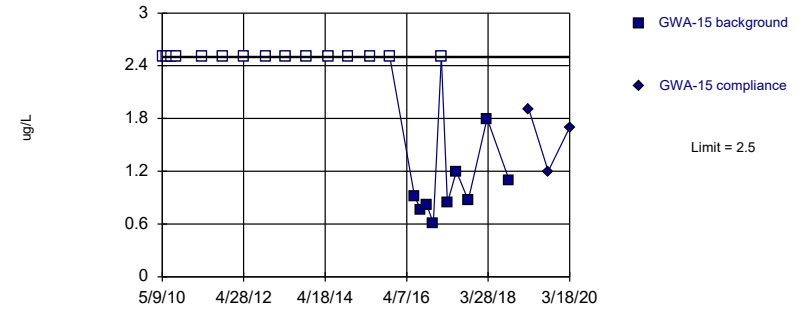


Background Data Summary: Mean=7.579, Std. Dev.=1.867, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9353, critical = 0.888. Kappa = 2.565 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

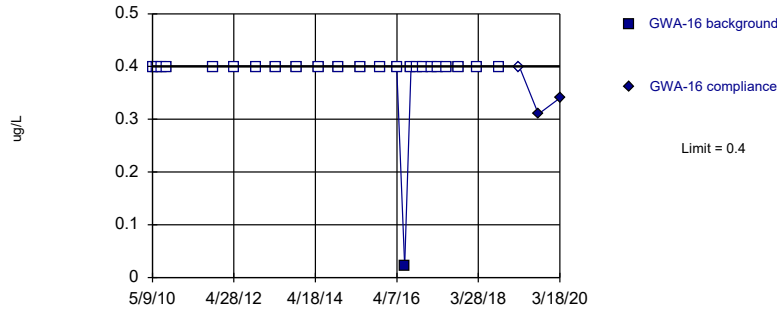


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

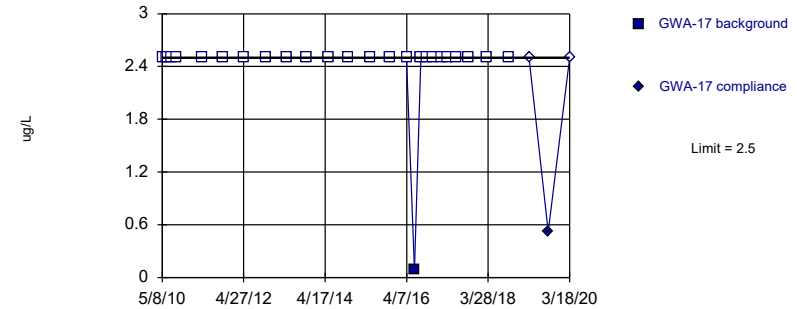


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

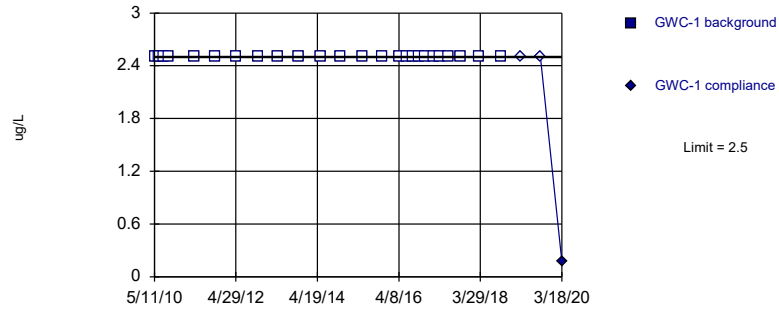


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

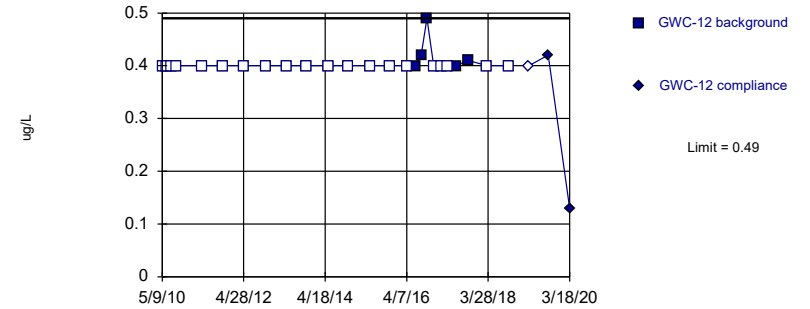


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

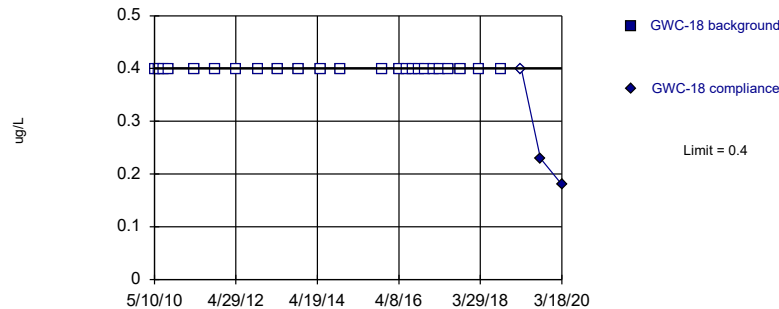


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

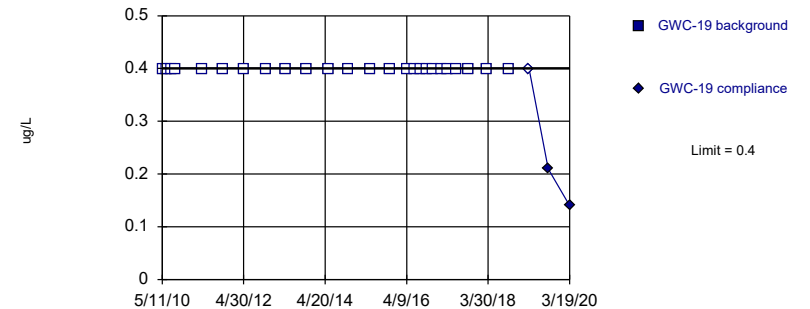


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

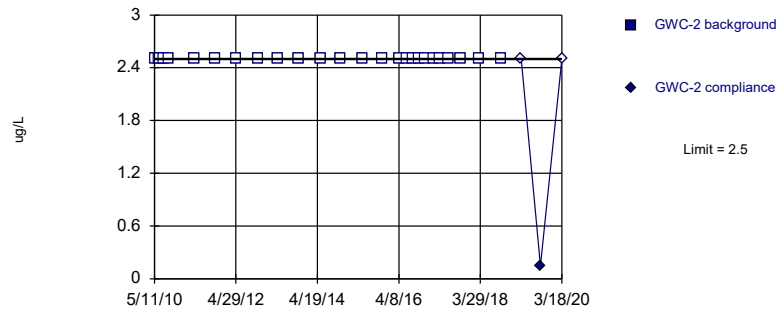


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

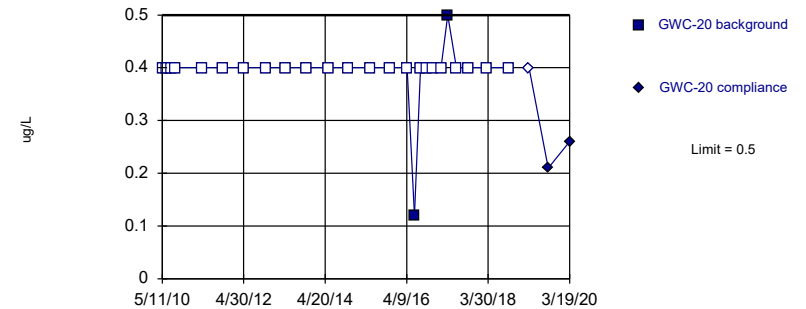


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

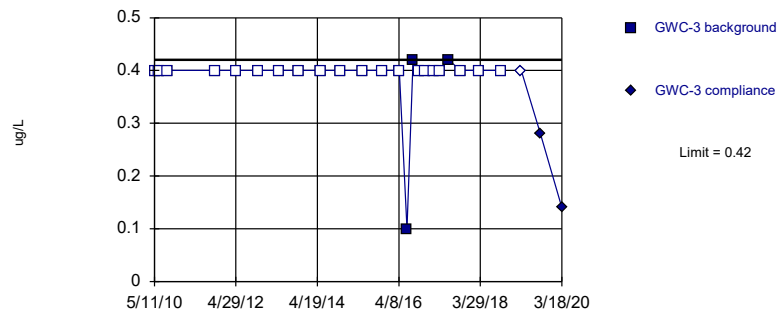


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

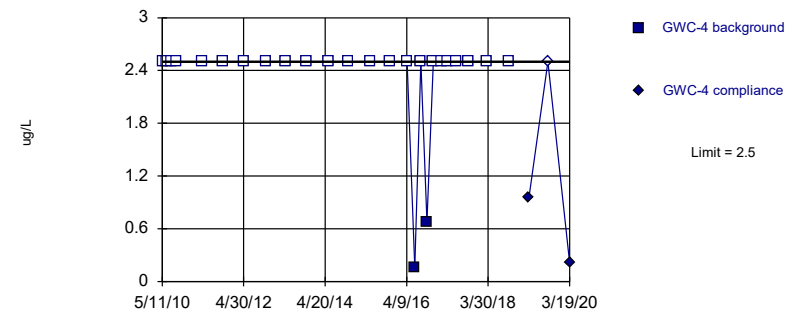


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

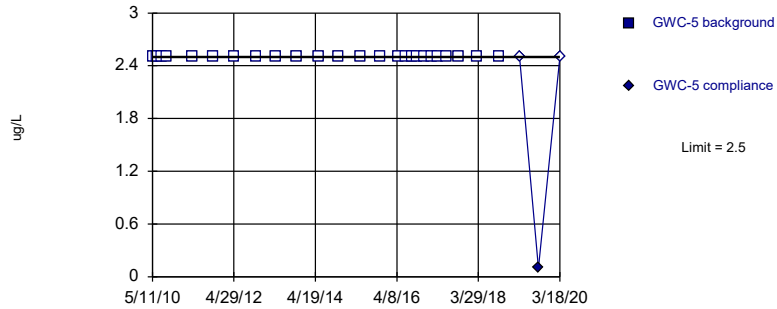


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

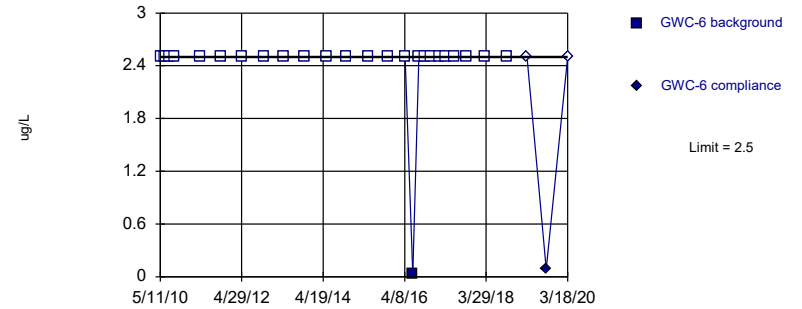


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

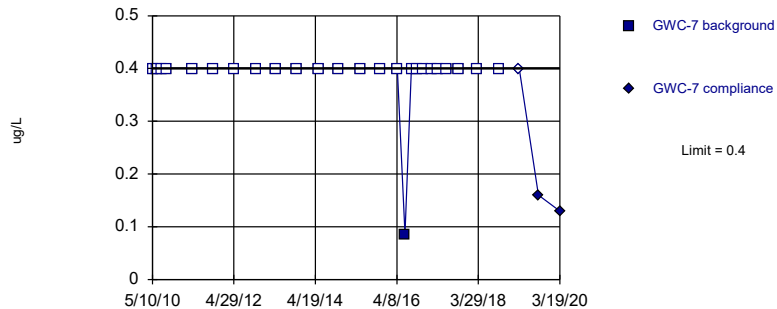


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

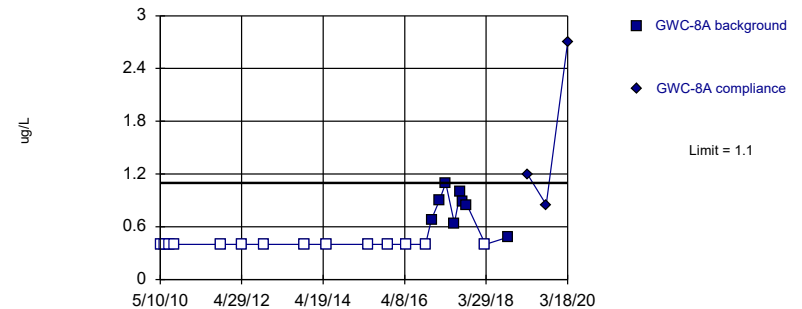


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

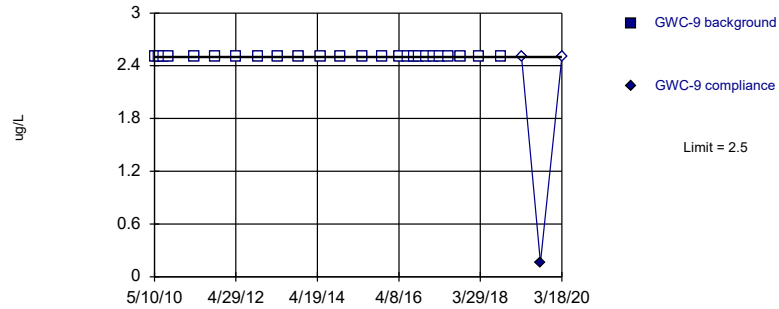


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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

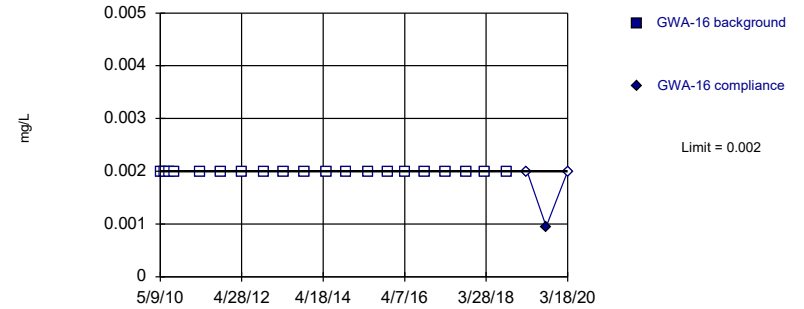


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

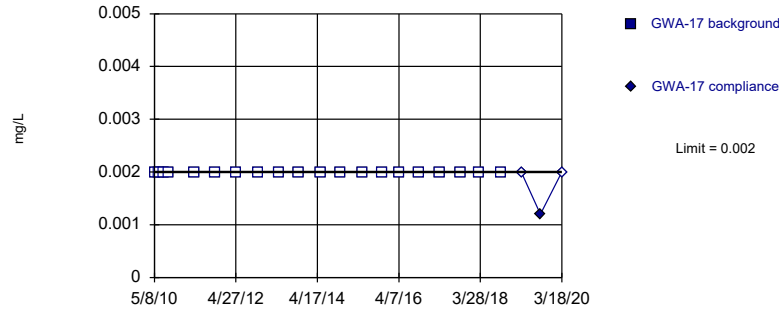


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

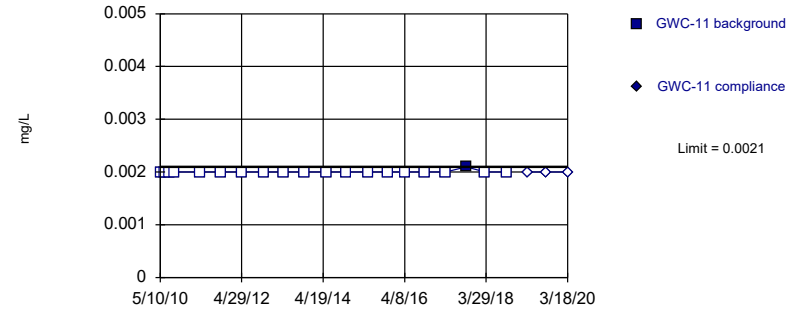


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

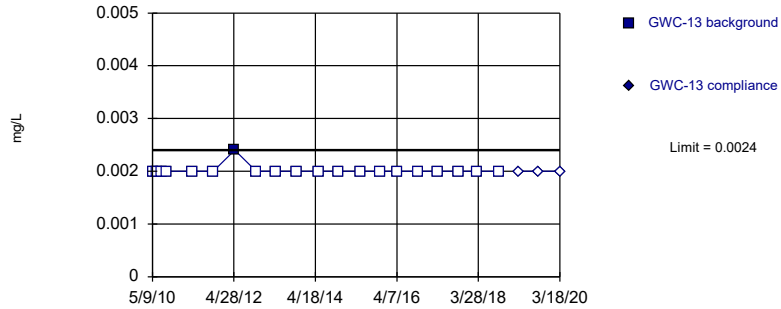


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

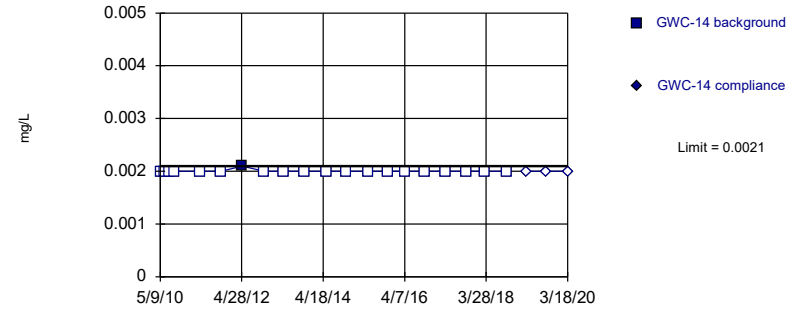


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

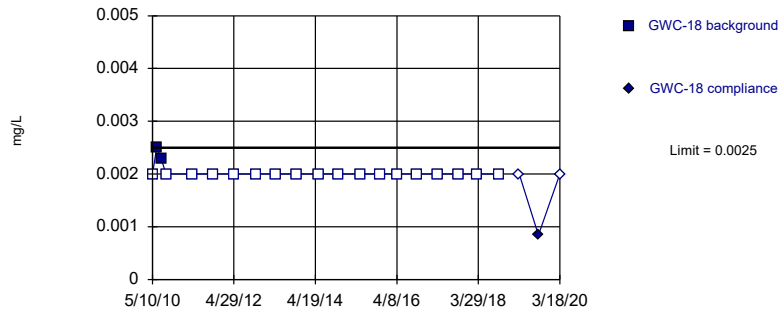


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

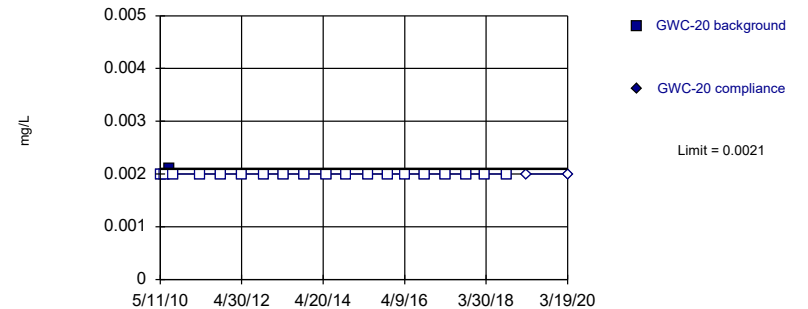


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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



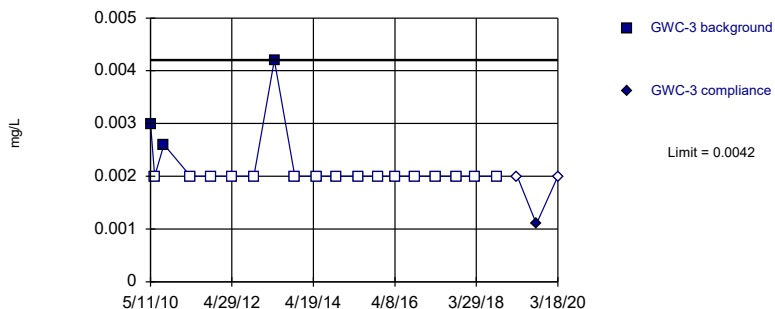
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



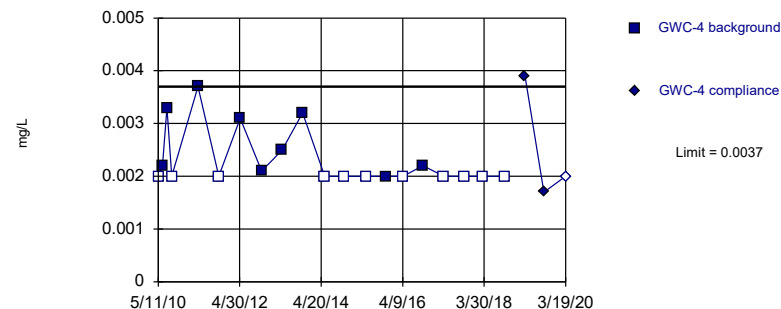
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



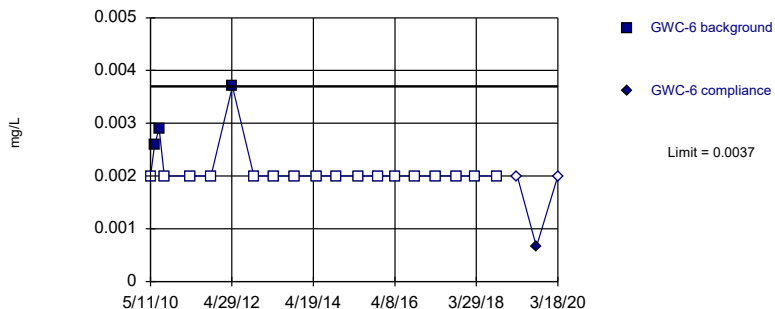
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 55% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



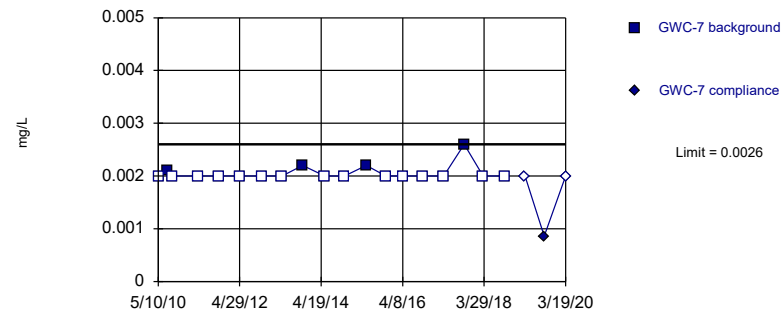
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Copper Analysis Run 6/19/2020 9:35 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



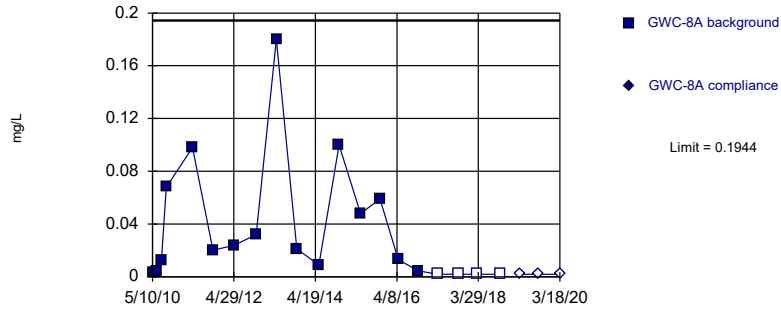
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

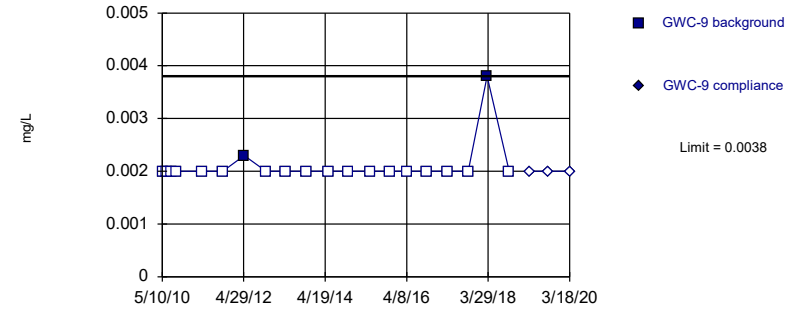


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1545, Std. Dev.=0.1068, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

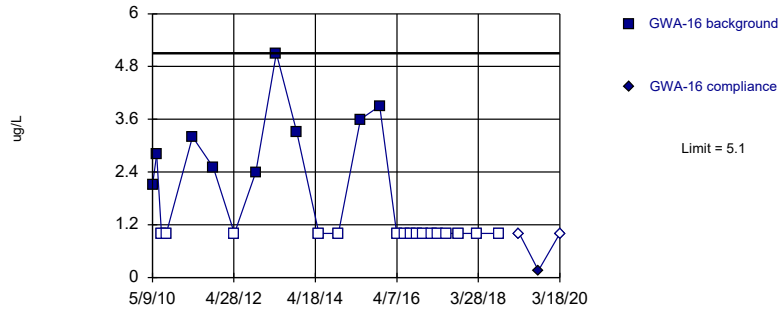


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

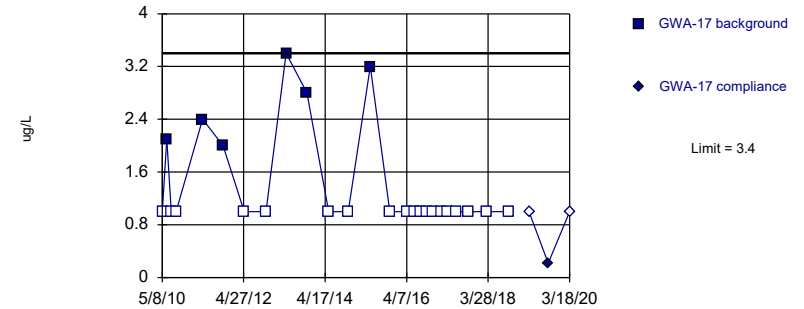


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

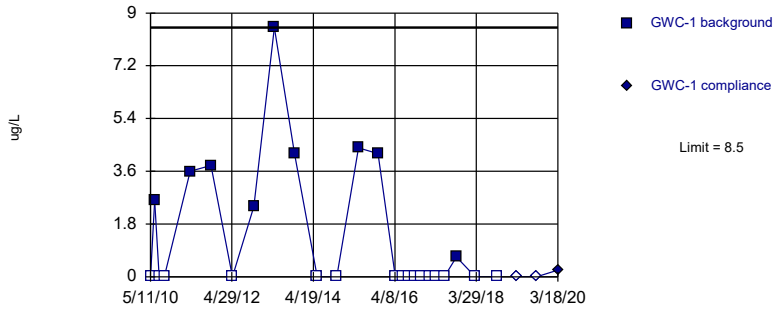


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

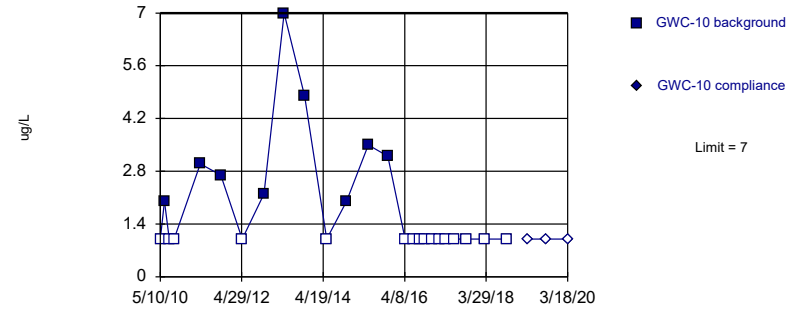


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

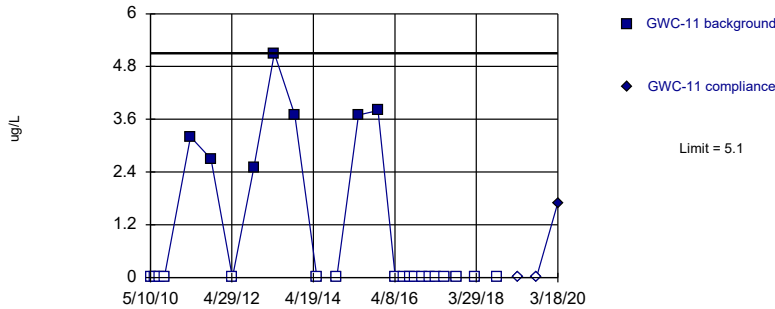


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

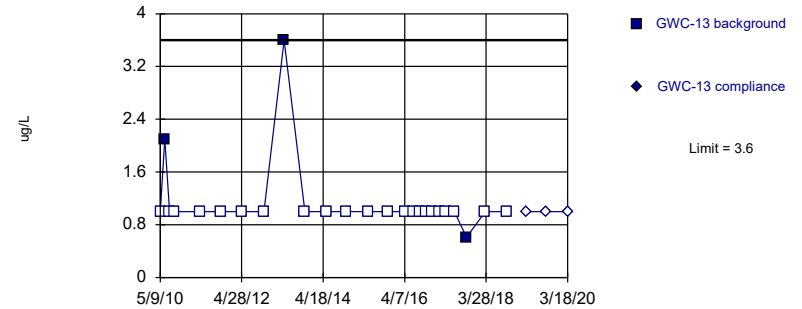


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

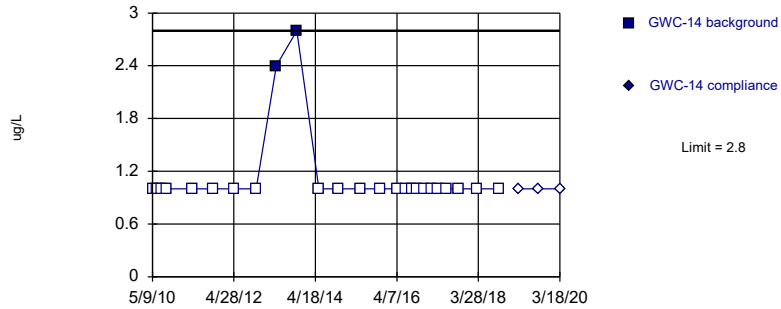


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

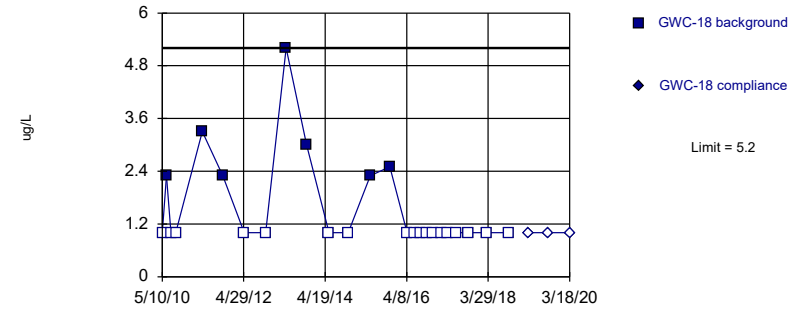


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

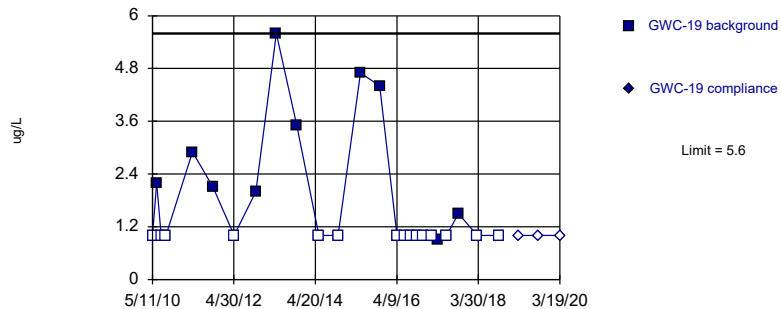


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

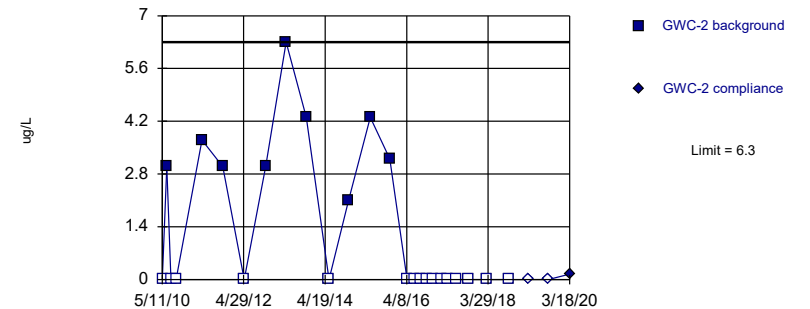


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 60% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

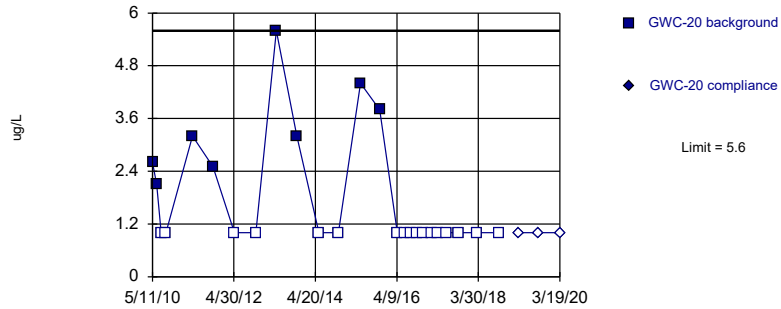


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

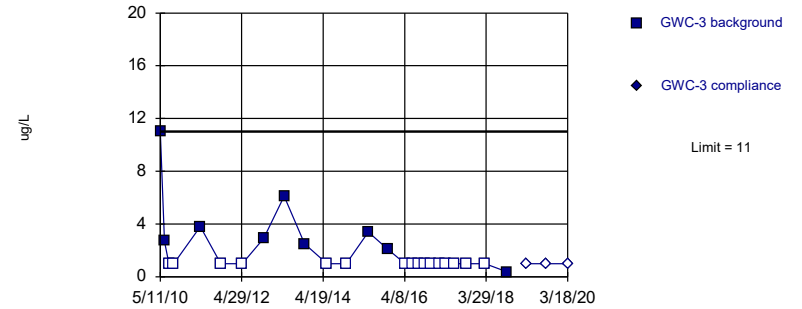


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

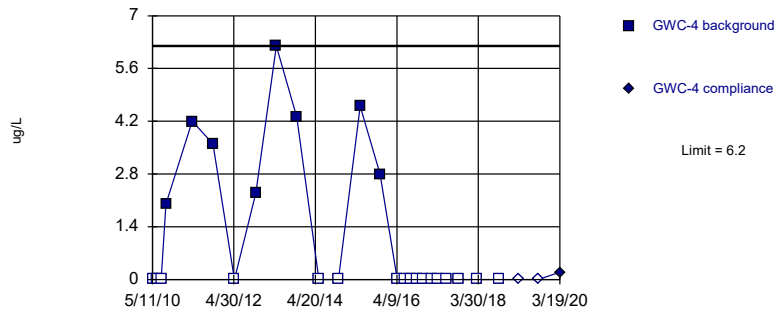


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

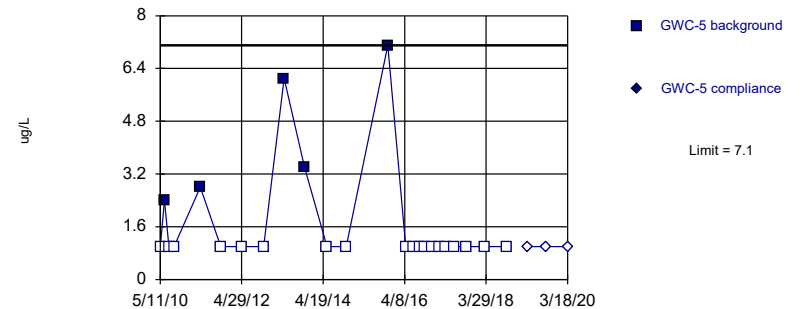


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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



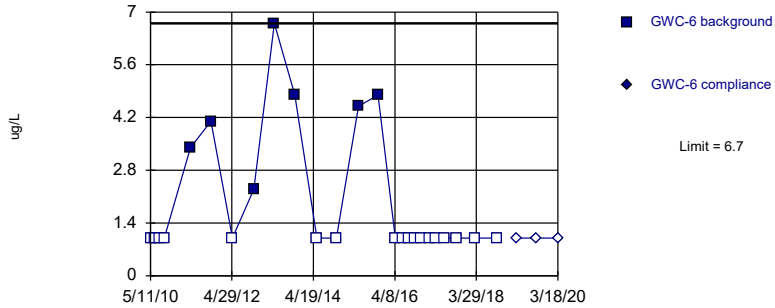
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 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



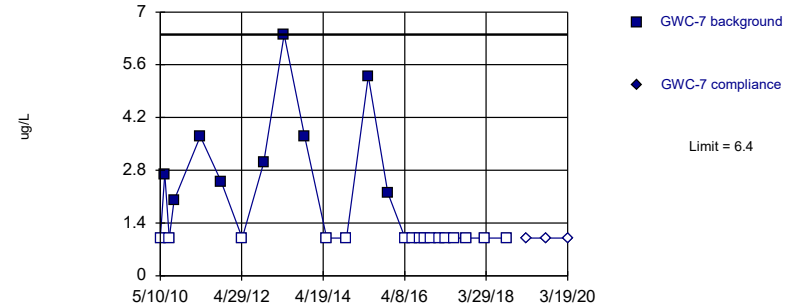
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



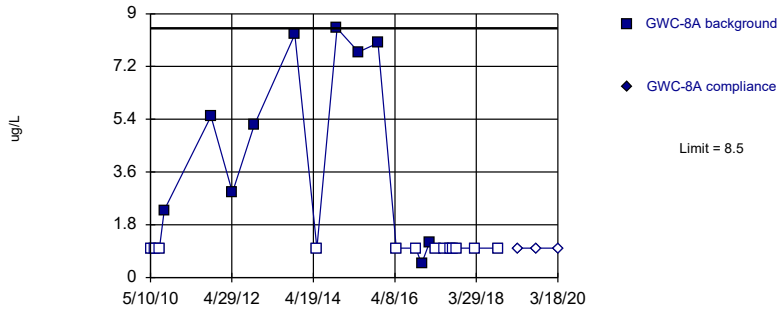
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



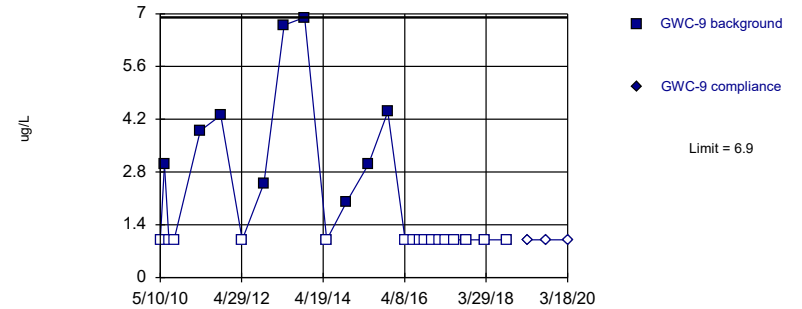
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead, Total Analysis Run 6/19/2020 9:36 AM View: State Parameters  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

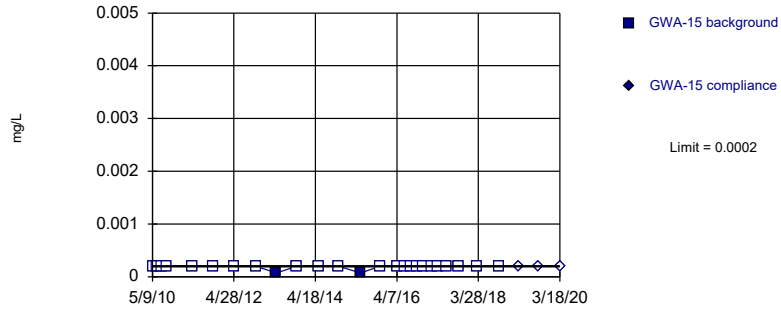


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 64% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

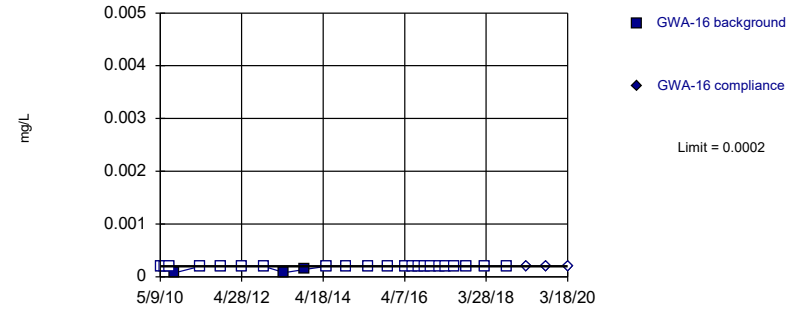


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

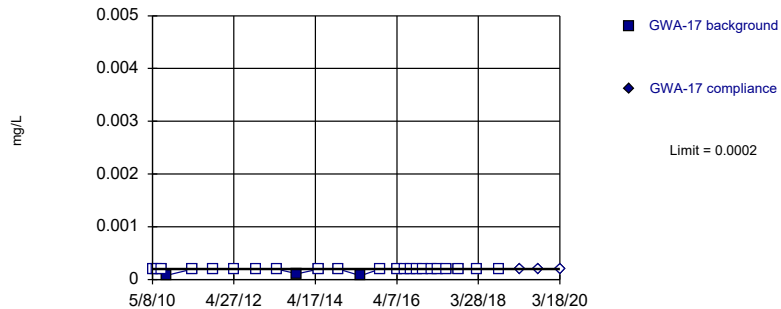


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

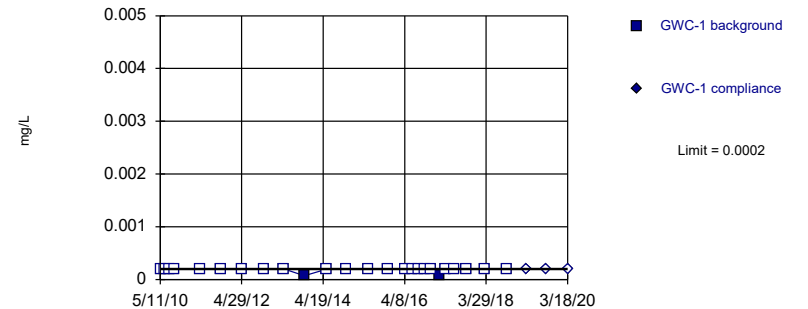


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

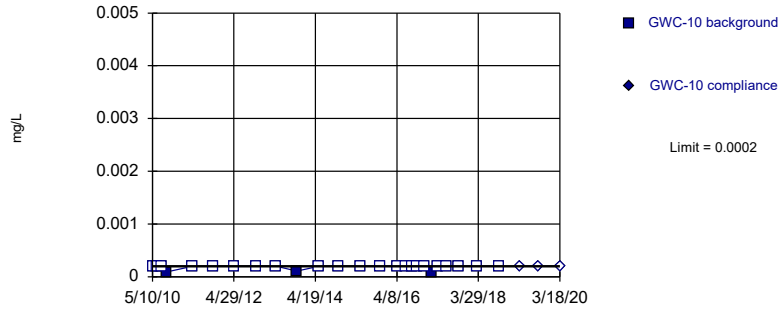


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

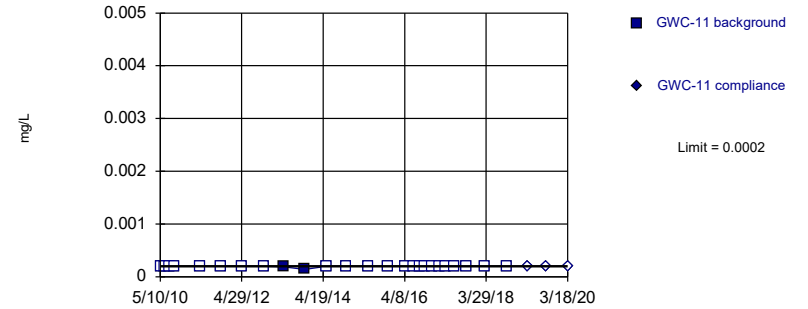


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

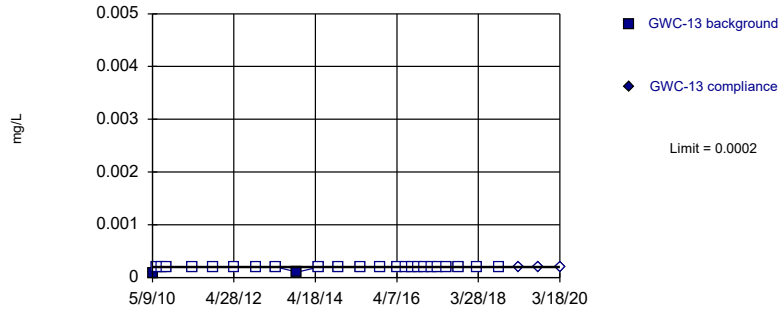


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

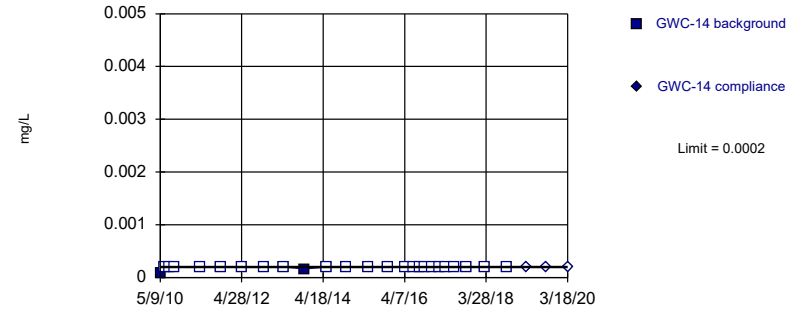


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

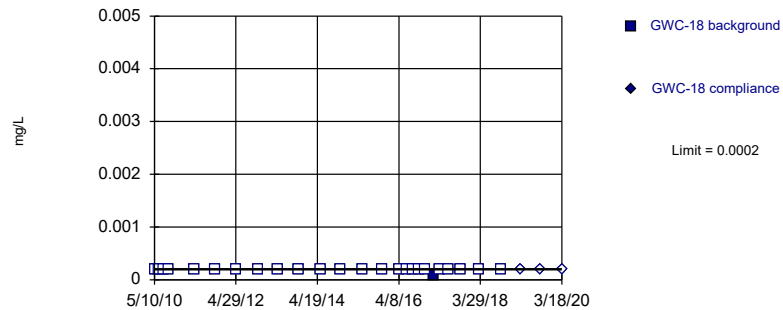


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

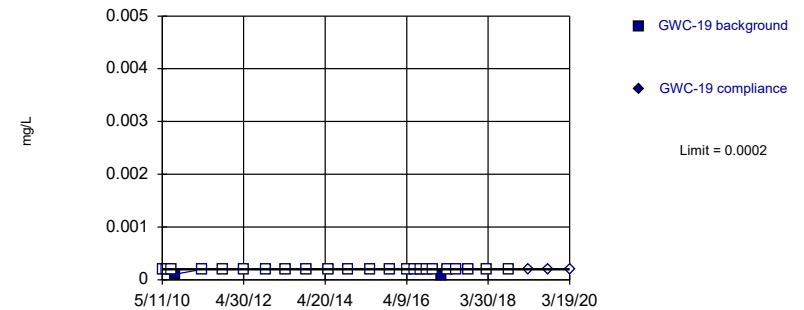


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

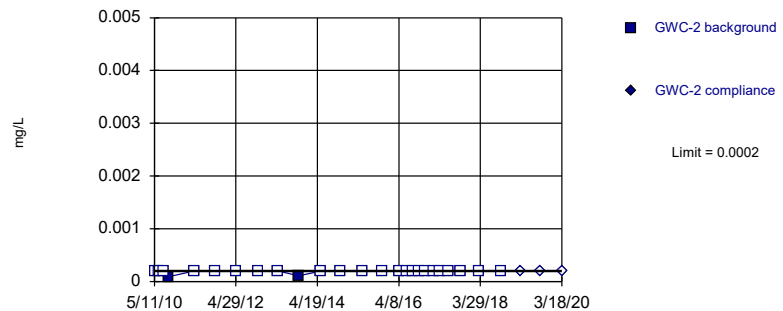


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

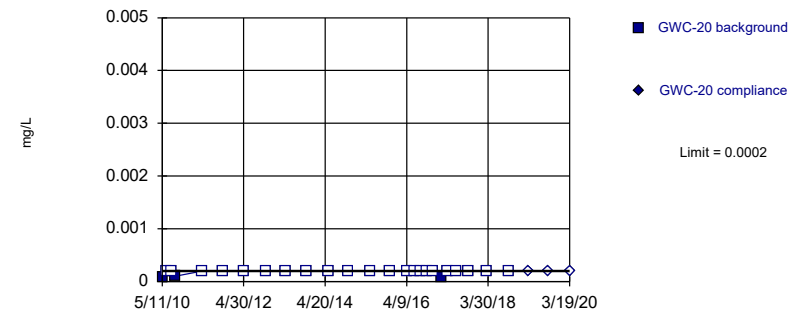


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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



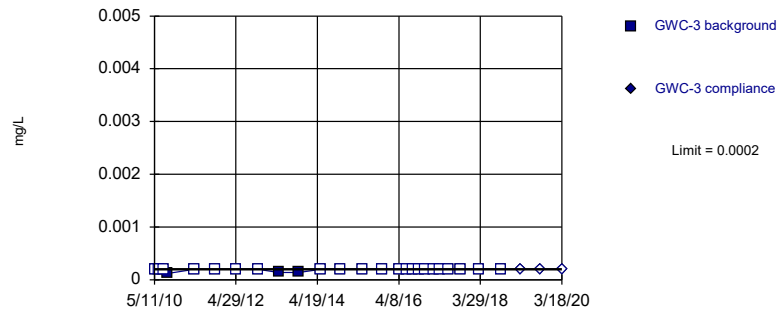
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

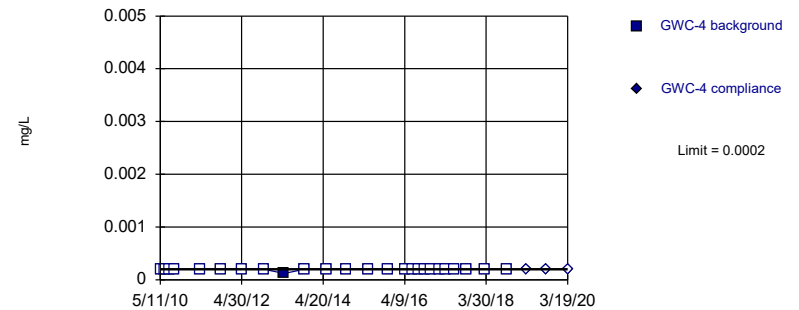


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

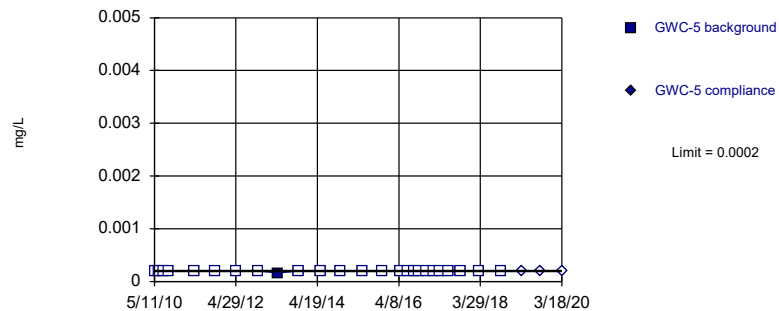


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

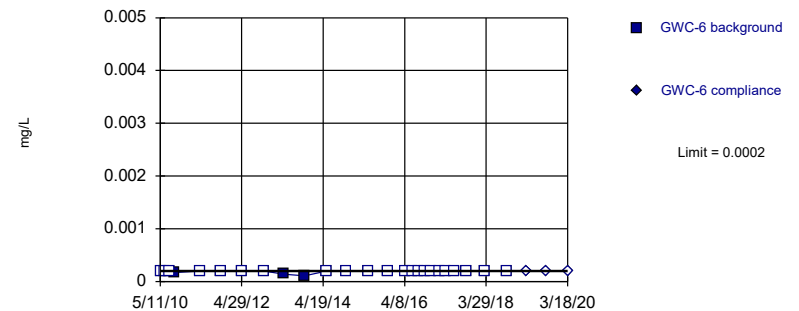


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

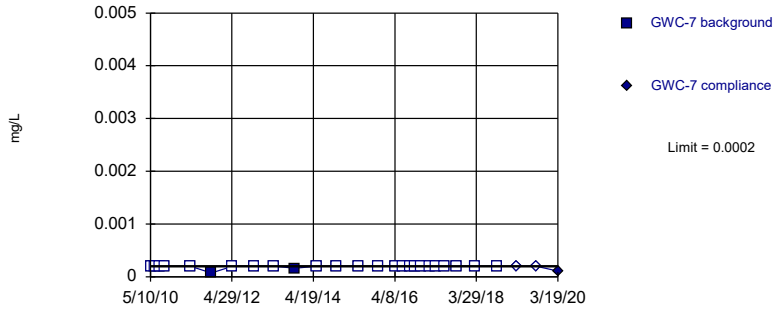


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

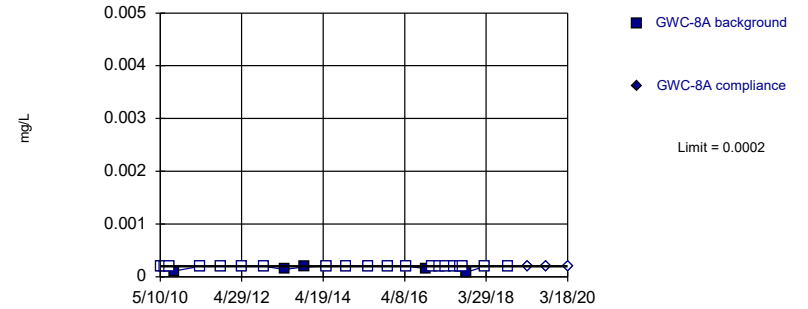


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

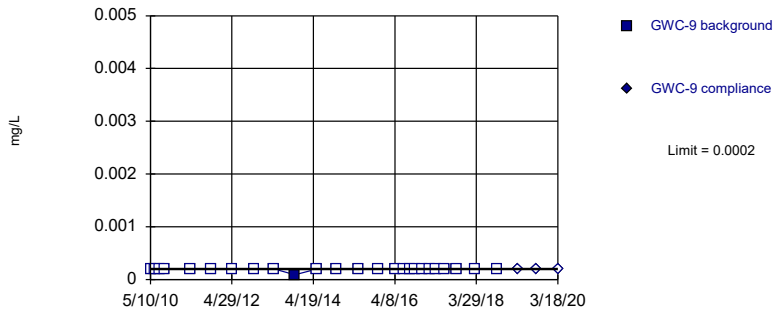


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

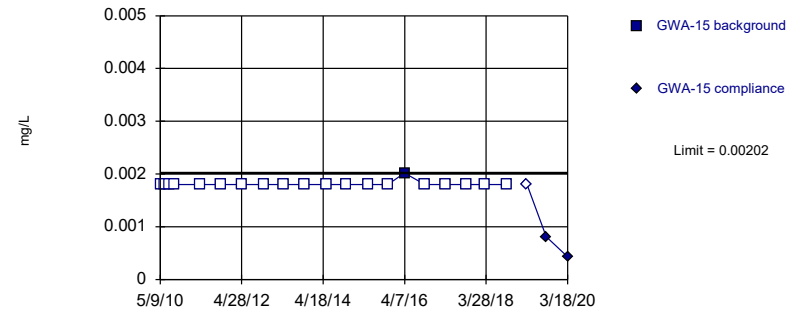


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

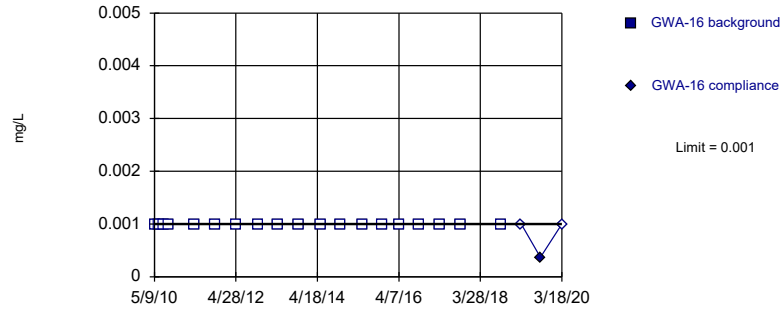


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

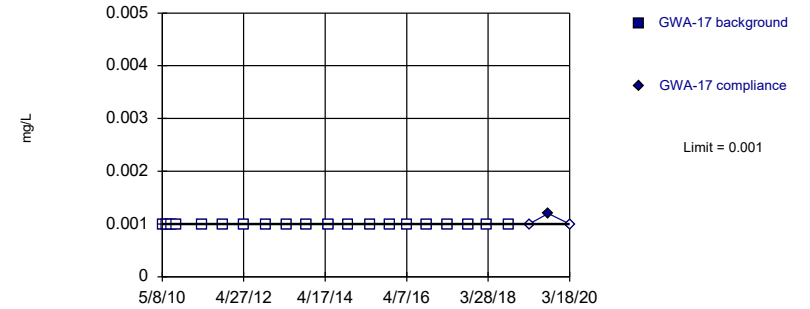


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

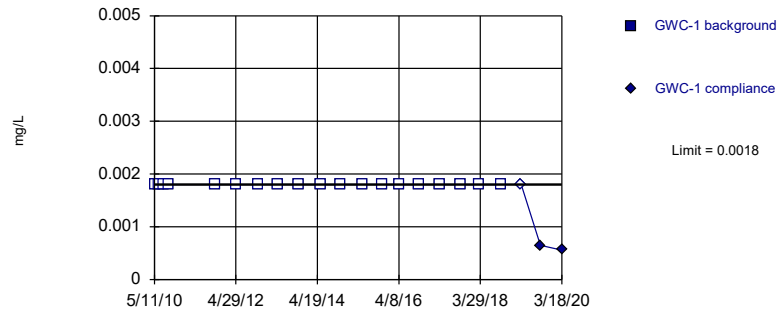


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

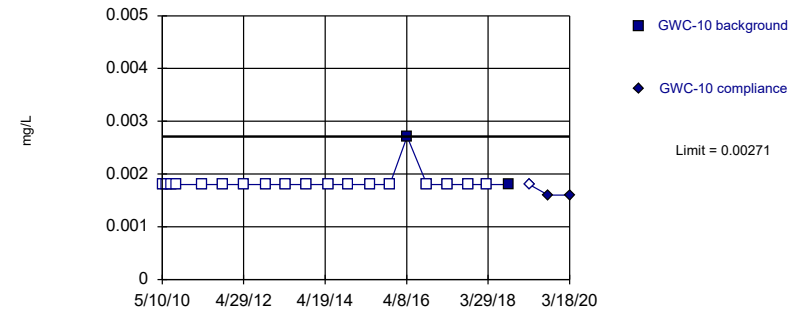


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

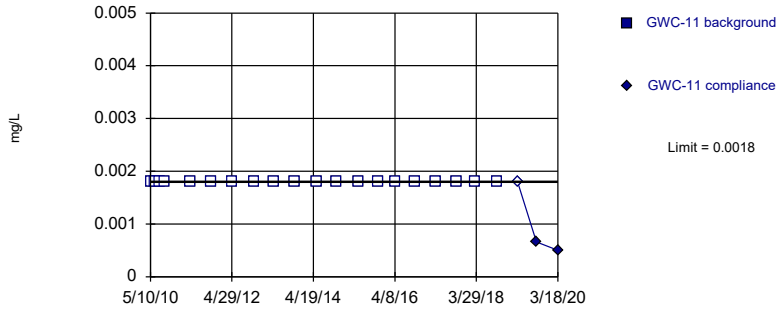


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

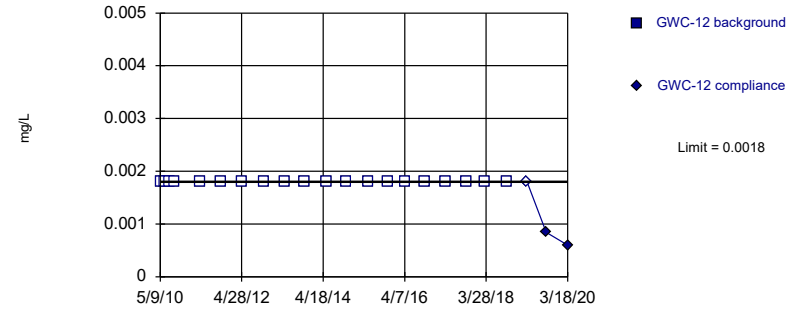


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

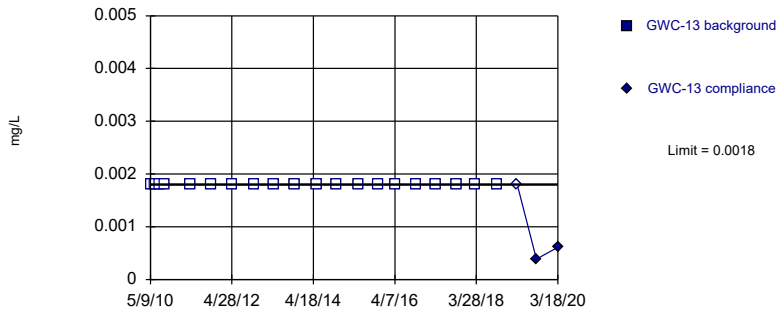


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

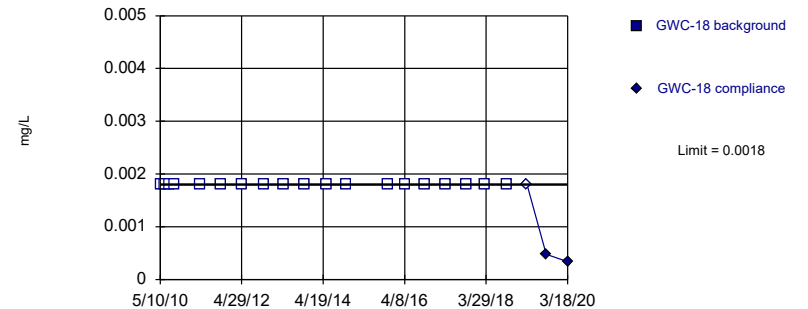


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

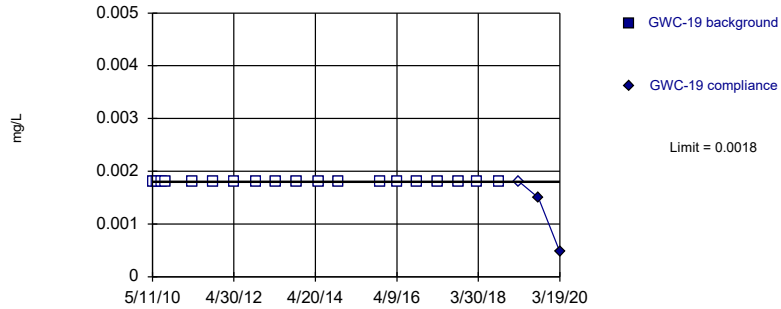


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

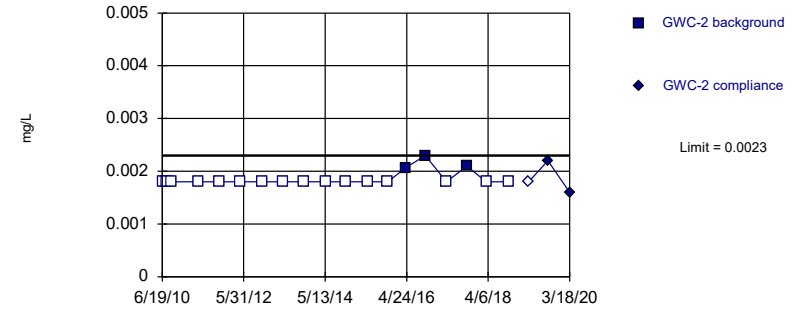


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

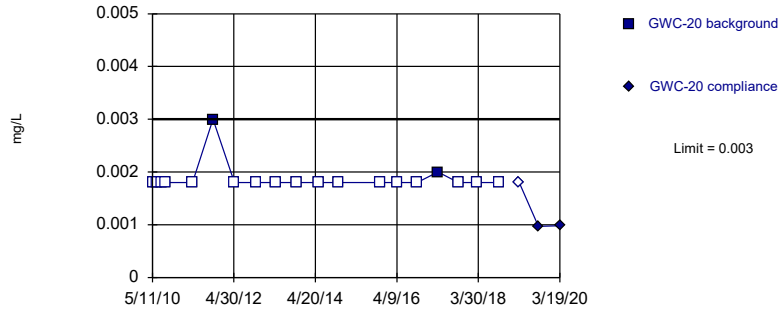


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

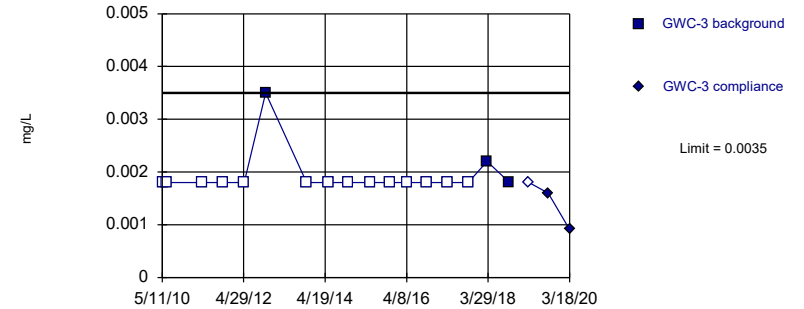


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

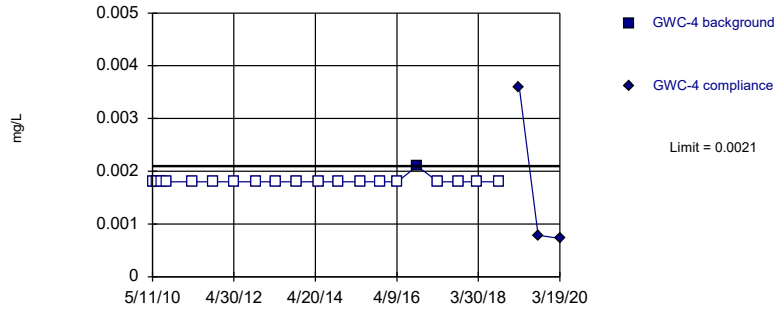


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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

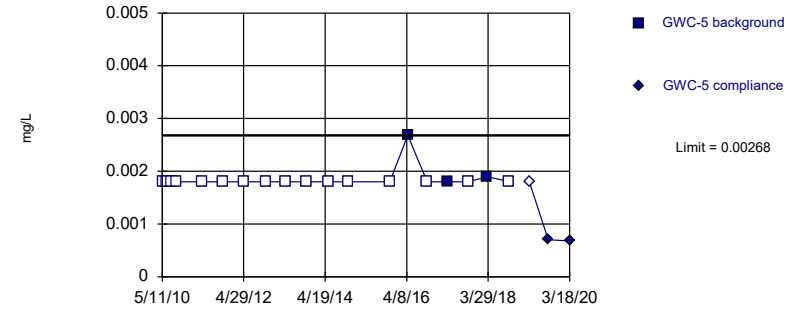


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

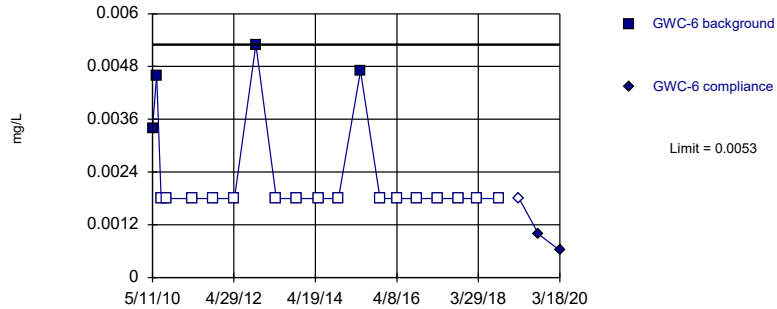


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

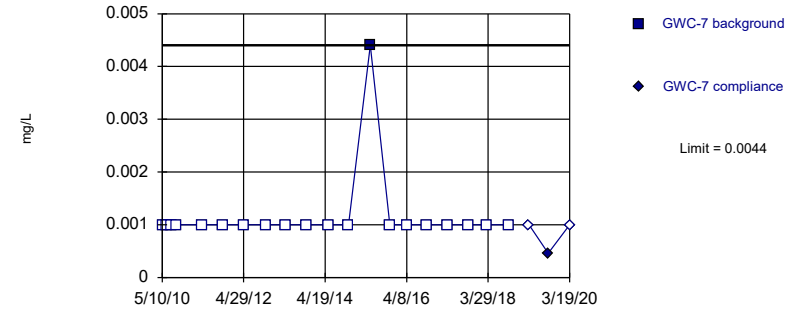


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 80% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

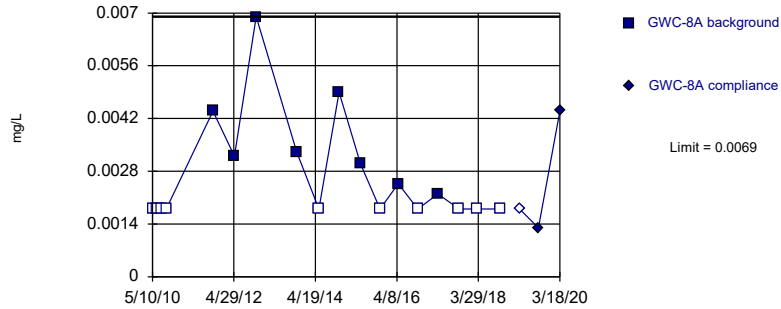


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

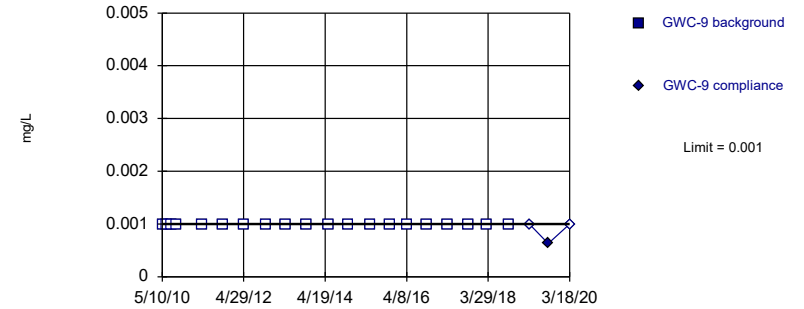


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

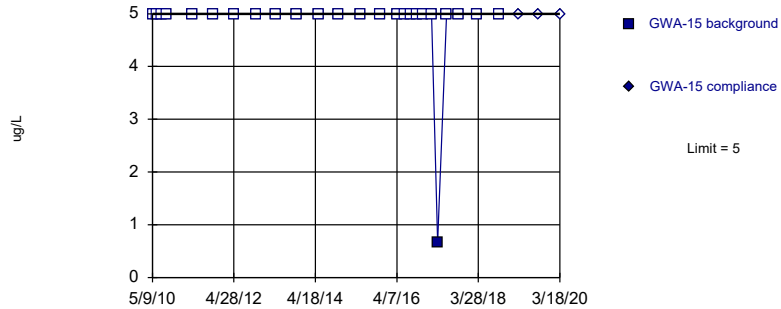


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

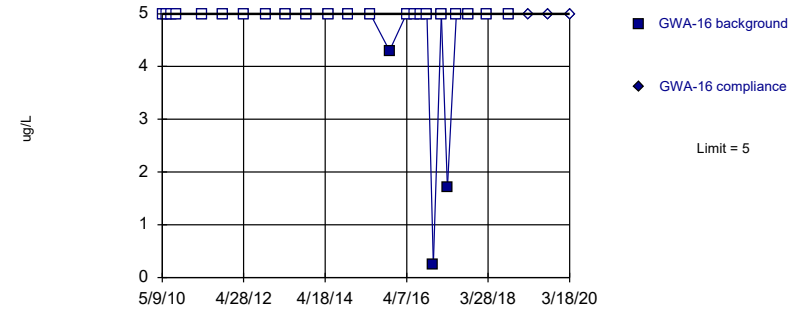


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

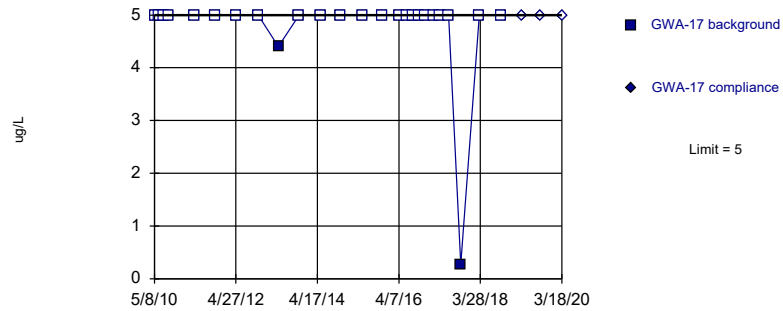


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

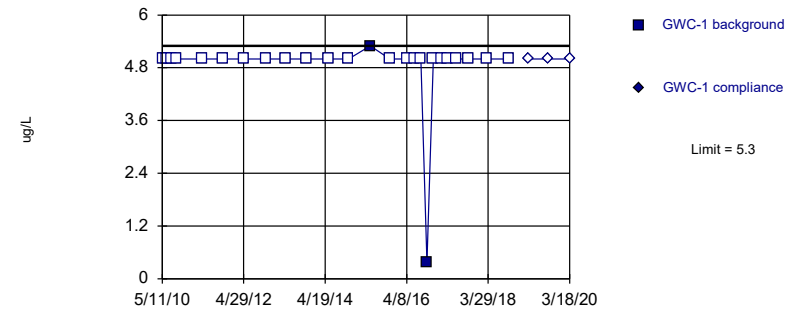


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

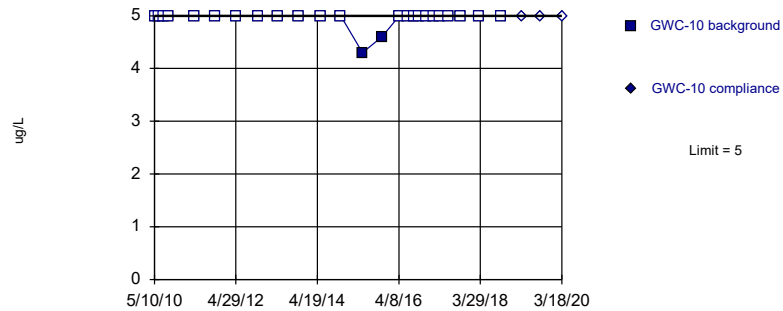


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

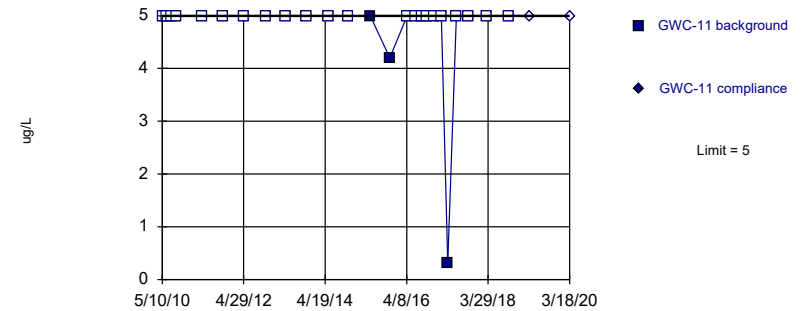


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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



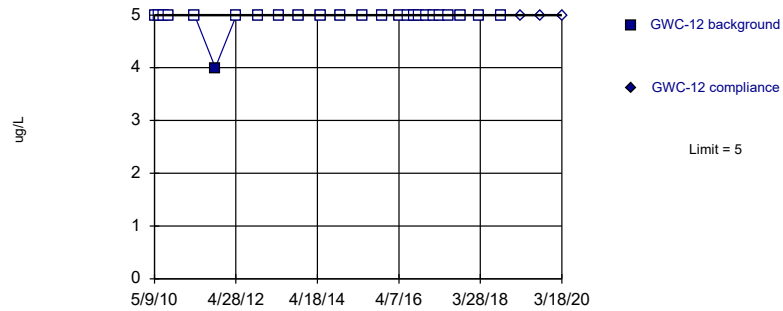
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

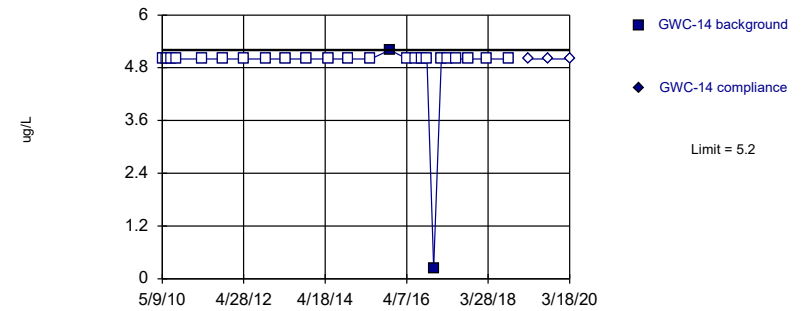


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

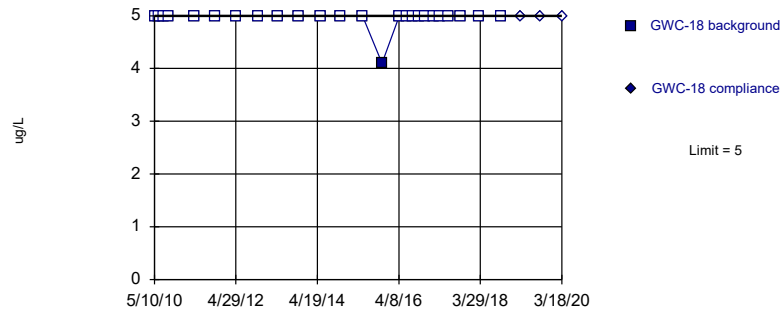


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

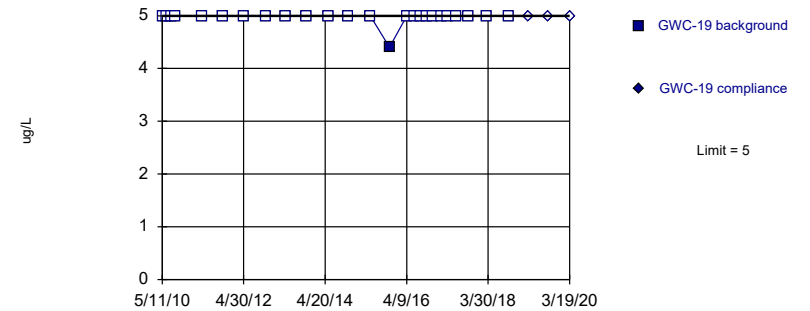


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

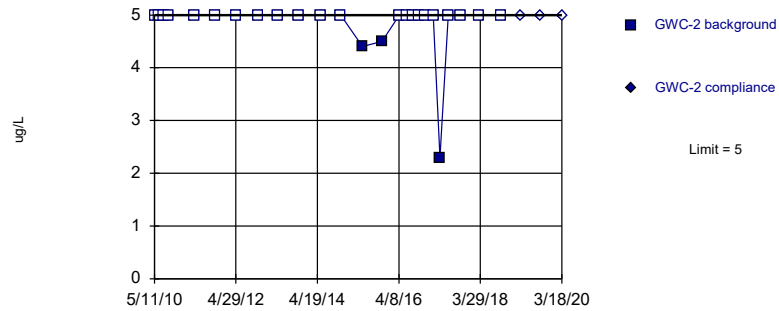


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

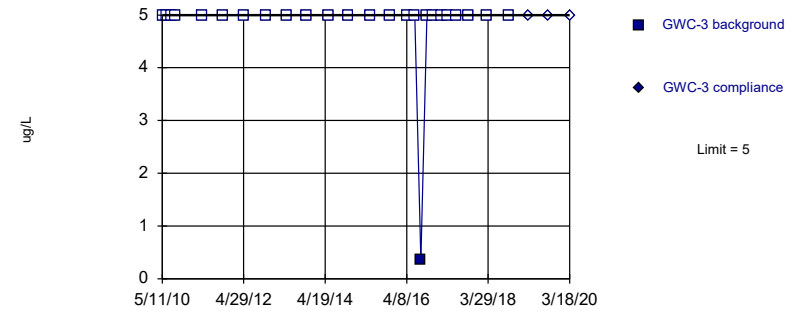


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

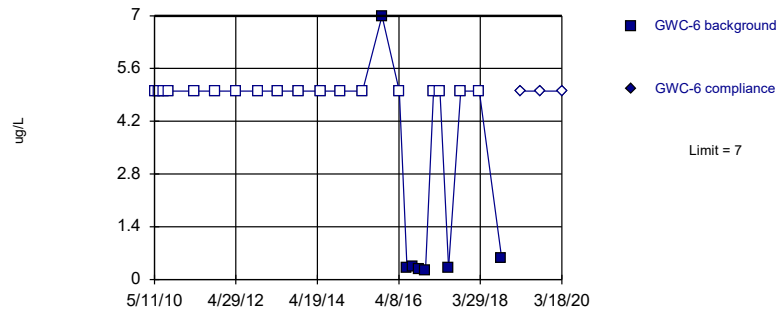


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

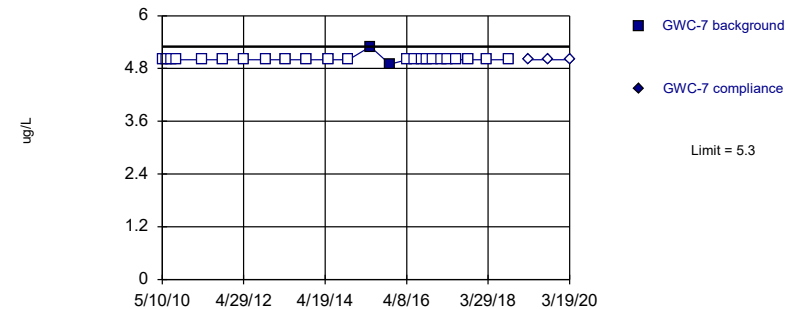


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

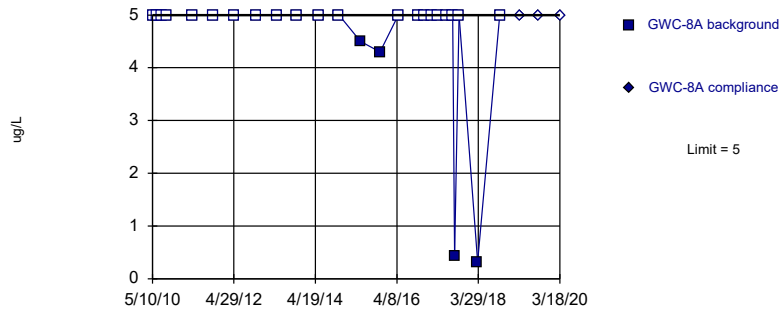


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

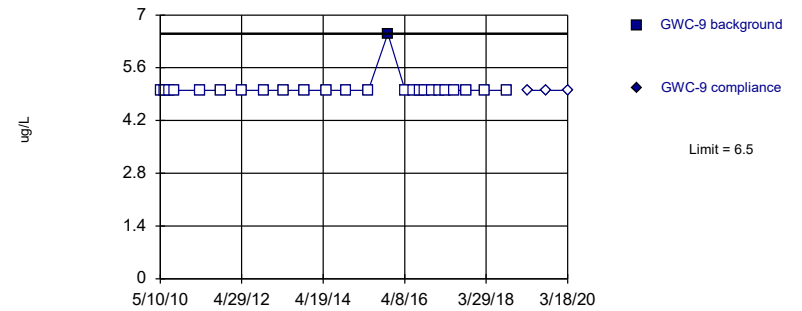


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

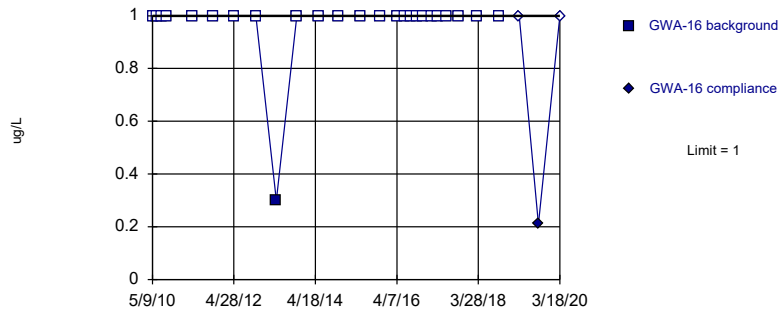


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

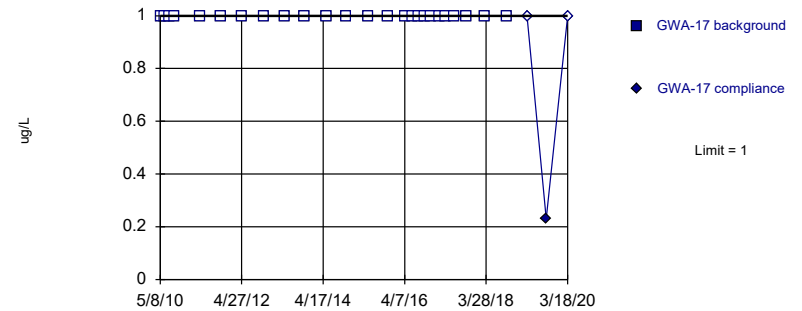


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

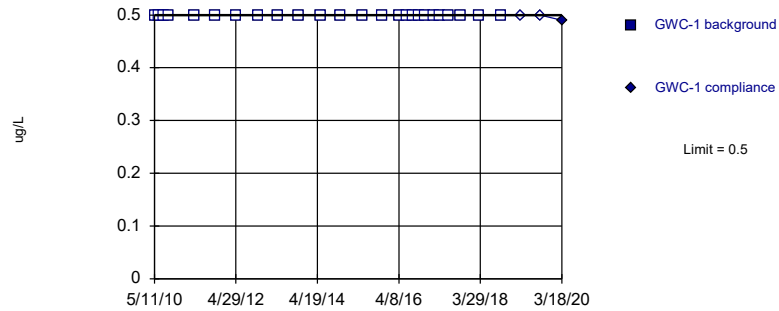


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

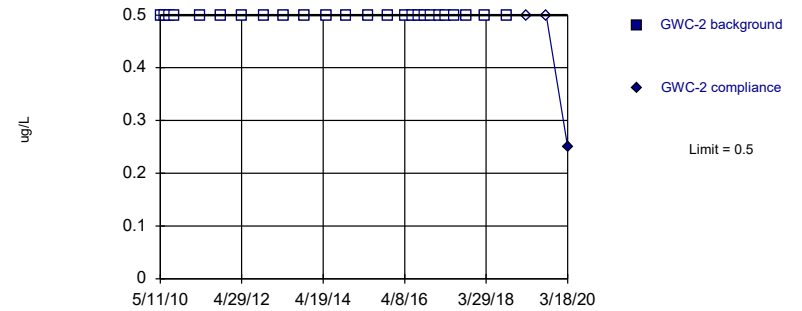


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

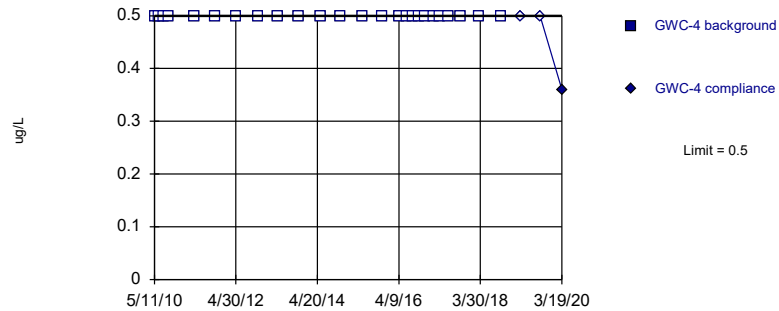


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

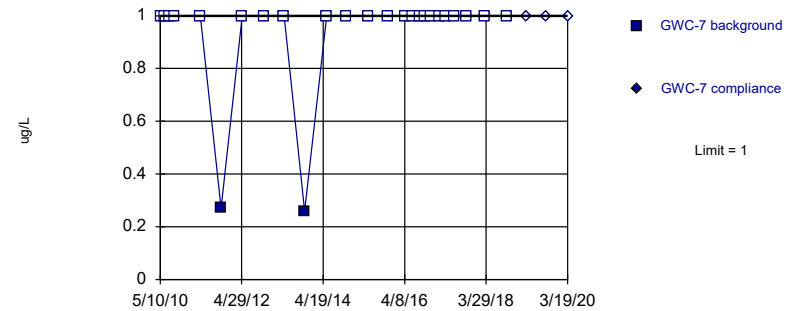


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

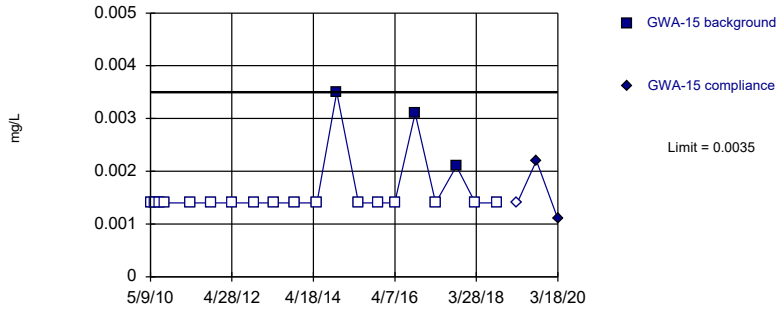


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

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

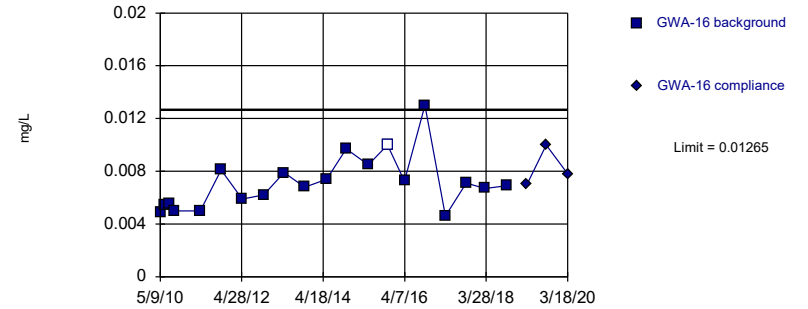


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

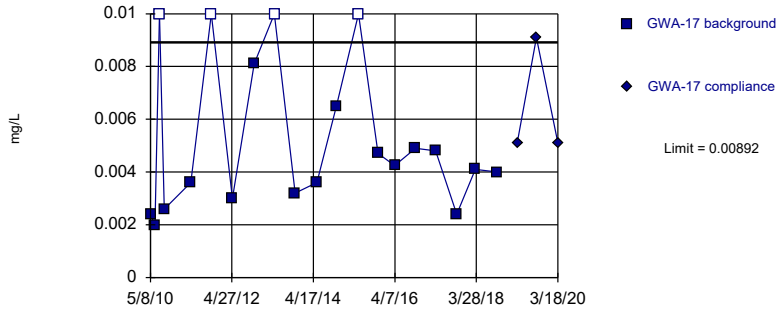


Background Data Summary: Mean=0.007093, Std. Dev.=0.002072, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9002, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

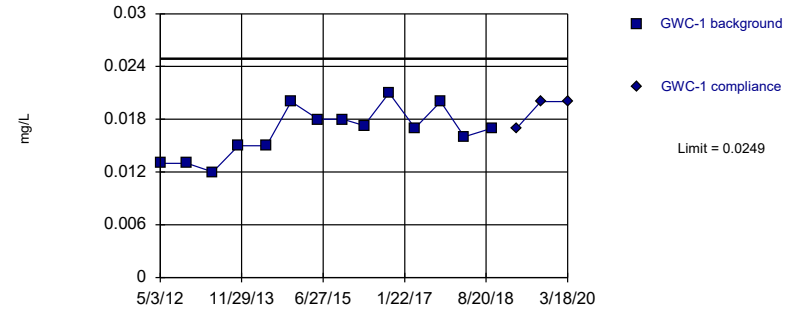


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06136, Std. Dev.=0.01234, n=20, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8809, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

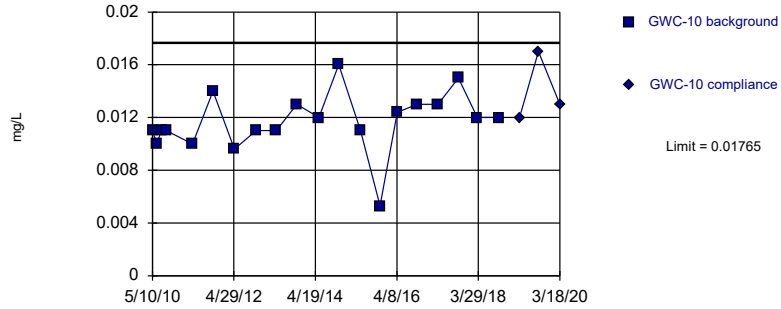


Background Data Summary: Mean=0.01659, Std. Dev.=0.00277, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.825. Kappa = 2.999 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

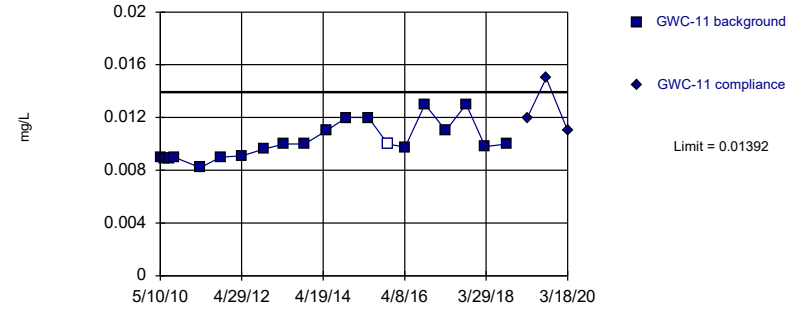


Background Data Summary: Mean=0.01167, Std. Dev.=0.002231, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9193, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

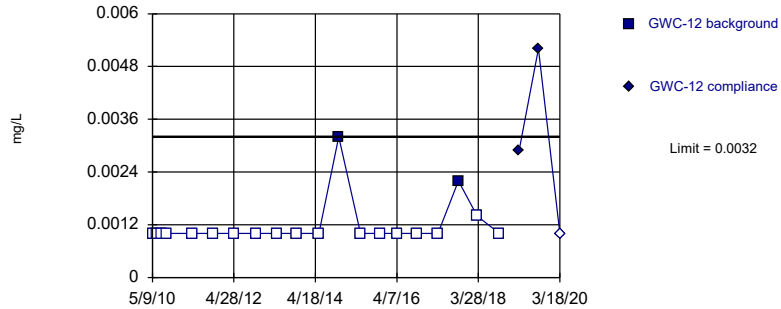


Background Data Summary: Mean=0.01016, Std. Dev.=0.001399, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8876, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

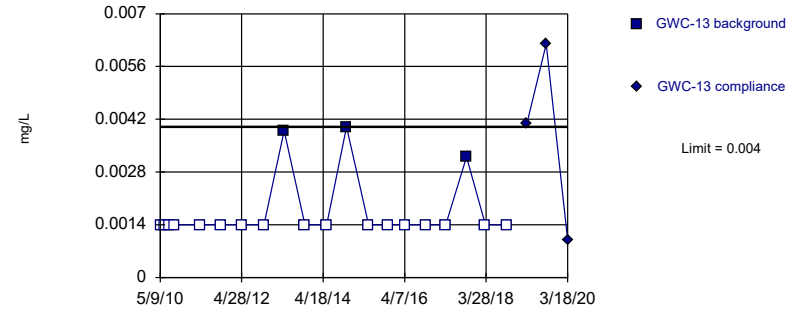


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

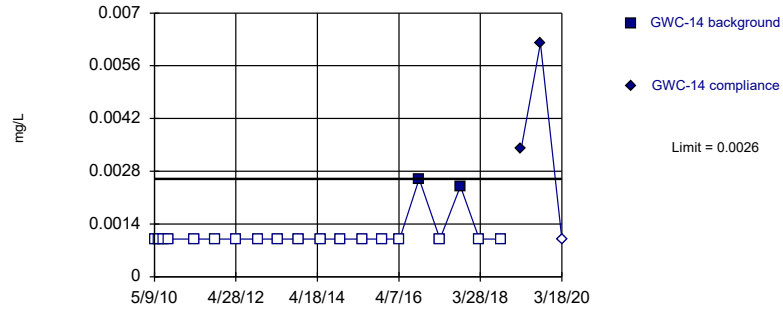


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 85% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

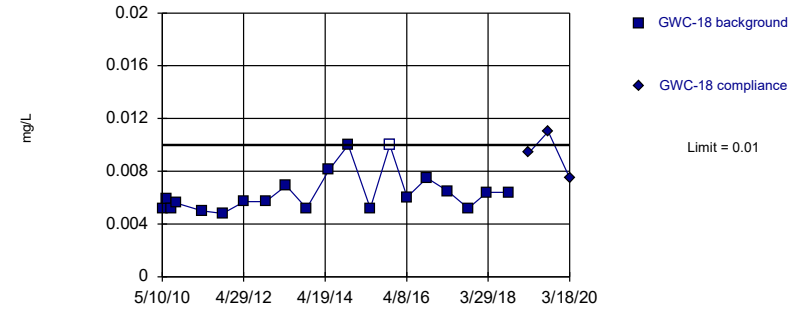


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

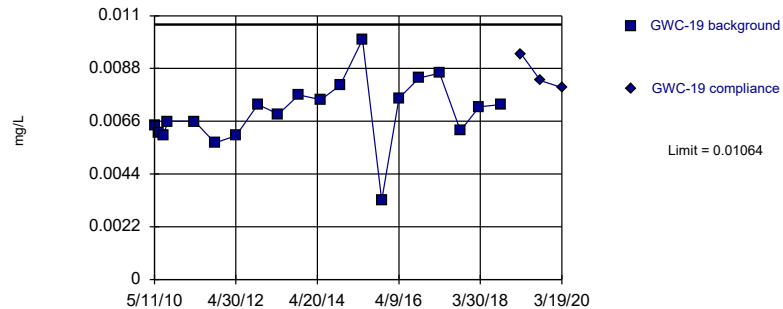


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 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

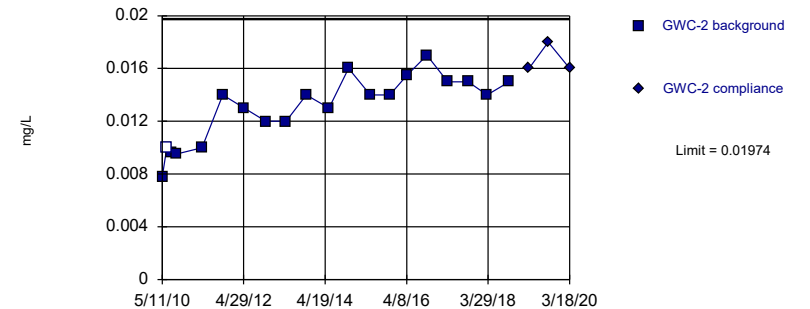


Background Data Summary: Mean=0.006973, Std. Dev.=0.001367, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9482, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

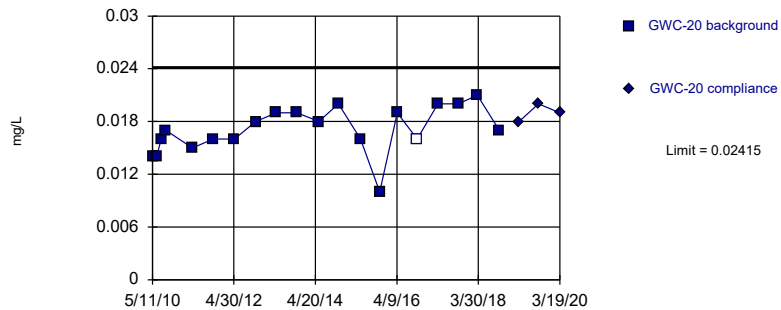


Background Data Summary: Mean=0.01302, Std. Dev.=0.002504, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9359, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

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

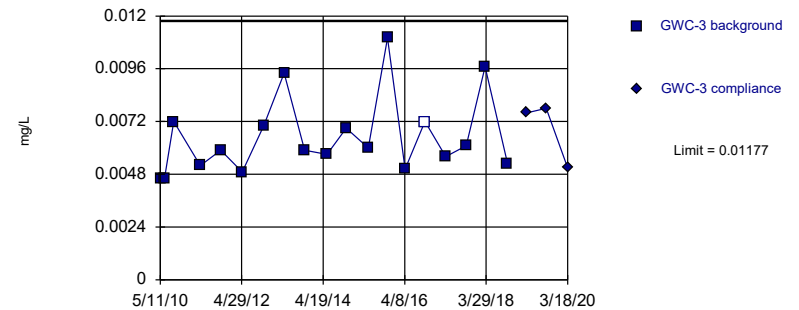


Background Data Summary: Mean=0.01705, Std. Dev.=0.002645, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 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

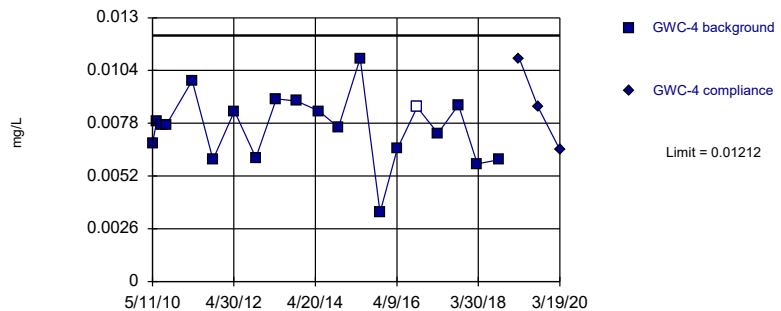


Background Data Summary (based on square root transformation): Mean=0.07988, Std. Dev.=0.01051, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8837, critical = 0.863. Kappa = 2.723 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 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

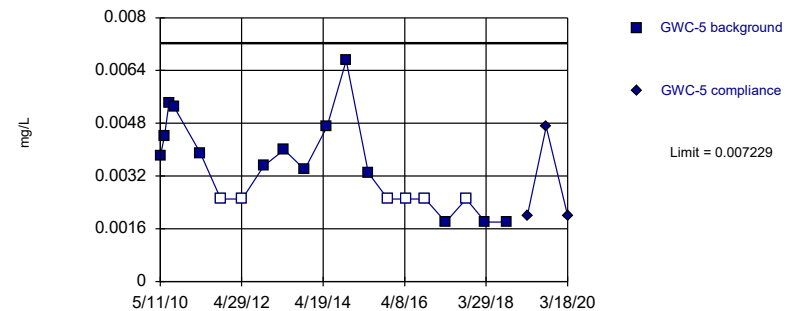


Background Data Summary: Mean=0.007587, Std. Dev.=0.001689, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.868. Kappa = 2.683 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002066.

Constituent: Vanadium Analysis Run 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 (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.

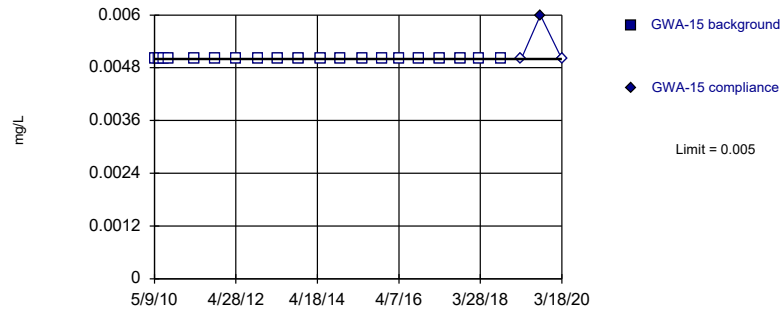
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR





Within Limit

Prediction Limit  
Intrawell Non-parametric

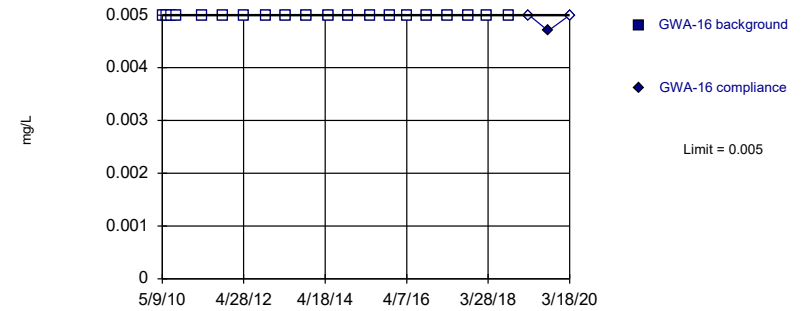


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

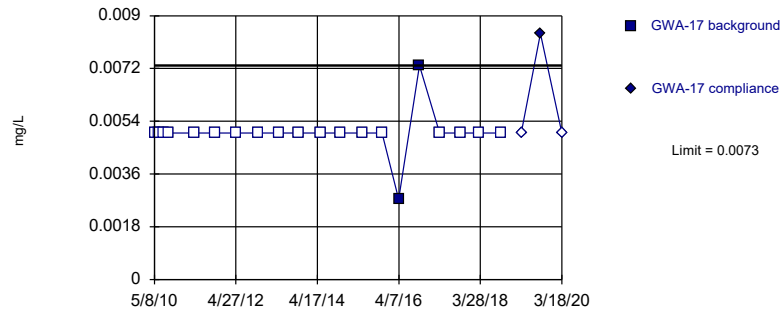


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

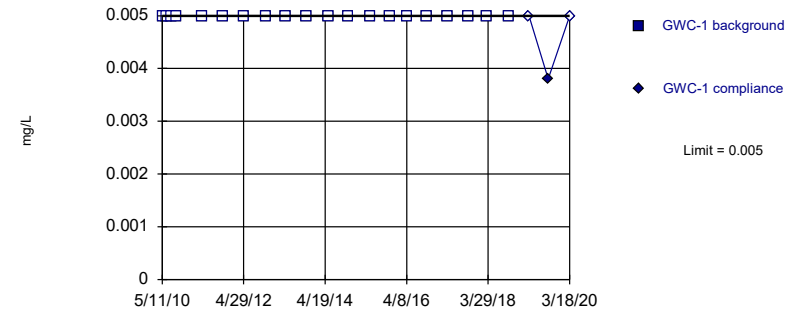


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

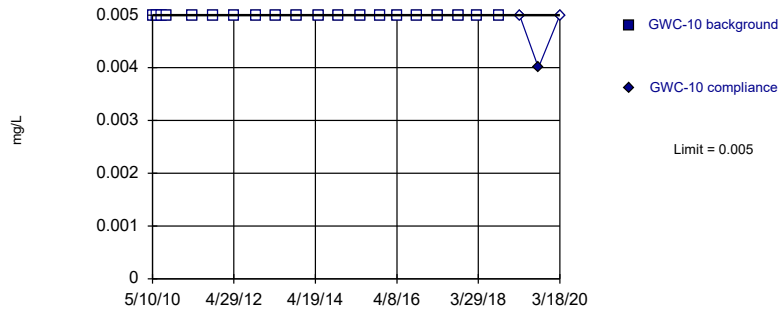


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

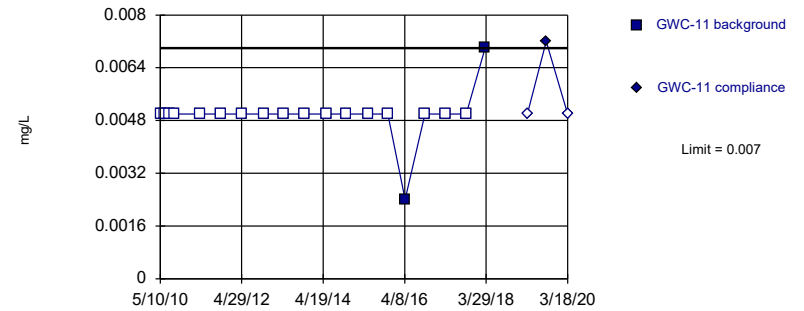


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

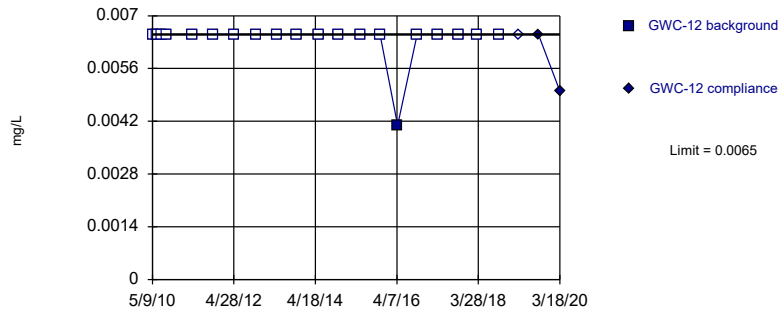


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

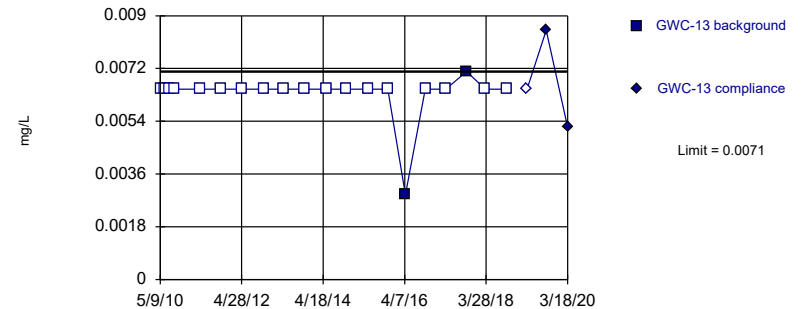


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

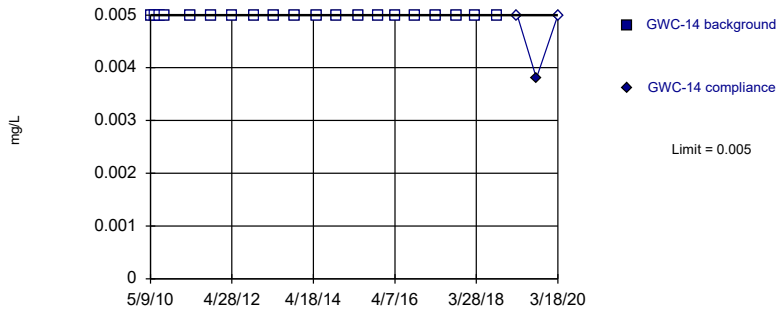


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

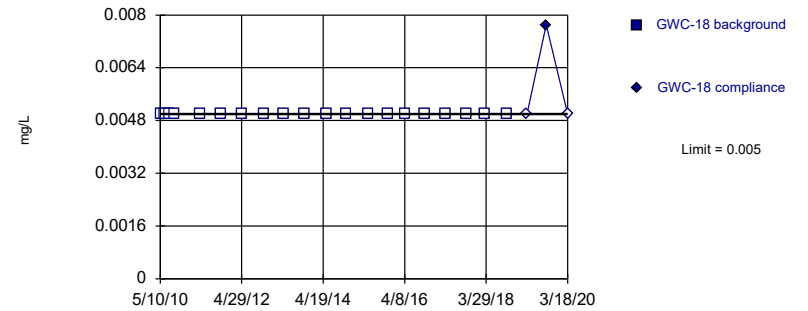


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

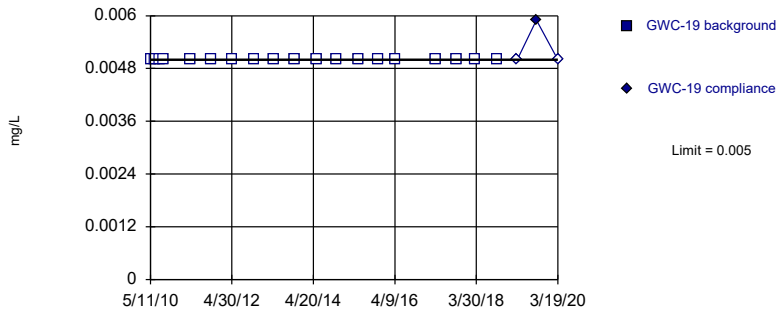


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

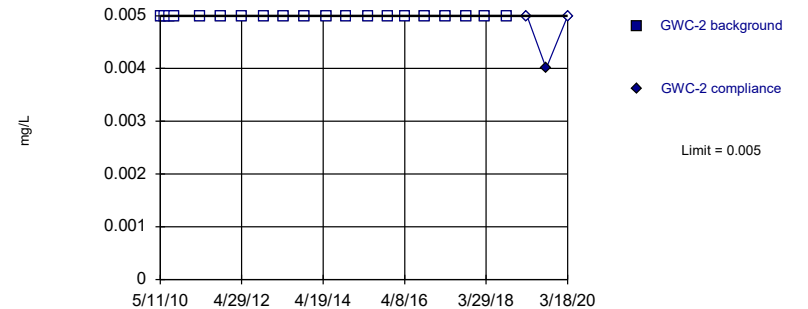


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

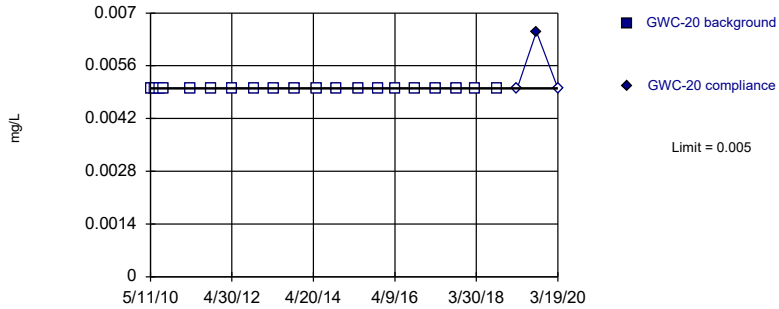


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

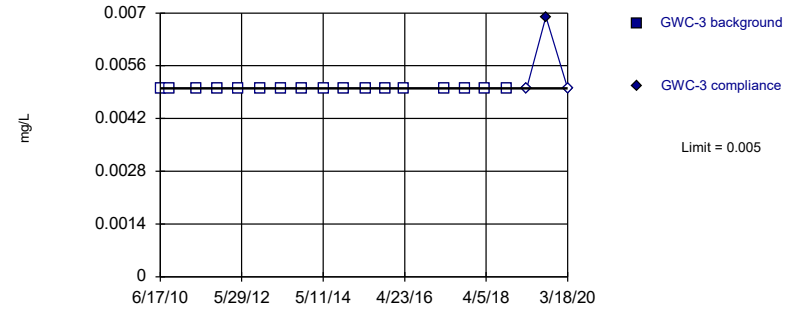


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

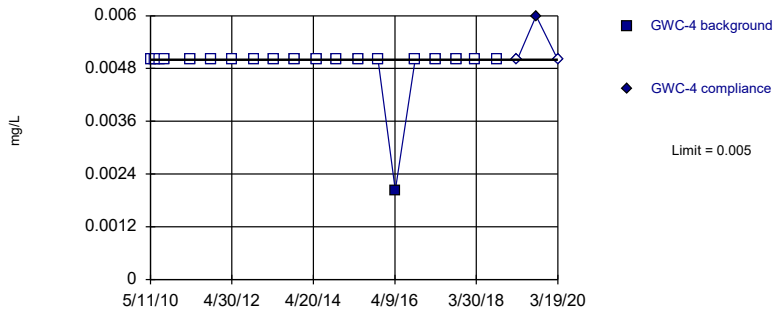


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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

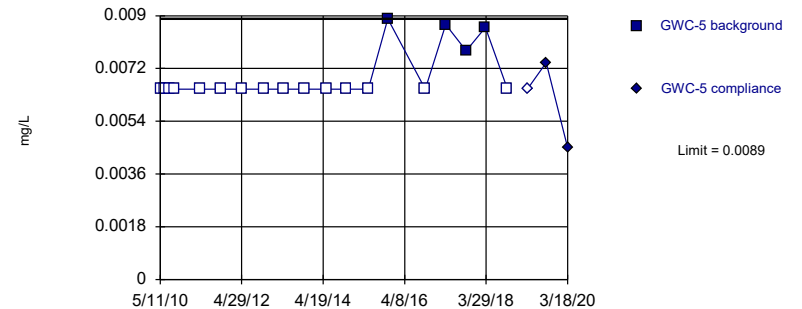


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

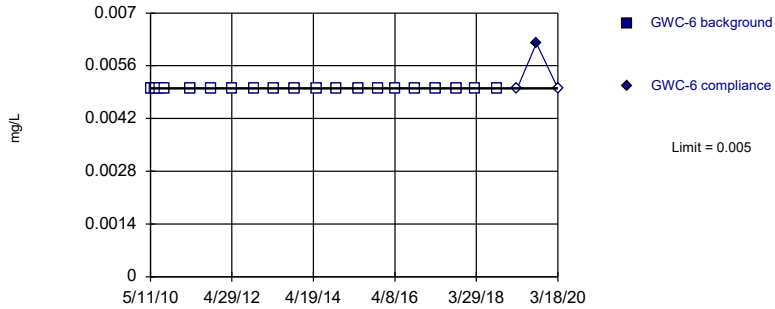


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

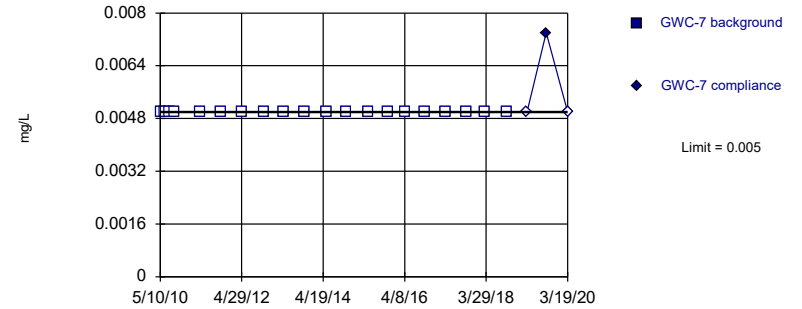


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

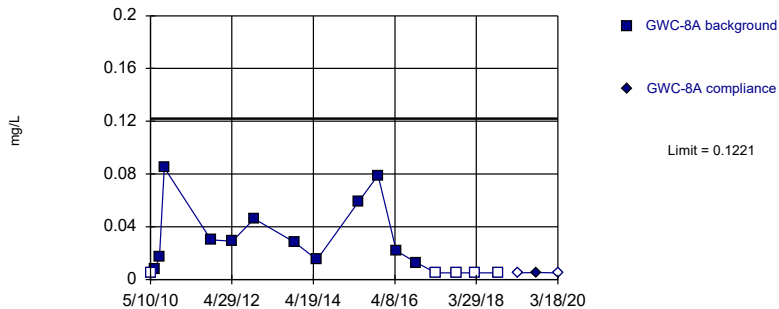


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 20) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

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

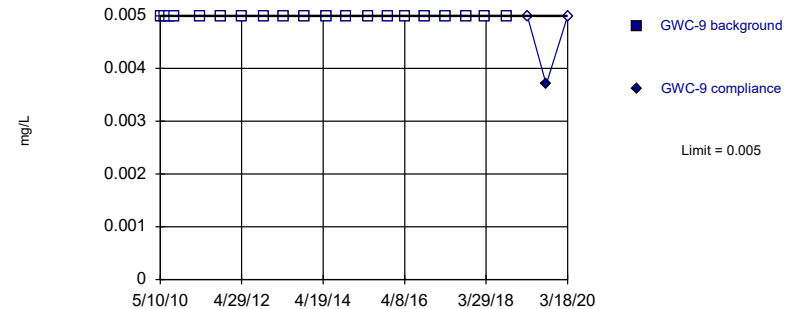


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.147, Std. Dev.=0.07218, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8862, critical = 0.851. Kappa = 2.804 (c=15, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 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

<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

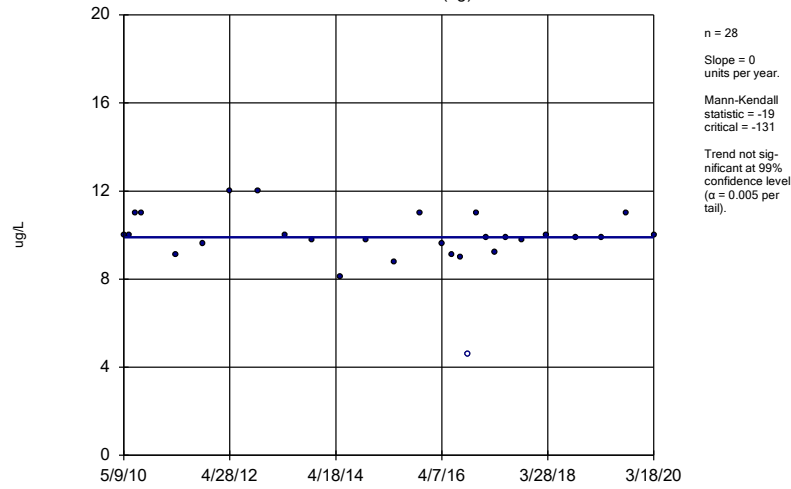
# State Parameters Trend Tests - All Results

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>

### Sen's Slope Estimator

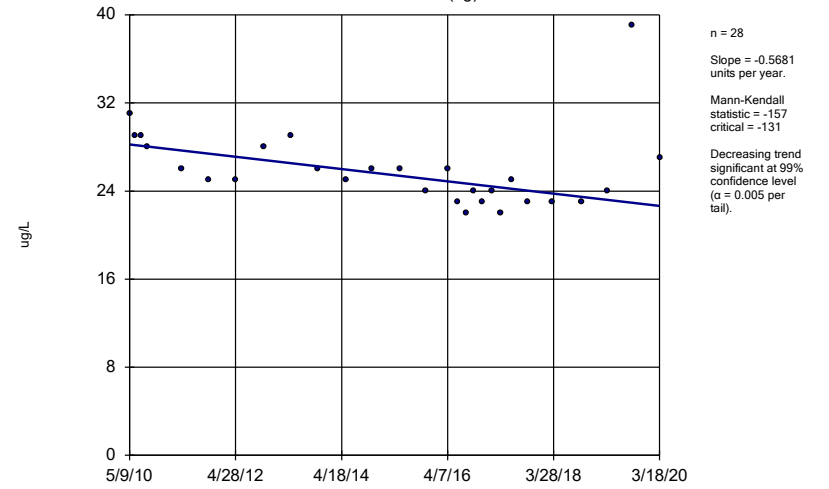
GWA-15 (bg)



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

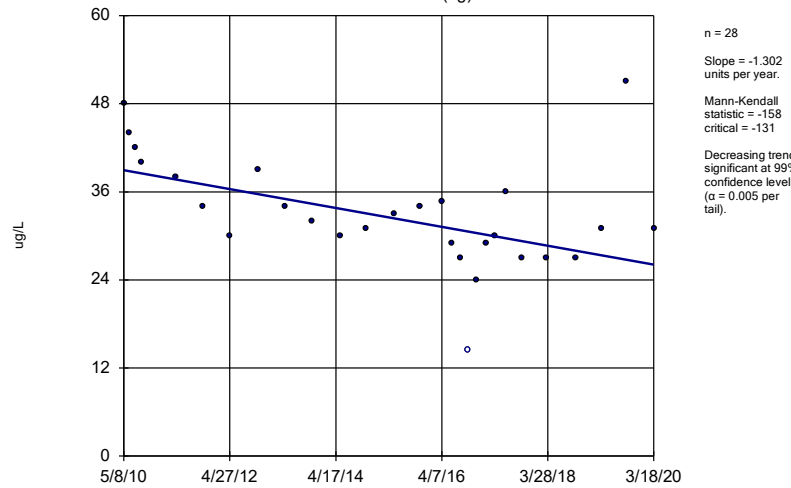
GWA-16 (bg)



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

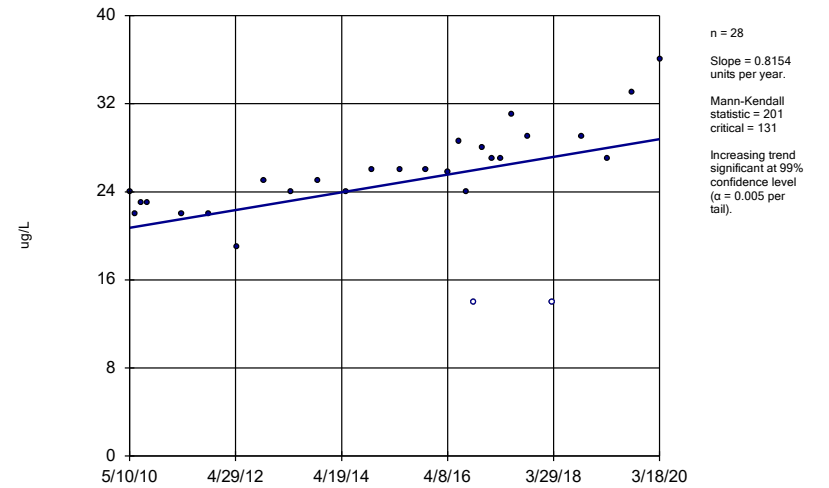
GWA-17 (bg)



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

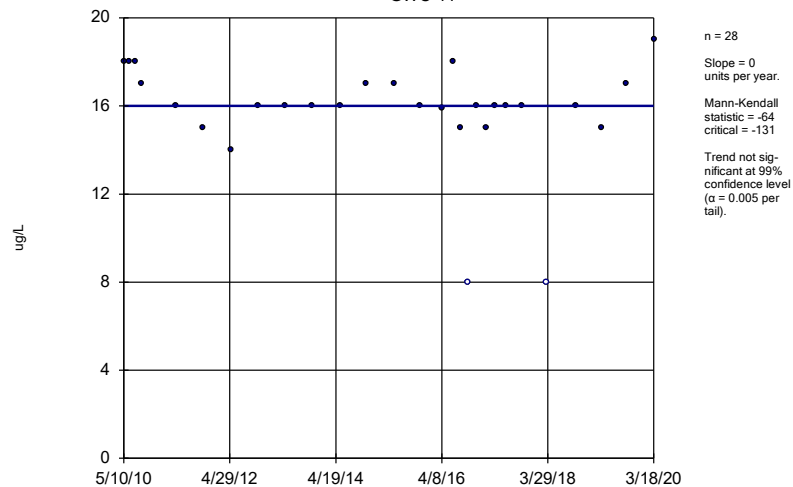
GWC-10



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

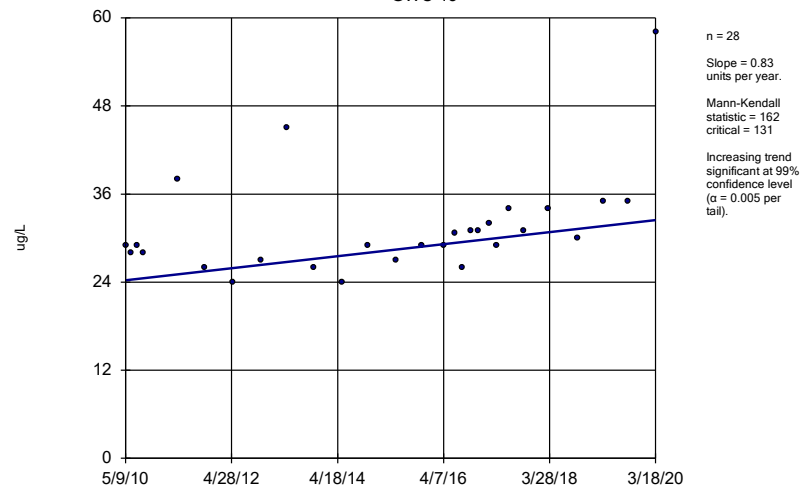
GWC-11



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

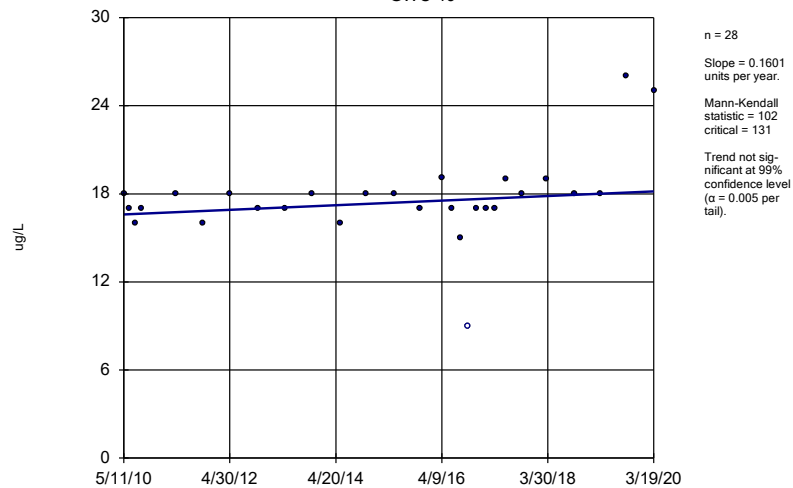
GWC-13



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

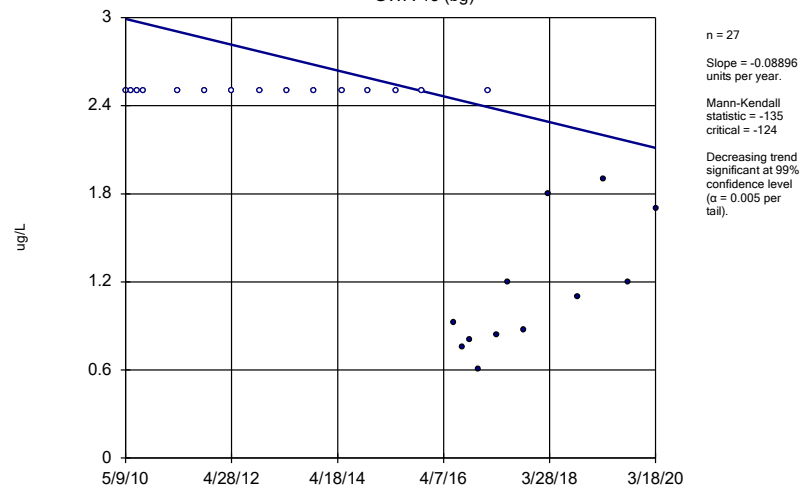
GWC-19



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

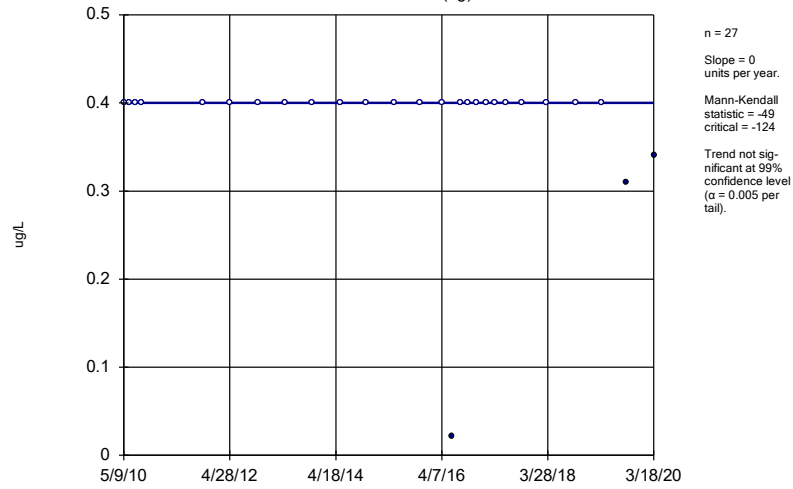
### Sen's Slope Estimator

GWA-15 (bg)



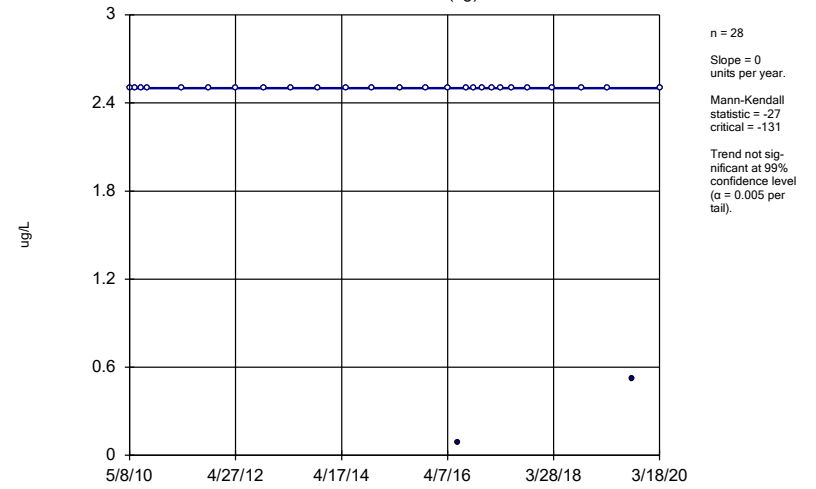
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



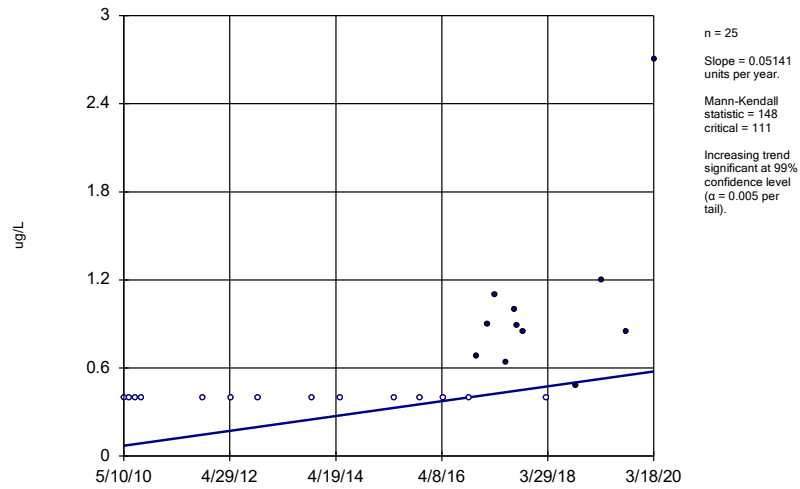
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



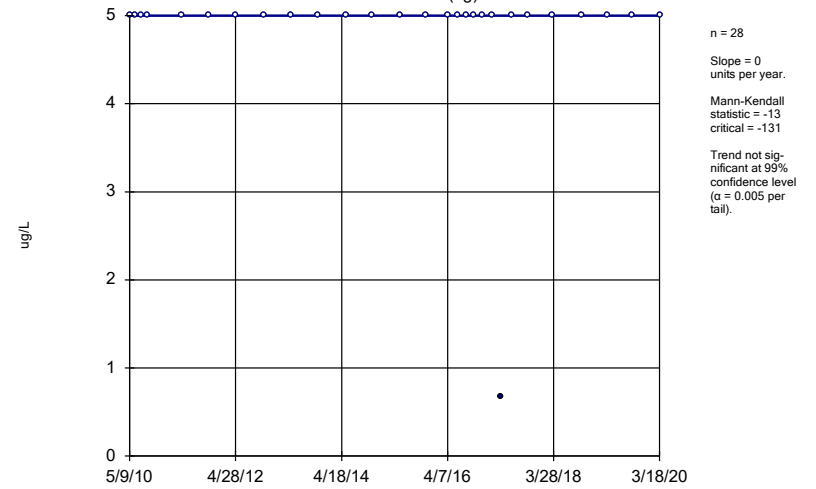
Constituent: Cobalt, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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)

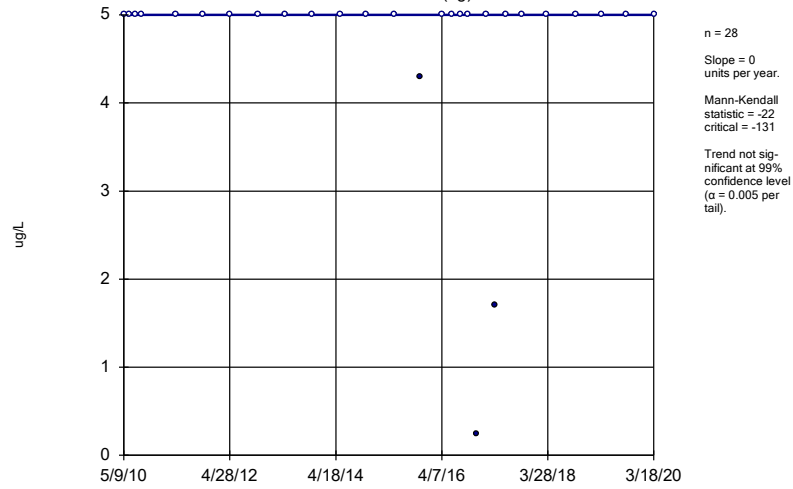


Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR



### Sen's Slope Estimator

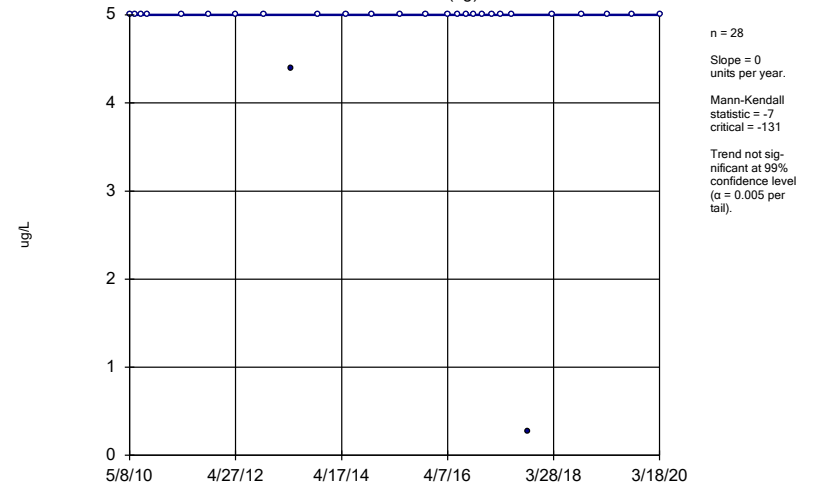
GWA-16 (bg)



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

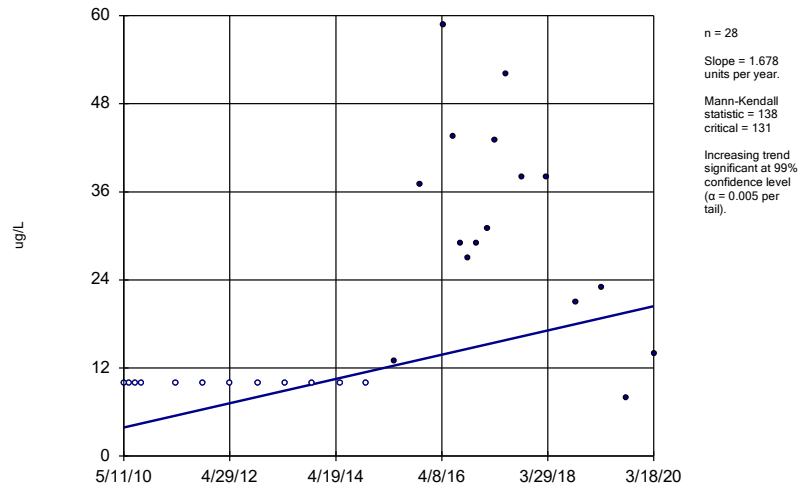
GWA-17 (bg)



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



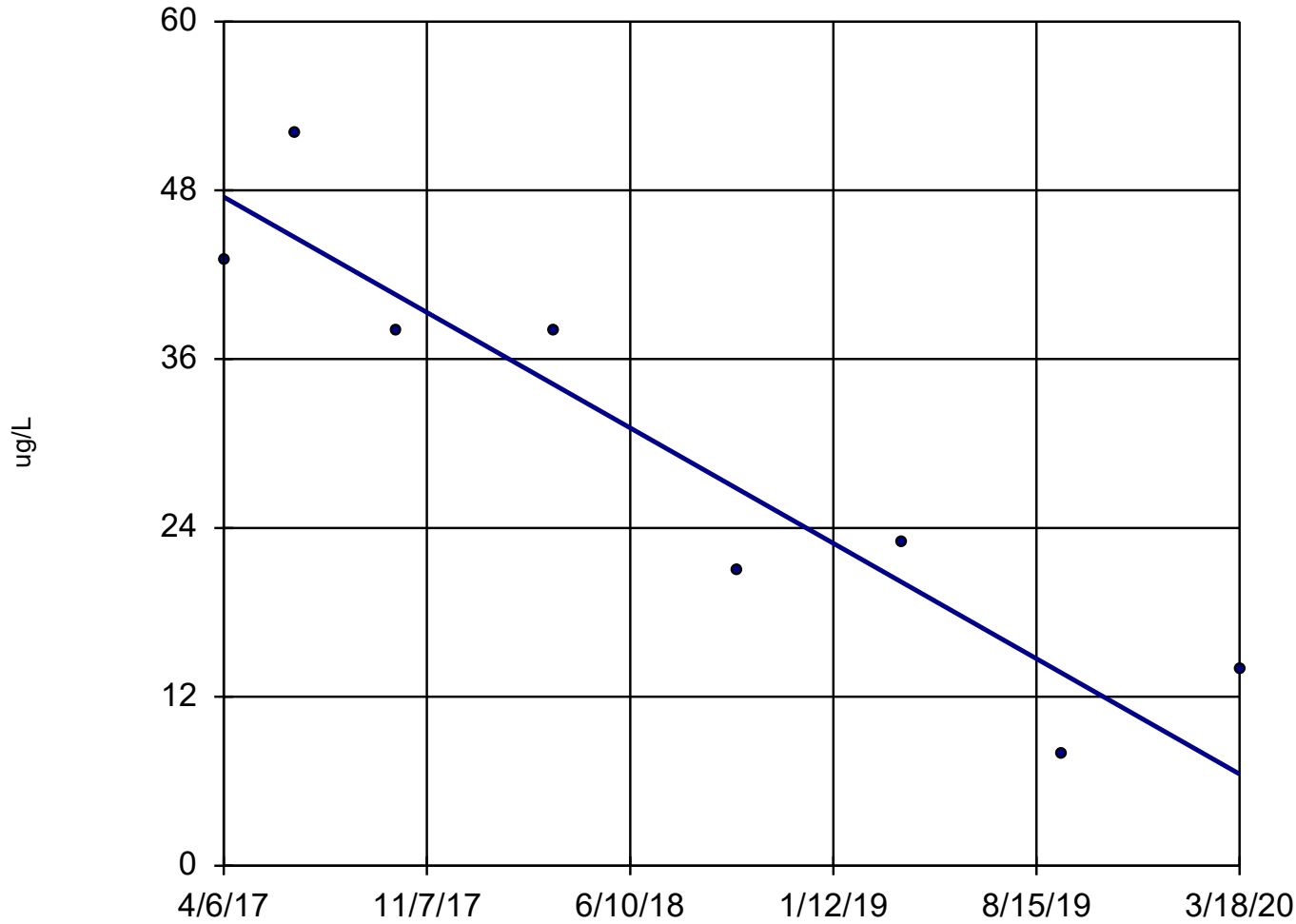
Constituent: Selenium, Total Analysis Run 6/19/2020 9:53 AM View: State Parameters - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

# 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	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

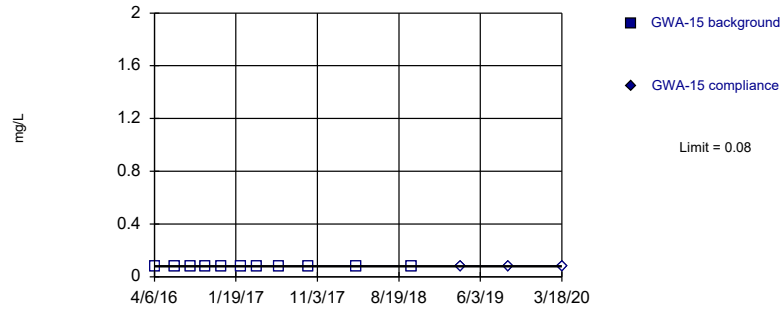
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/19/2020, 9:24 AM

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



Within Limit

Prediction Limit  
Intrawell Non-parametric

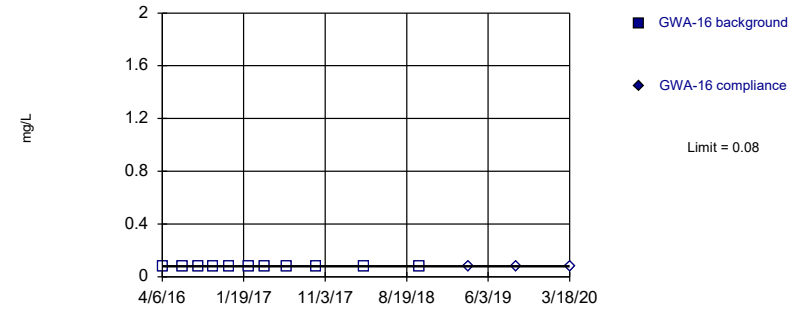


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

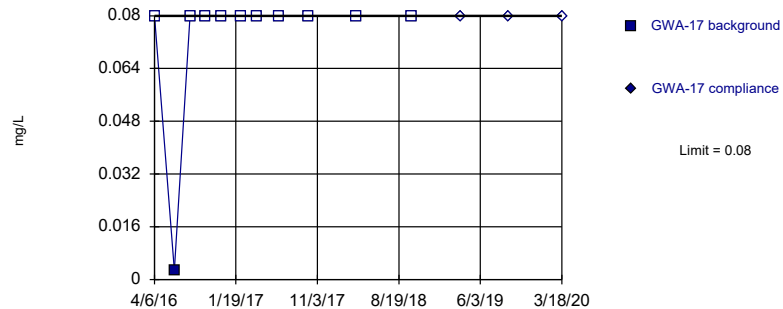


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

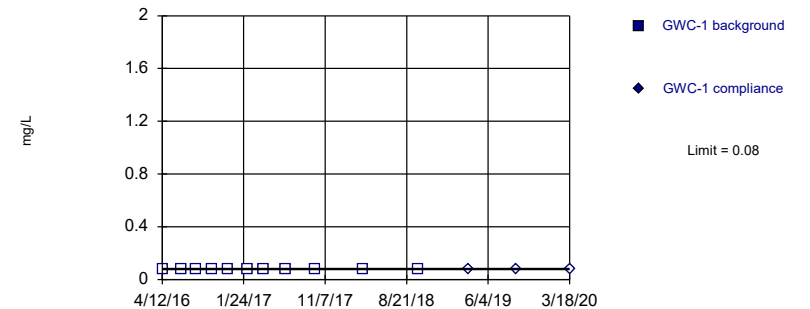


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

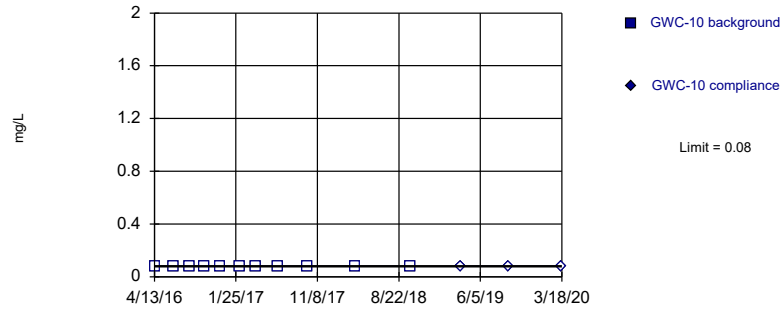


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Constituent: Boron, total Analysis Run 6/19/2020 9:19 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

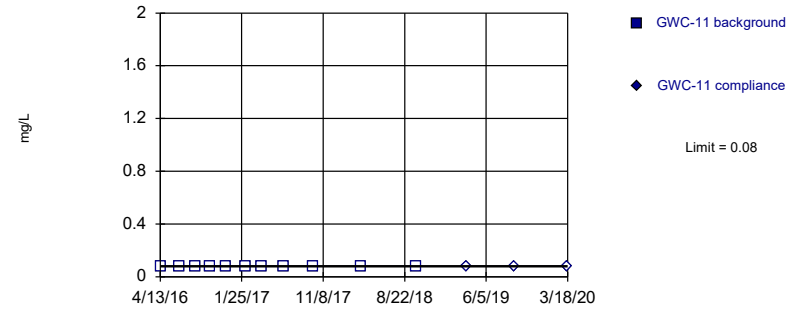


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

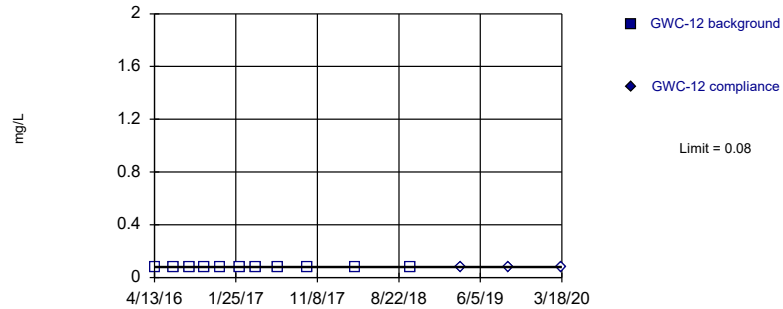


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

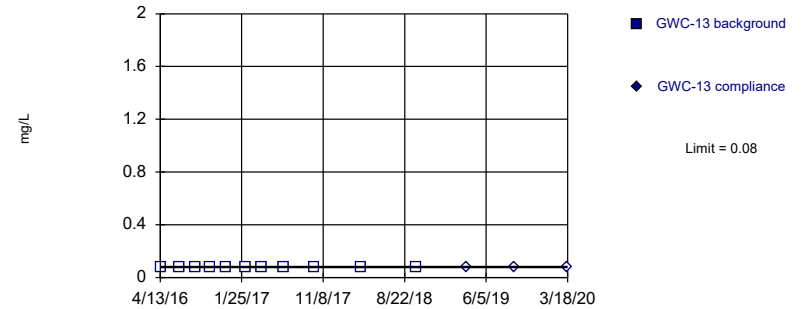


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

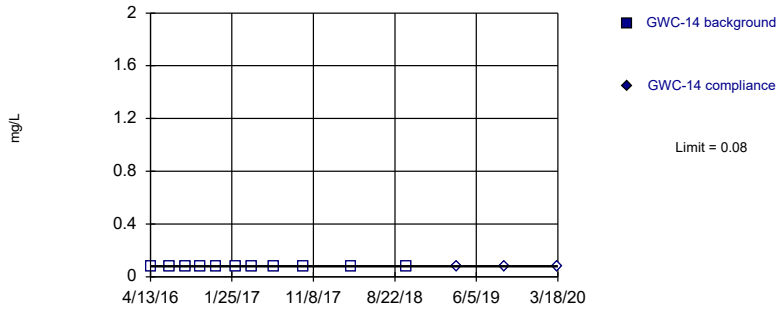


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

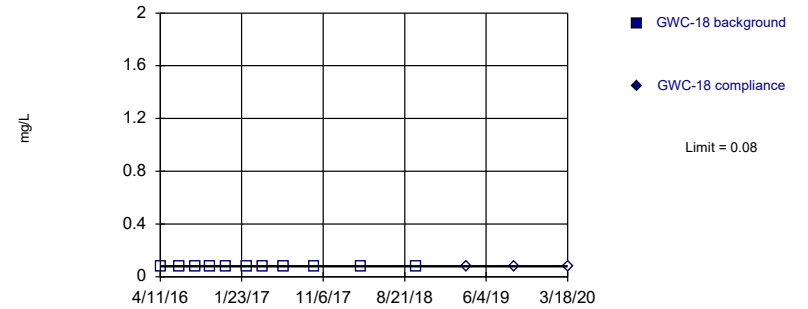


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

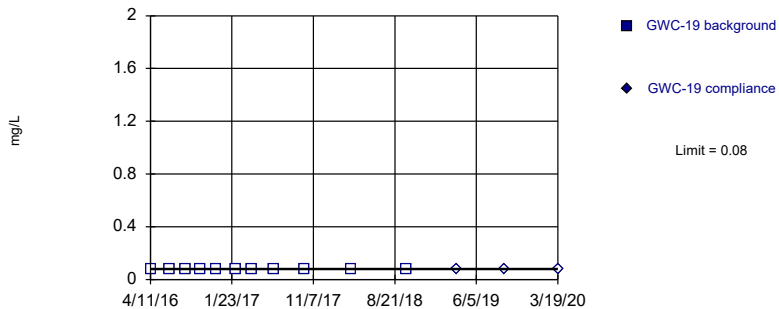


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

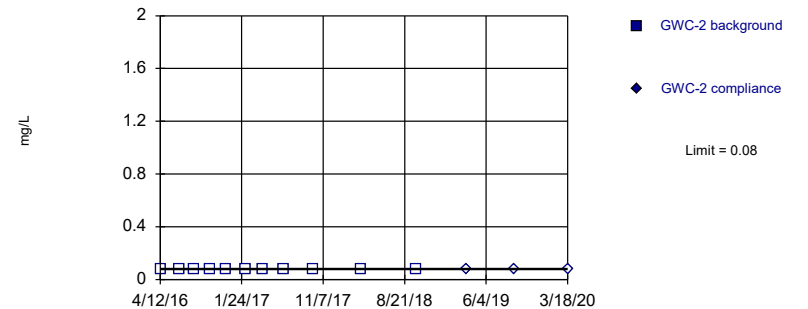


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

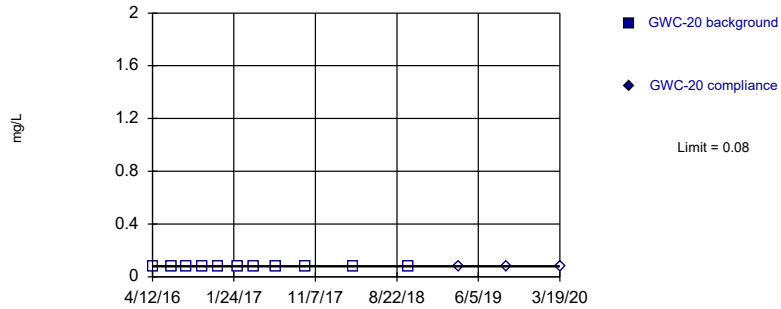


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

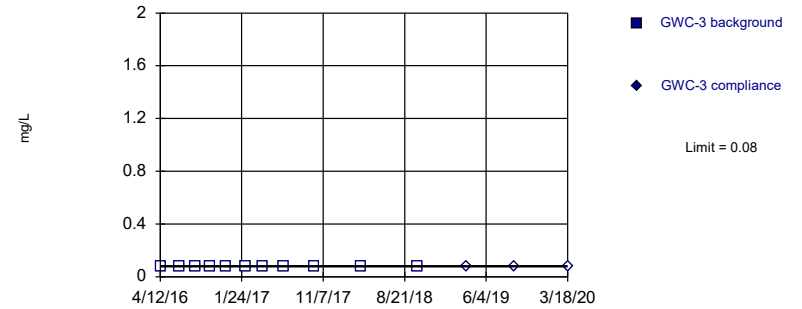


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

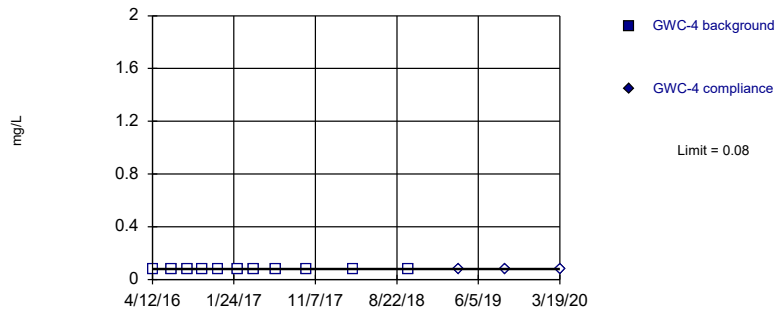


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

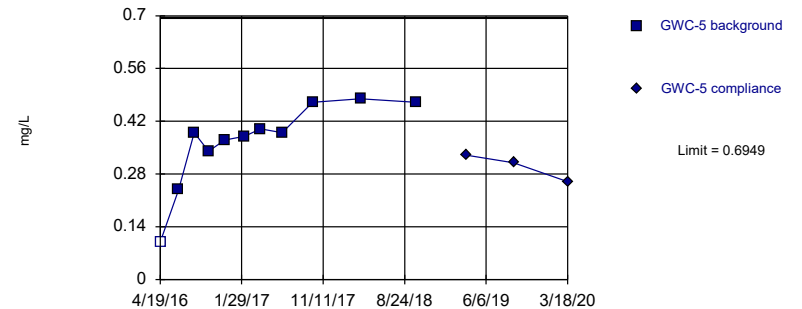


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

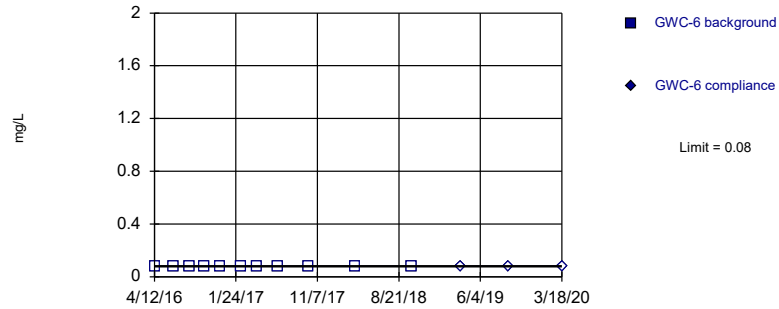


Background Data Summary: Mean=0.3662, Std. Dev.=0.1118, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

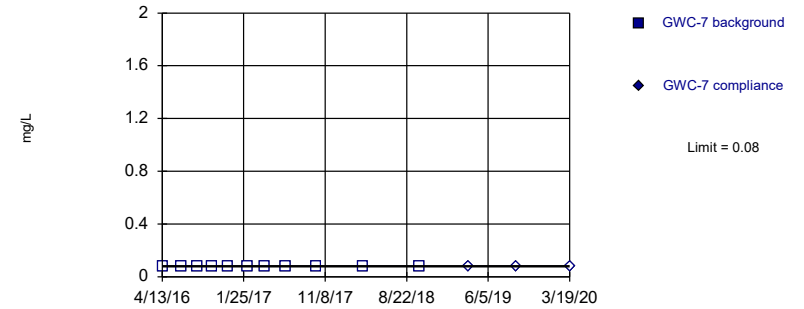


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

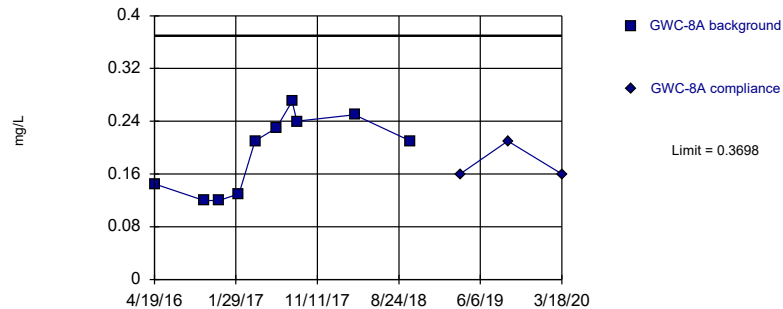


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

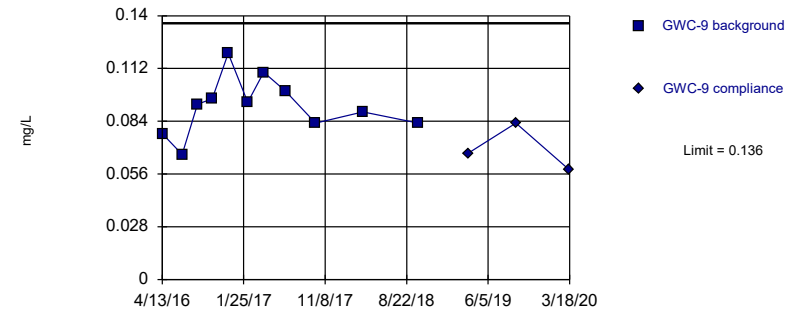


Background Data Summary: Mean=0.1925, Std. Dev.=0.05799, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

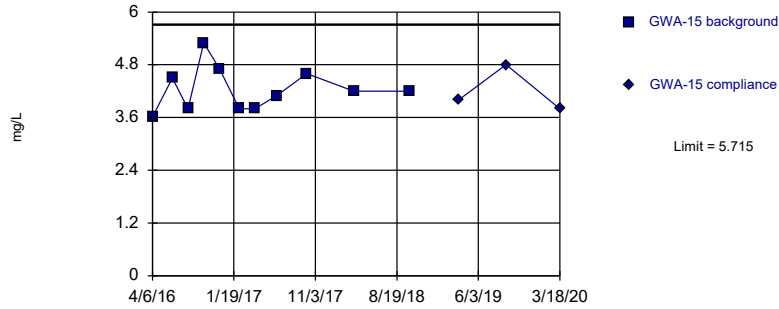


Background Data Summary: Mean=0.09197, Std. Dev.=0.01496, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9843, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

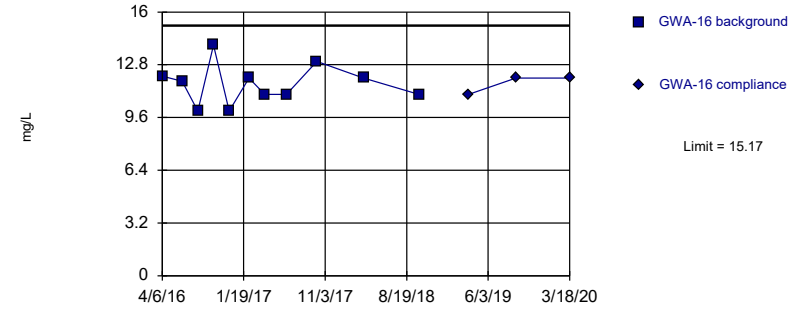


Background Data Summary: Mean=4.238, Std. Dev.=0.502, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9253, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

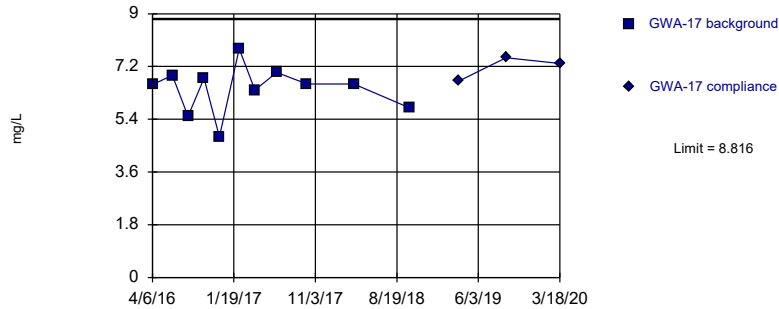


Background Data Summary: Mean=11.63, Std. Dev.=1.205, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

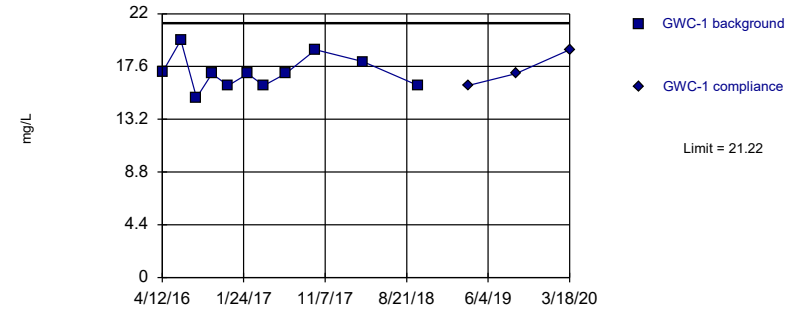


Background Data Summary: Mean=6.435, Std. Dev.=0.8099, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

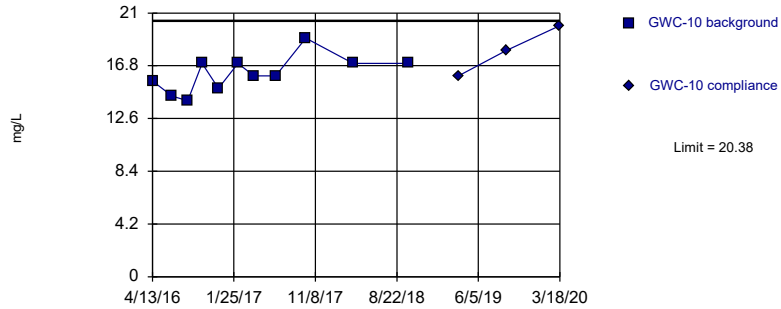


Background Data Summary: Mean=17.08, Std. Dev.=1.406, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9316, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

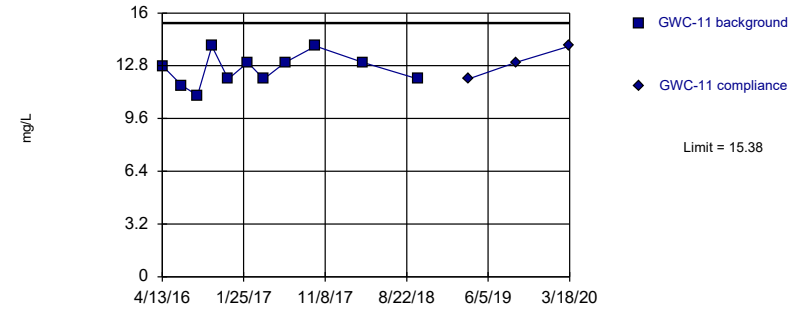


Background Data Summary: Mean=16.18, Std. Dev.=1.427, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9441, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

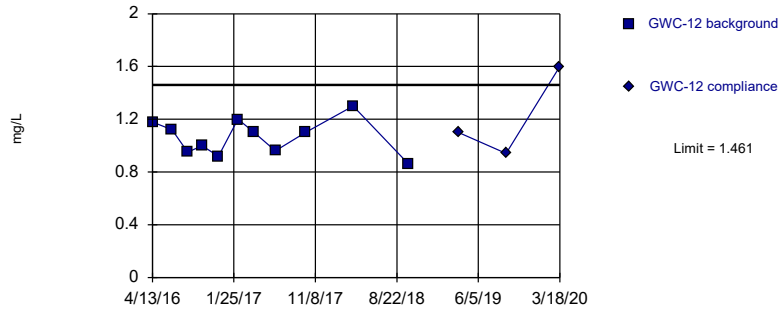


Background Data Summary: Mean=12.58, Std. Dev.=0.9527, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

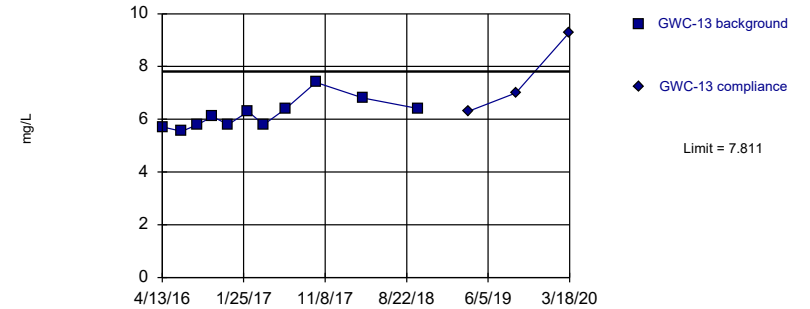


Background Data Summary: Mean=1.063, Std. Dev.=0.1355, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9655, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

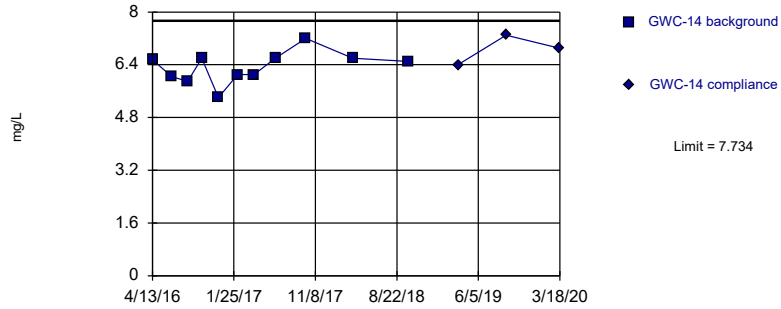


Background Data Summary: Mean=6.186, Std. Dev.=0.5526, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9015, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

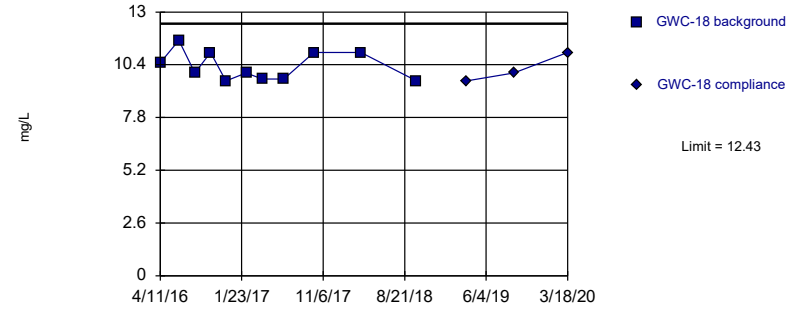


Background Data Summary: Mean=6.326, Std. Dev.=0.4788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

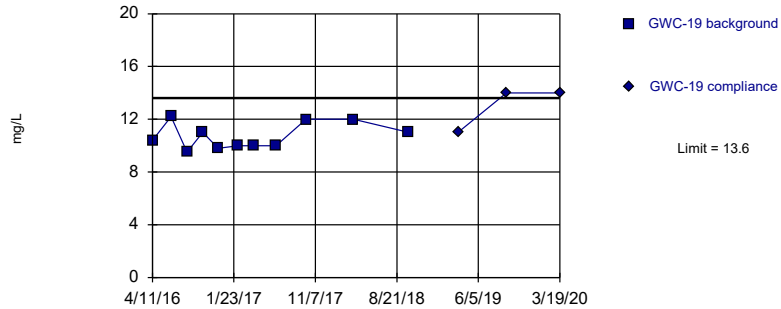


Background Data Summary: Mean=10.34, Std. Dev.=0.7117, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8695, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

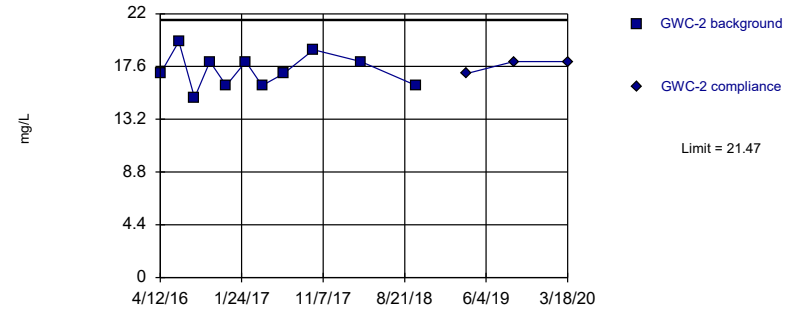


Background Data Summary: Mean=10.72, Std. Dev.=0.9806, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8782, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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



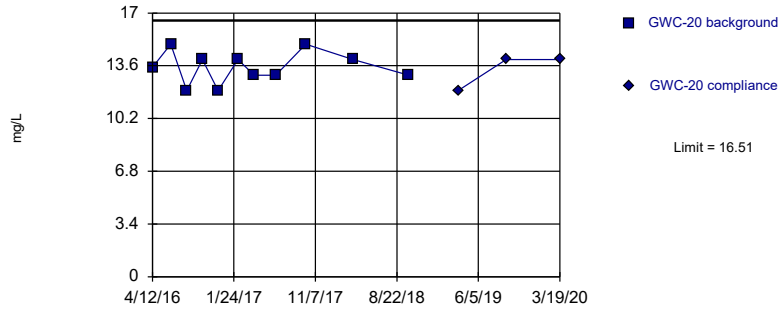
Background Data Summary: Mean=17.25, Std. Dev.=1.436, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

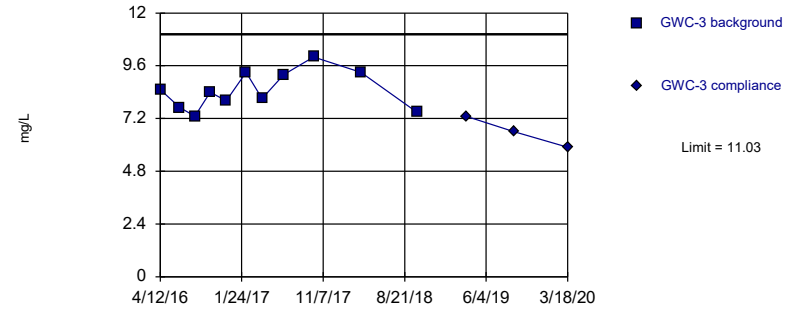


Background Data Summary: Mean=13.5, Std. Dev.=1.025, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.923, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

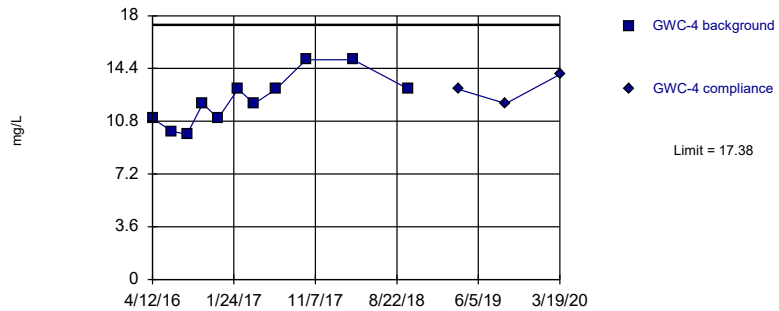


Background Data Summary: Mean=8.484, Std. Dev.=0.867, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

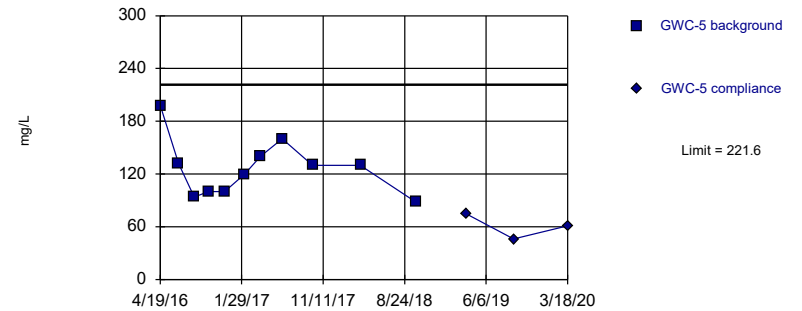


Background Data Summary: Mean=12.27, Std. Dev.=1.738, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9259, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

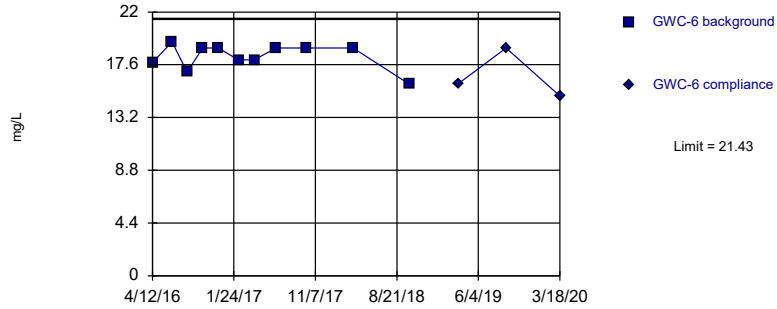


Background Data Summary: Mean=126.5, Std. Dev.=32.34, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

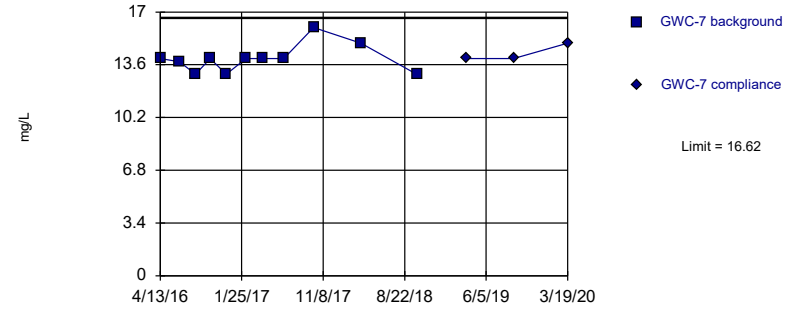


Background Data Summary: Mean=18.3, Std. Dev.=1.063, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8543, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

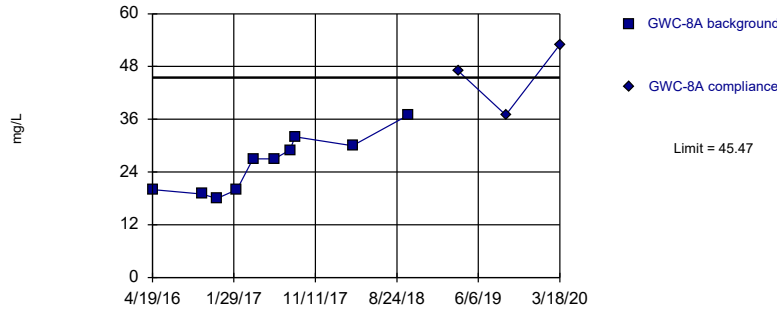


Background Data Summary: Mean=13.98, Std. Dev.=0.8965, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8398, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

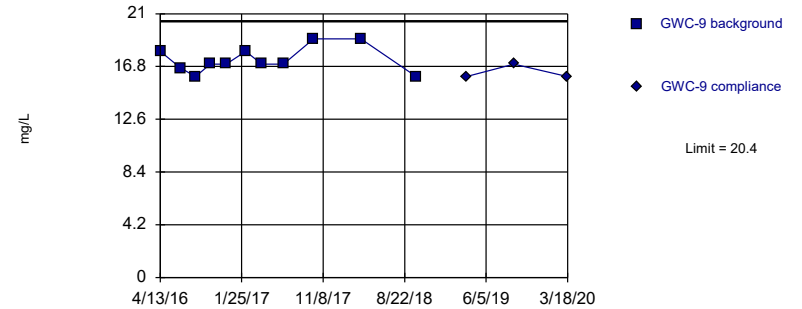


Background Data Summary: Mean=25.9, Std. Dev.=6.402, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9203, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

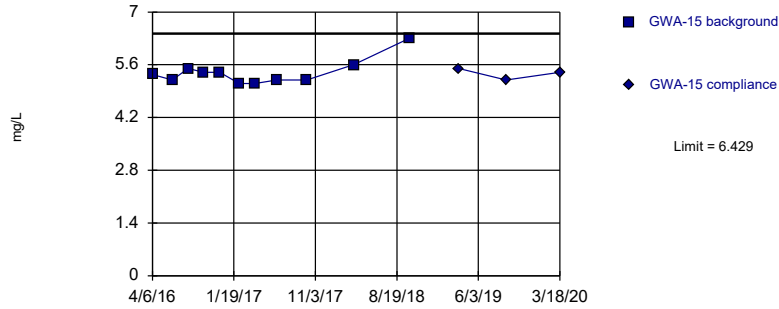


Background Data Summary: Mean=17.34, Std. Dev.=1.041, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8927, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

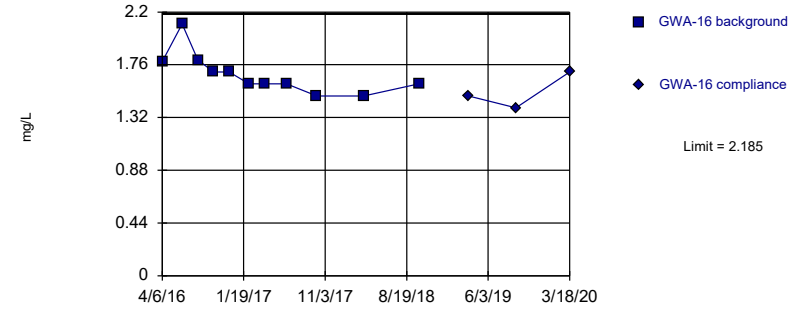


Background Data Summary (based on natural log transformation): Mean=1.684, Std. Dev.=0.06022, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7973, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

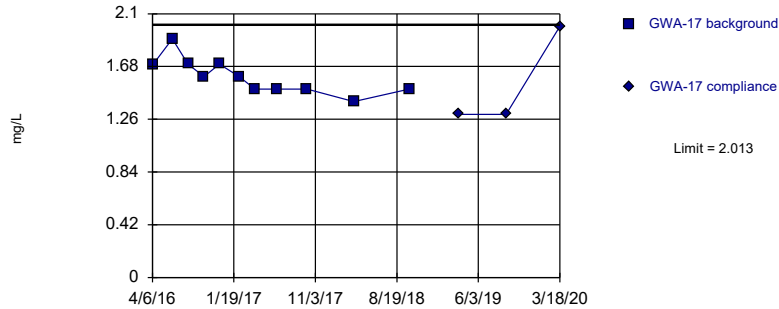


Background Data Summary: Mean=1.681, Std. Dev.=0.1714, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8489, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

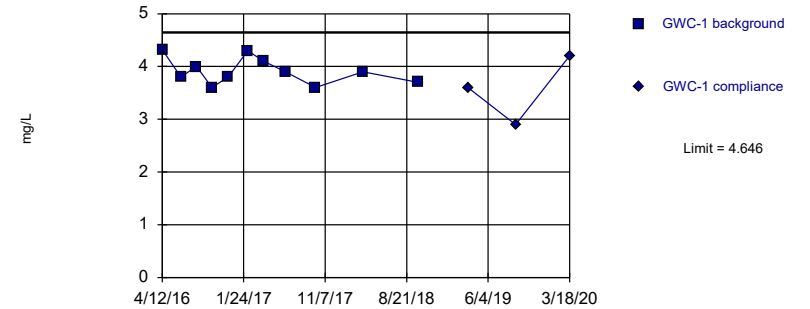


Background Data Summary: Mean=1.599, Std. Dev.=0.1407, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

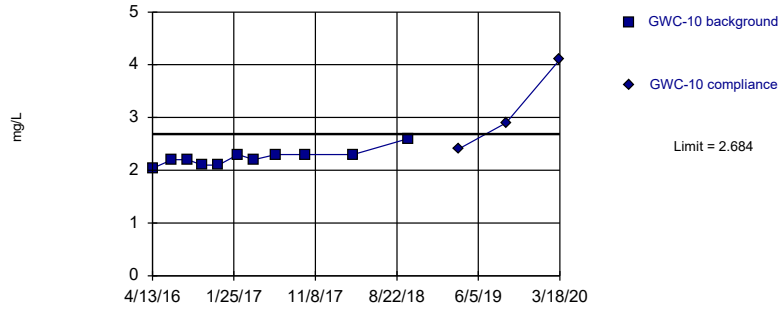


Background Data Summary: Mean=3.911, Std. Dev.=0.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

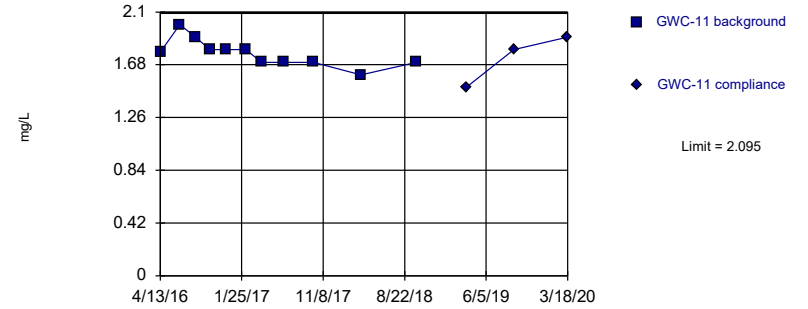


Background Data Summary: Mean=2.24, Std. Dev.=0.151, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

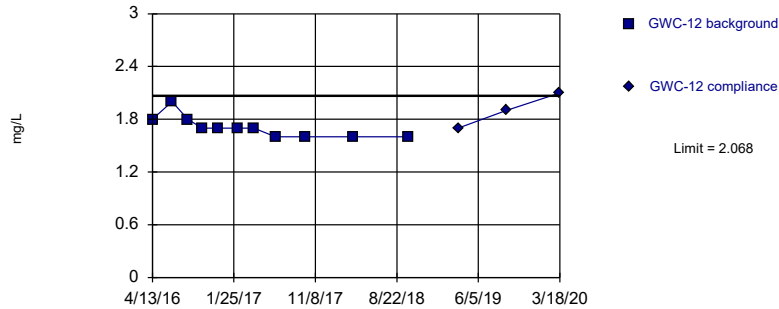


Background Data Summary: Mean=1.771, Std. Dev.=0.11, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

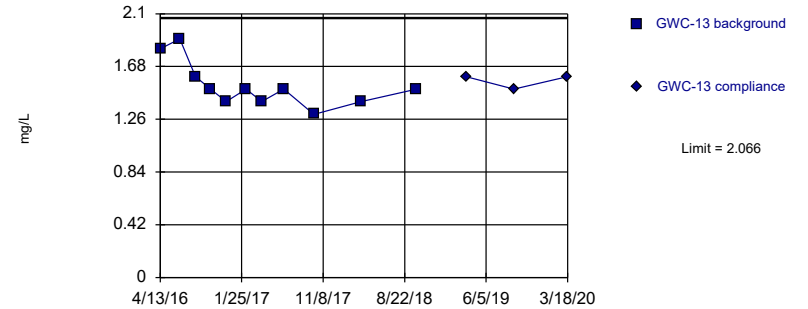


Background Data Summary: Mean=1.709, Std. Dev.=0.1221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8208, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

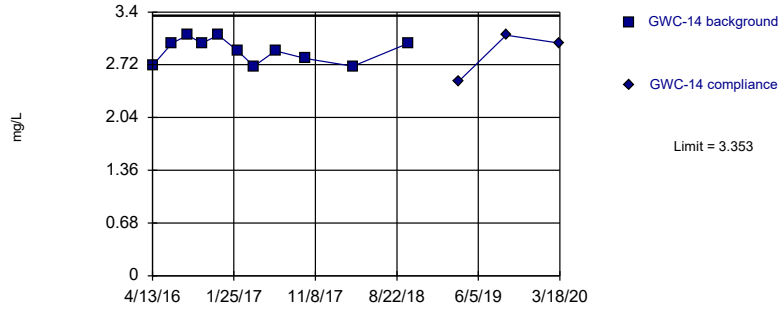


Background Data Summary: Mean=1.529, Std. Dev.=0.1825, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8586, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

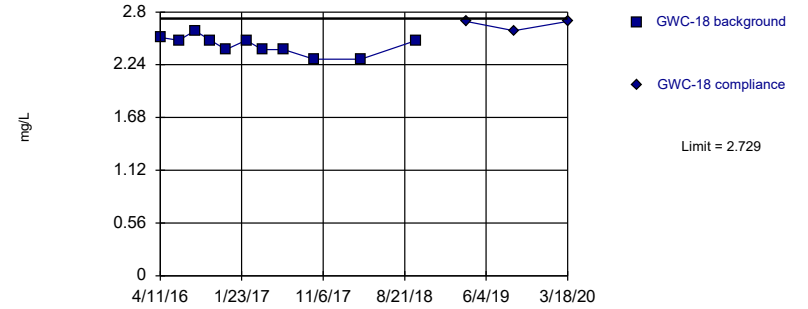


Background Data Summary: Mean=2.901, Std. Dev.=0.1537, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

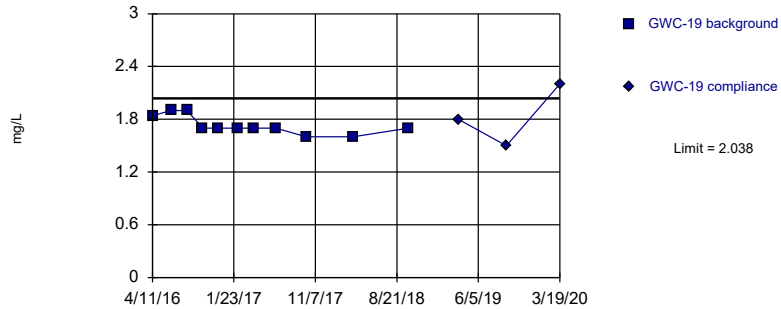


Background Data Summary: Mean=2.448, Std. Dev.=0.09558, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9086, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

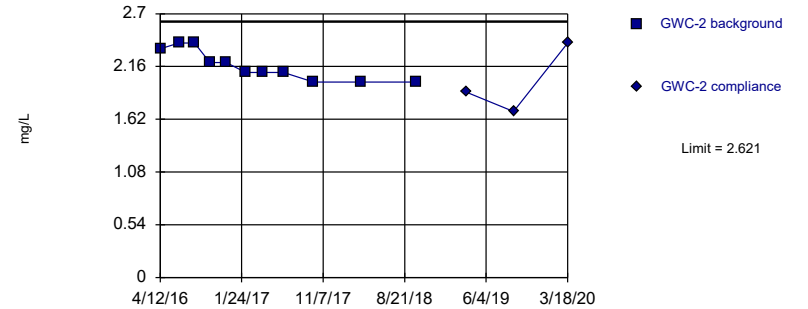


Background Data Summary: Mean=1.731, Std. Dev.=0.1044, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

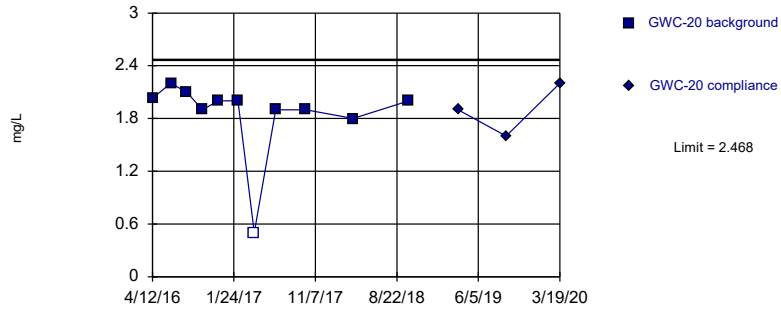


Background Data Summary: Mean=2.167, Std. Dev.=0.1542, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8694, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

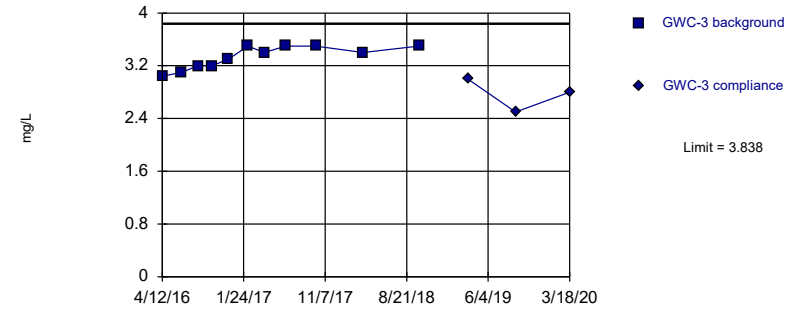


Background Data Summary (based on cube transformation): Mean=7.164, Std. Dev.=2.677, n=11, 9.091% NDs.  
 Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8087, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

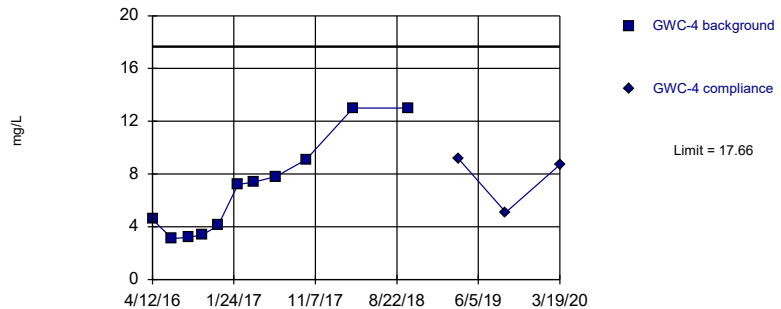


Background Data Summary: Mean=3.331, Std. Dev.=0.1724, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8682, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

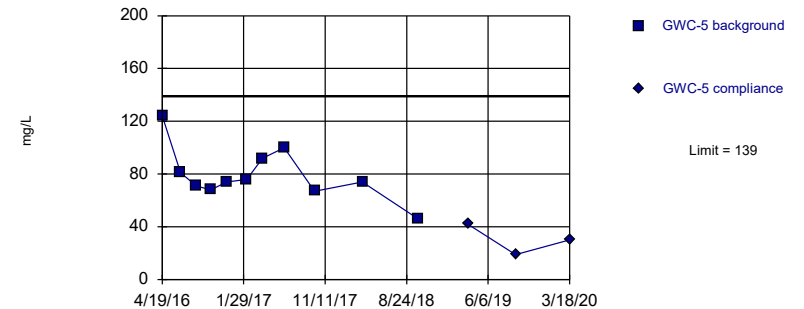


Background Data Summary: Mean=6.897, Std. Dev.=3.661, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

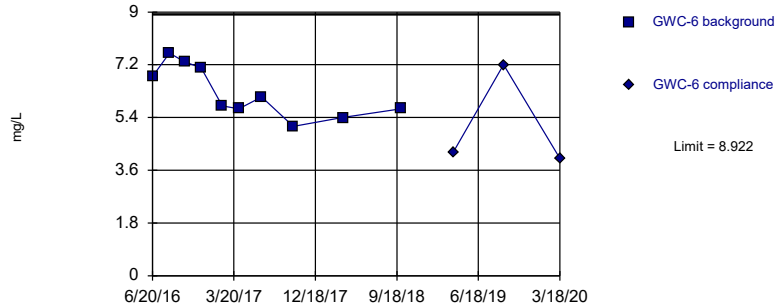


Background Data Summary: Mean=79.36, Std. Dev.=20.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9228, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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 Parametric

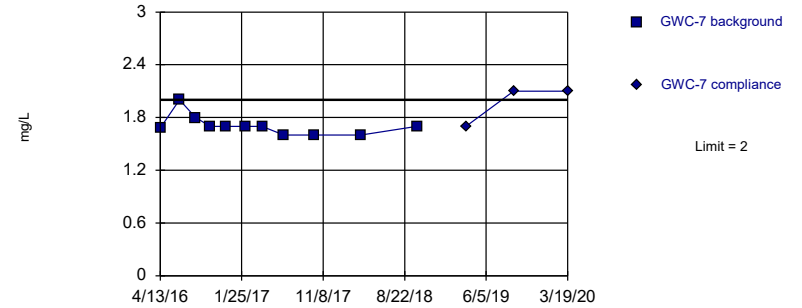


Background Data Summary: Mean=6.26, Std. Dev.=0.8708, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9206, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/19/2020 9:20 AM View: Appendix III  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

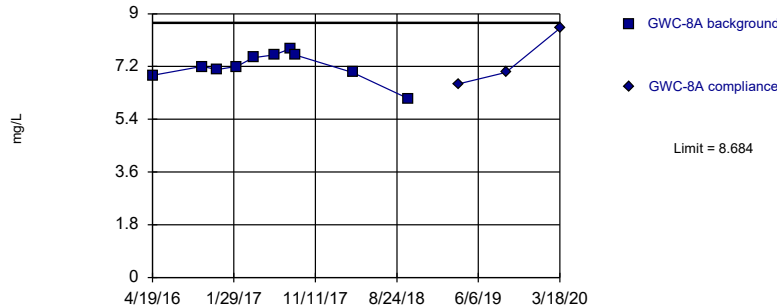


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

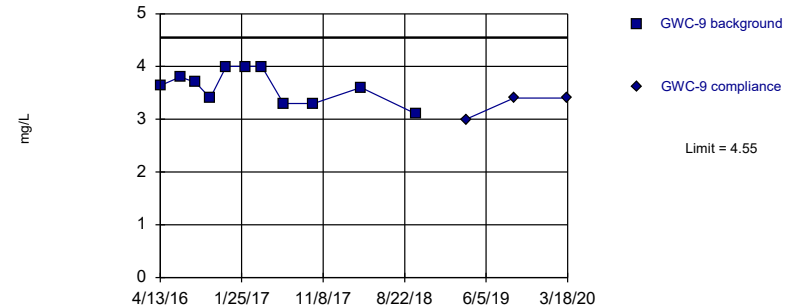


Background Data Summary: Mean=7.2, Std. Dev.=0.4853, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9028, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 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

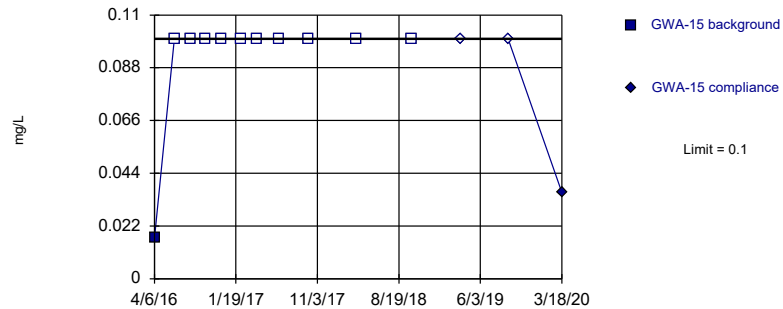


Background Data Summary: Mean=3.622, Std. Dev.=0.3157, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.922, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 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

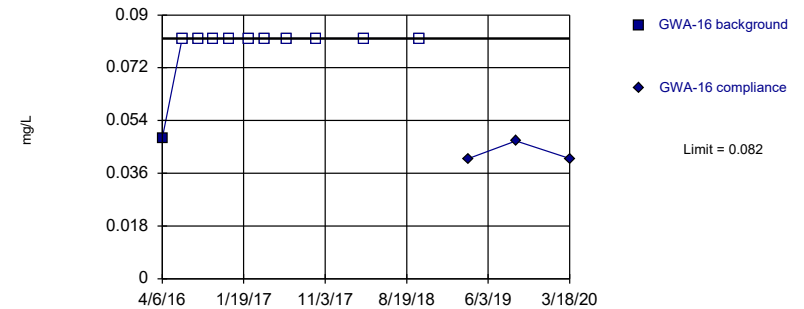


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

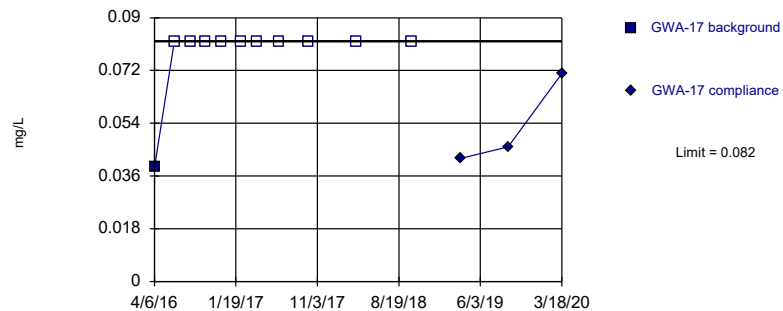


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

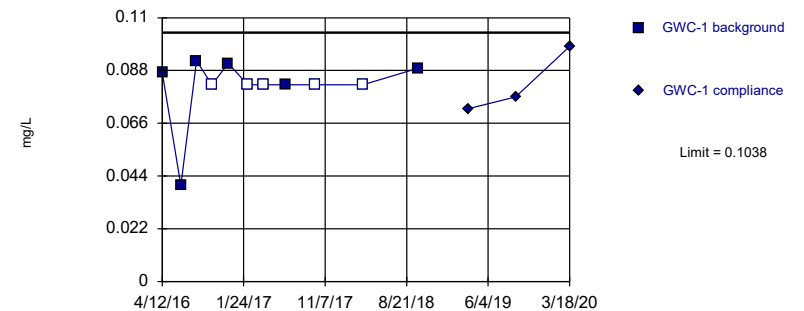


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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



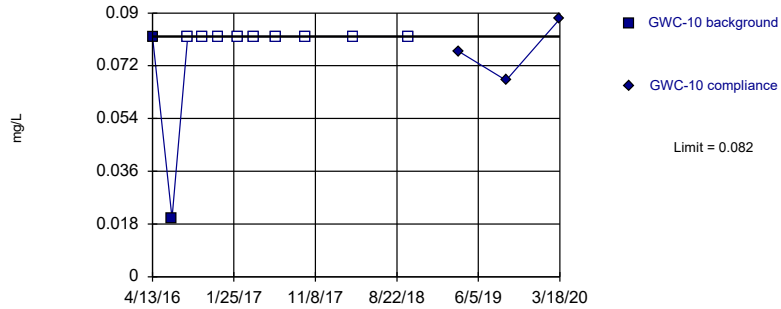
Background Data Summary (based on x<sup>4</sup> transformation) (after Kaplan-Meier Adjustment): Mean=0.00003886, Std. Dev.=0.00002632, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8005, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report 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

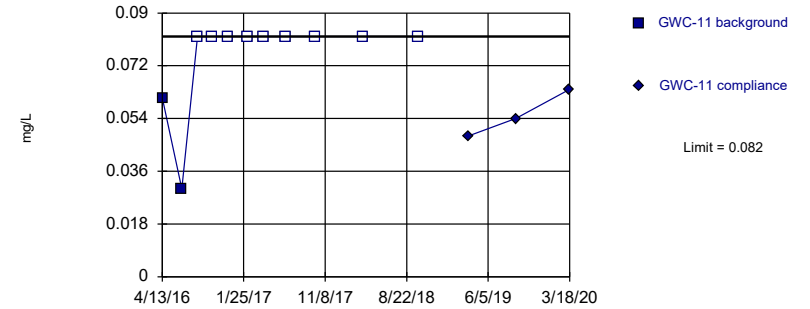


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

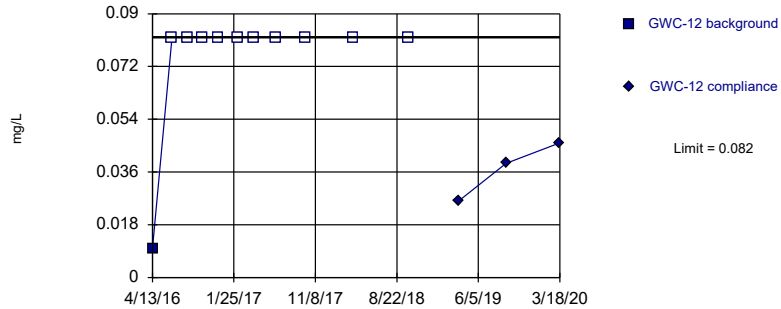


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

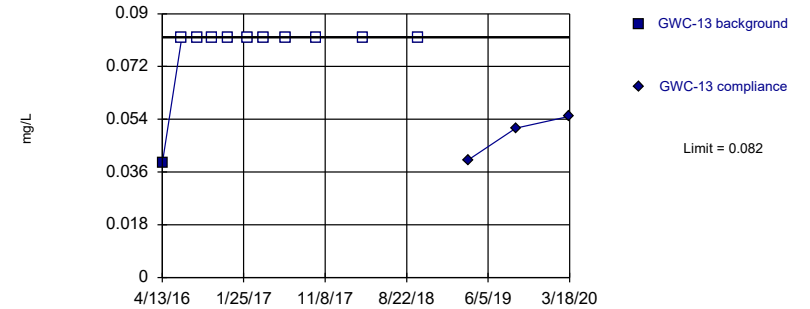


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

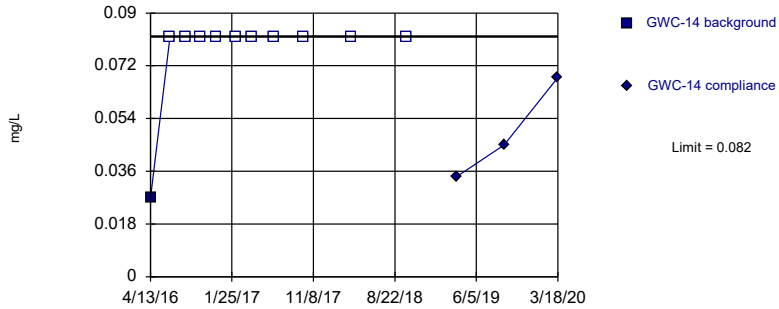


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

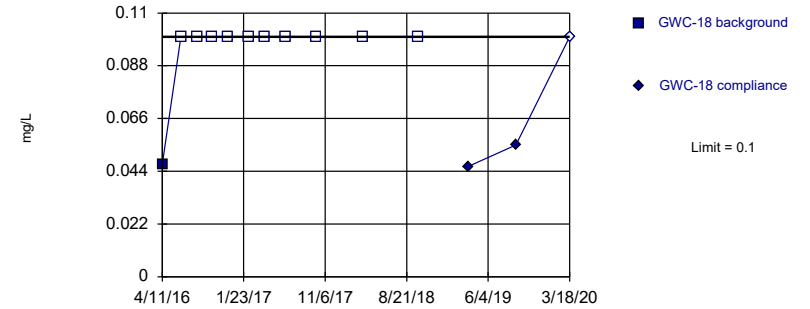


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

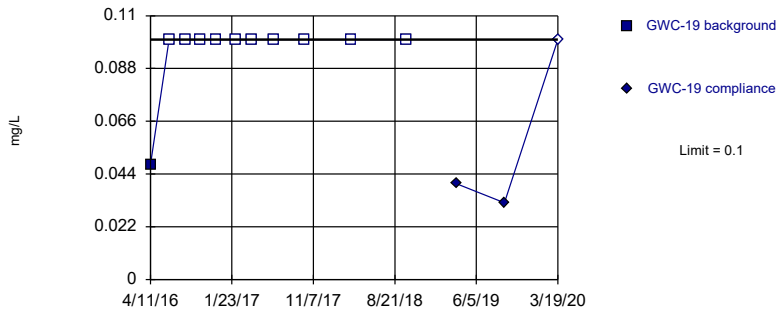


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

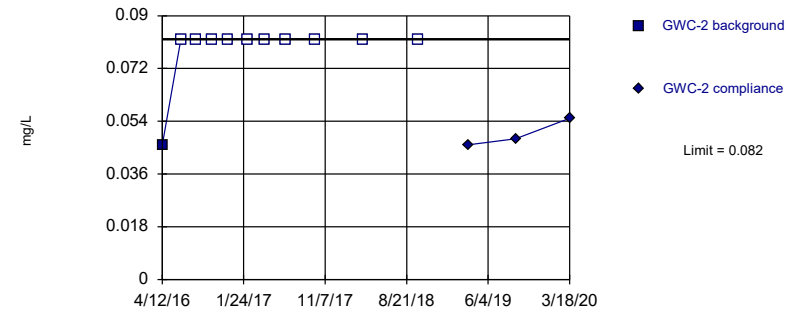


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

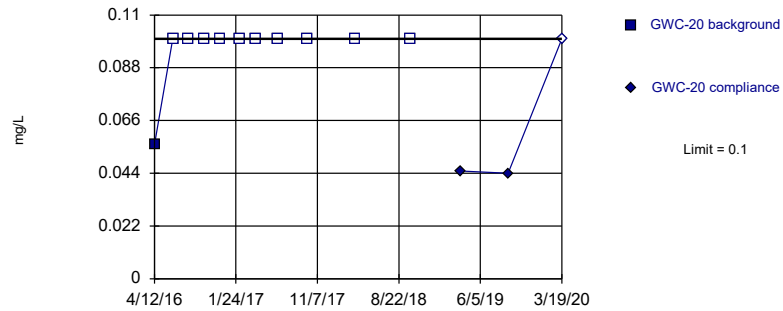


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

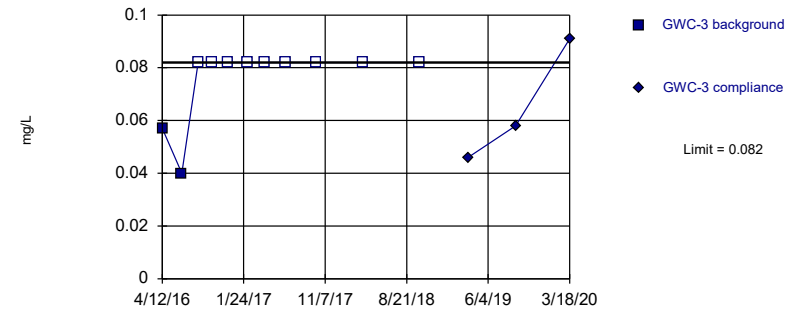


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

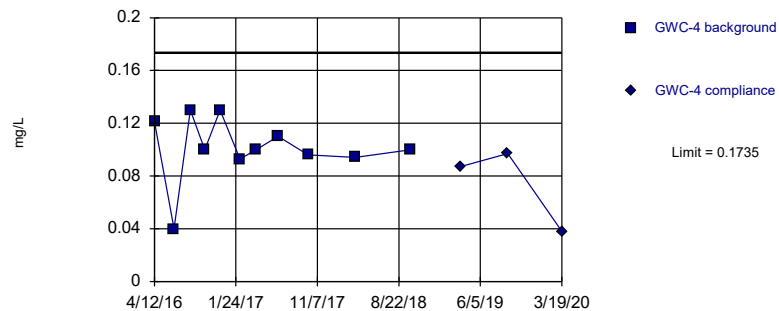


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

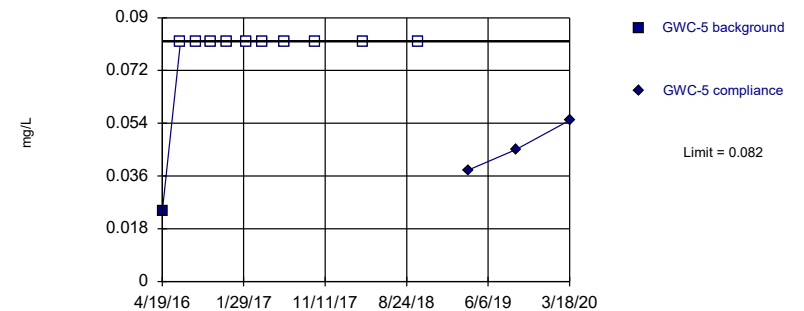


Background Data Summary: Mean=0.1013, Std. Dev.=0.02454, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8315, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

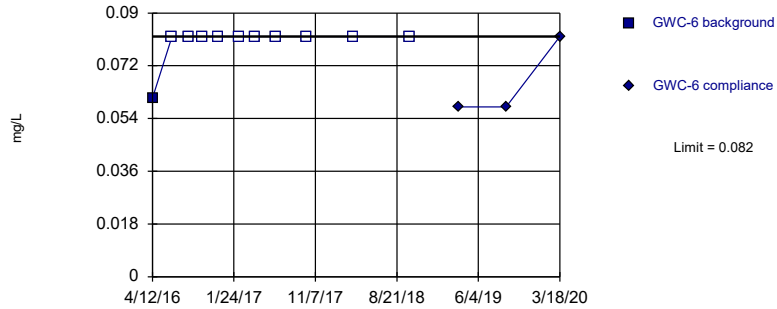


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

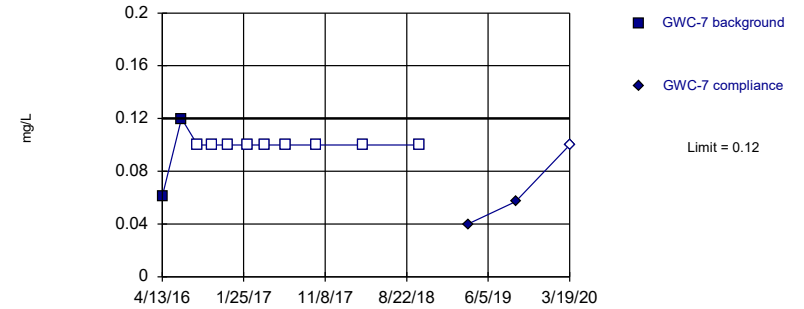


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

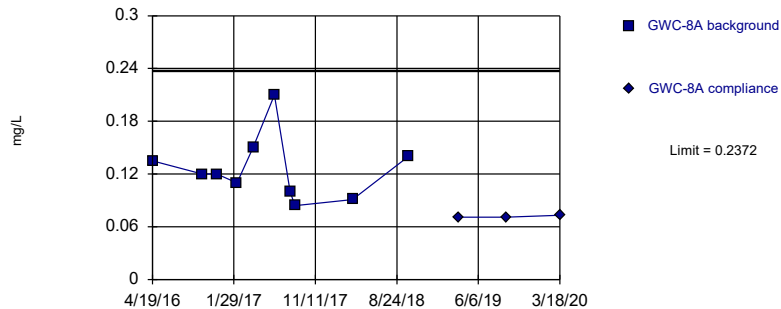


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

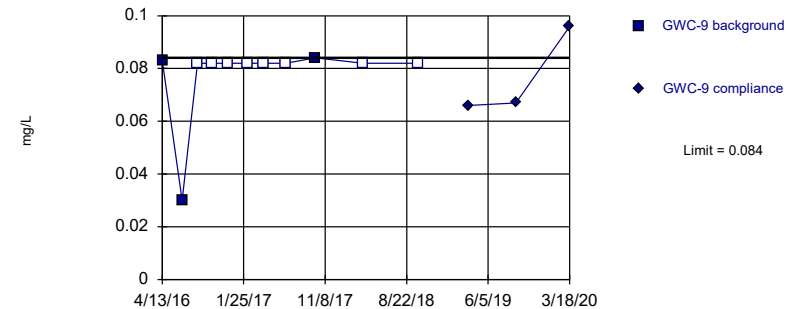


Background Data Summary: Mean=0.126, Std. Dev.=0.03637, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

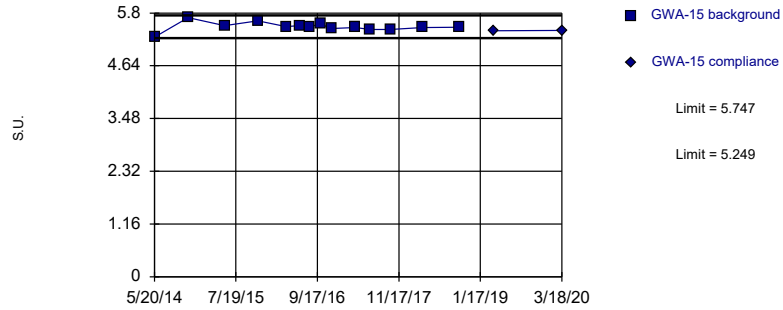


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

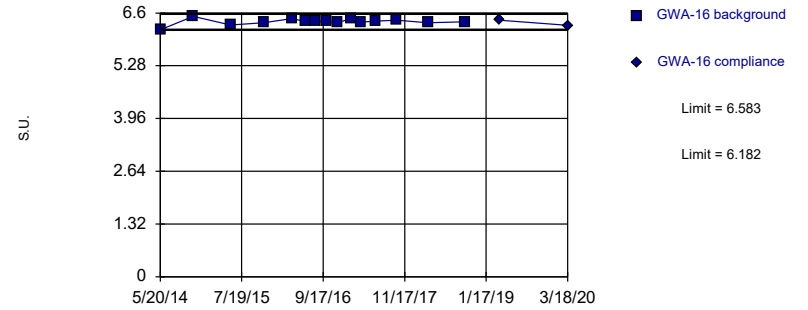


Background Data Summary: Mean=5.498, Std. Dev.=0.0942, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8953, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

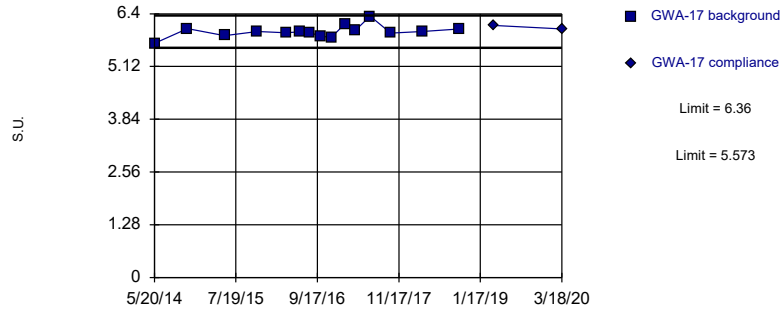


Background Data Summary: Mean=6.383, Std. Dev.=0.07611, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9003, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

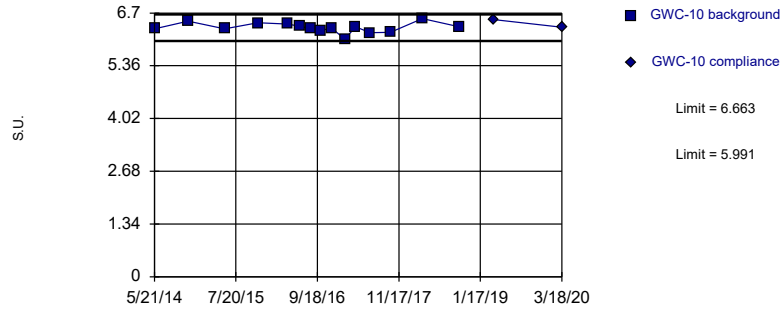


Background Data Summary: Mean=6.517, Std. Dev.=0.09662, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

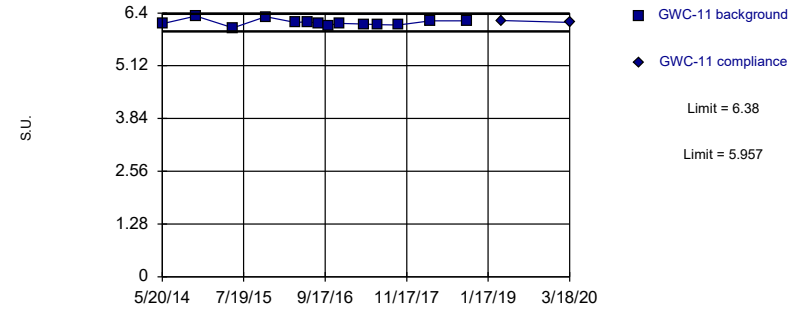


Background Data Summary: Mean=6.327, Std. Dev.=0.1274, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9732, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

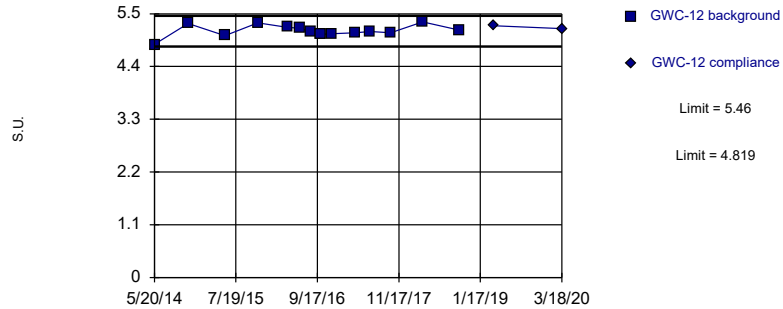


Background Data Summary: Mean=6.169, Std. Dev.=0.07843, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

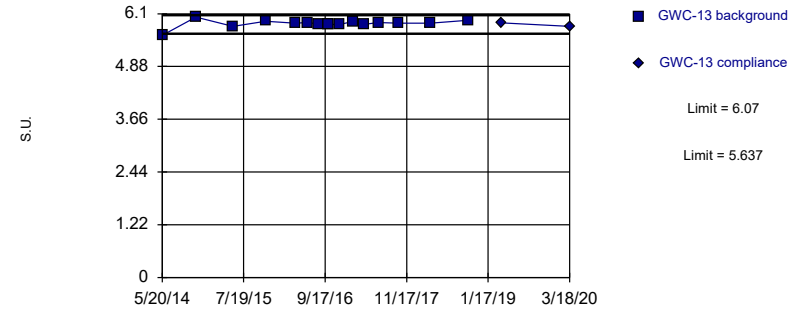


Background Data Summary: Mean=5.139, Std. Dev.=0.1214, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

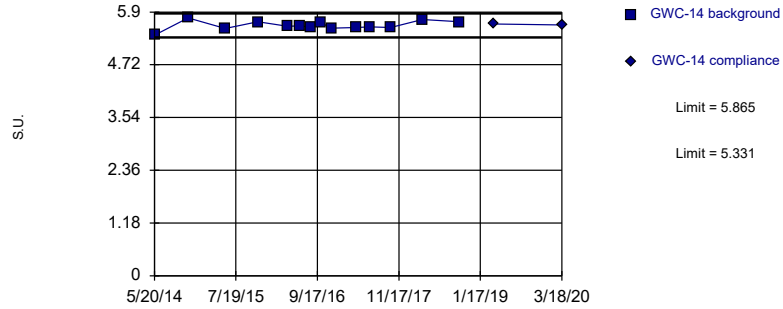


Background Data Summary (based on x\*6 transformation): Mean=41061, Std. Dev.=3479, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.844. Kappa = 2.576 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

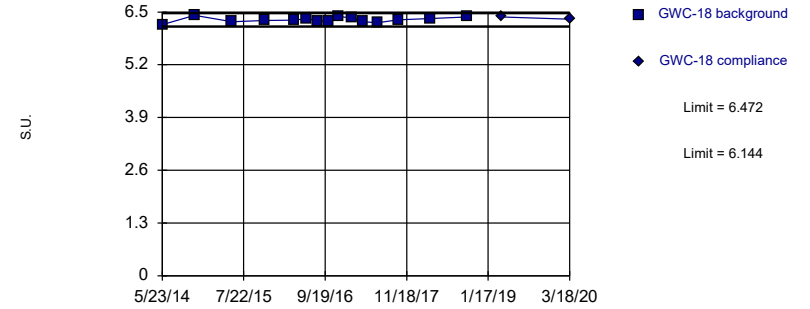


Background Data Summary: Mean=5.598, Std. Dev.=0.09885, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9374, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

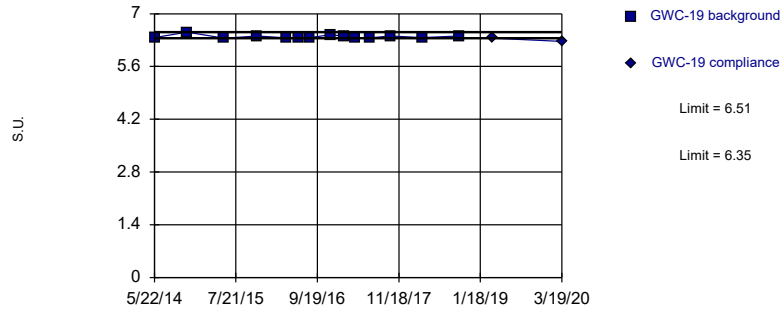


Background Data Summary: Mean=6.308, Std. Dev.=0.06213, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9832, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

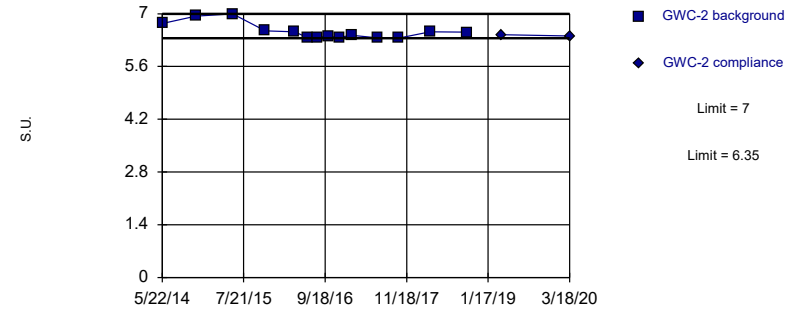


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 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

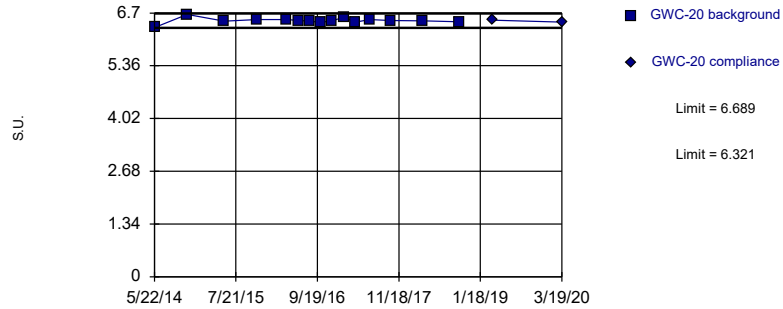


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 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

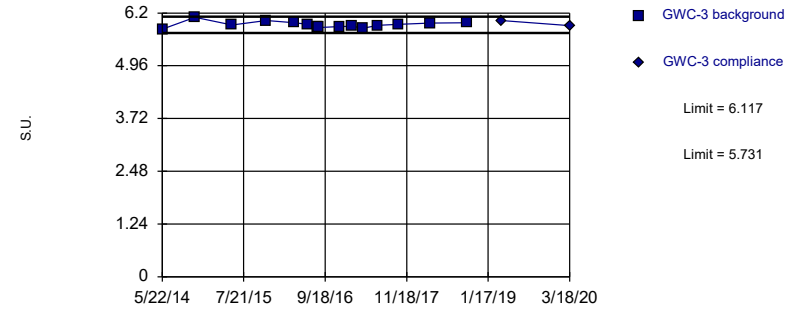


Background Data Summary: Mean=6.505, Std. Dev.=0.06978, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

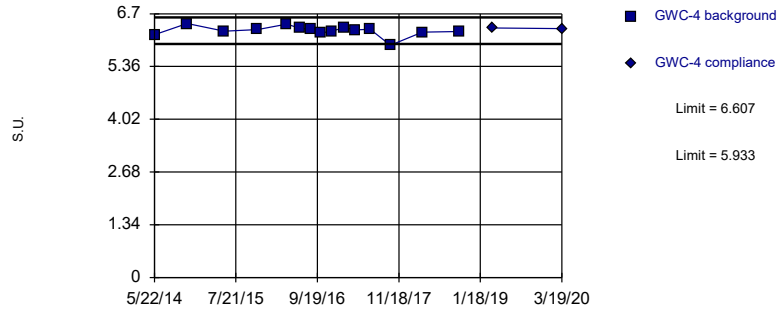


Background Data Summary: Mean=5.924, Std. Dev.=0.07327, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

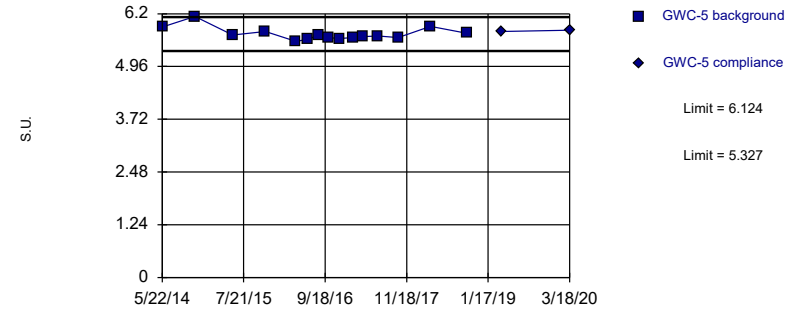


Background Data Summary: Mean=6.27, Std. Dev.=0.1276, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8483, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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



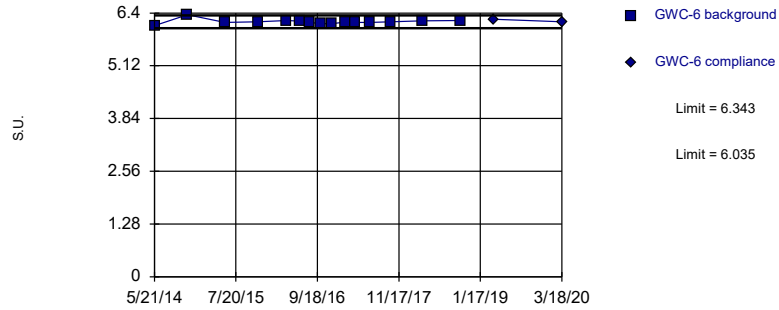
Background Data Summary: Mean=5.725, Std. Dev.=0.1511, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8366, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

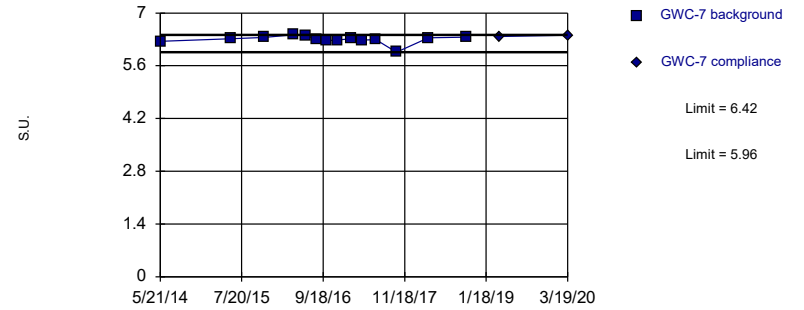


Background Data Summary (based on square root transformation): Mean=2.488, Std. Dev.=0.01171, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8356, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

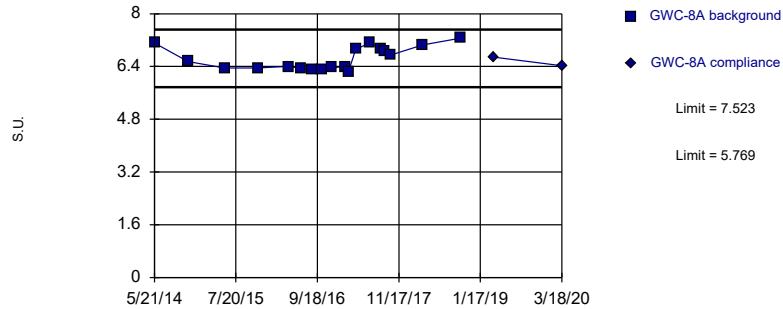


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 14 background values. Well-constituent pair annual alpha = 0.0343. Individual comparison alpha = 0.01722 (1 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

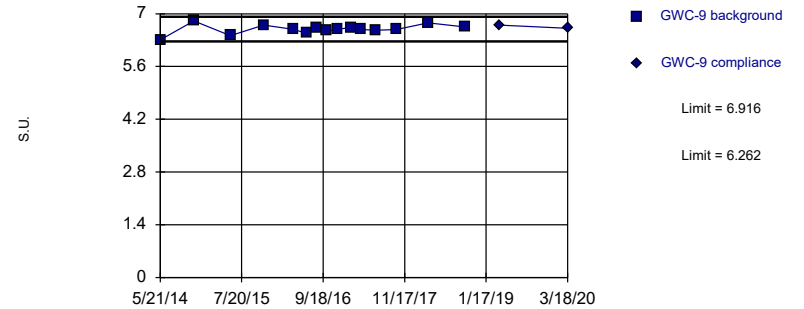


Background Data Summary: Mean=6.646, Std. Dev.=0.3493, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8617, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

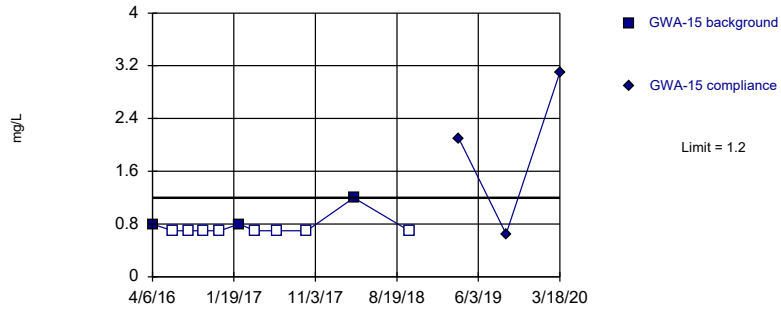


Background Data Summary: Mean=6.589, Std. Dev.=0.1239, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9572, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

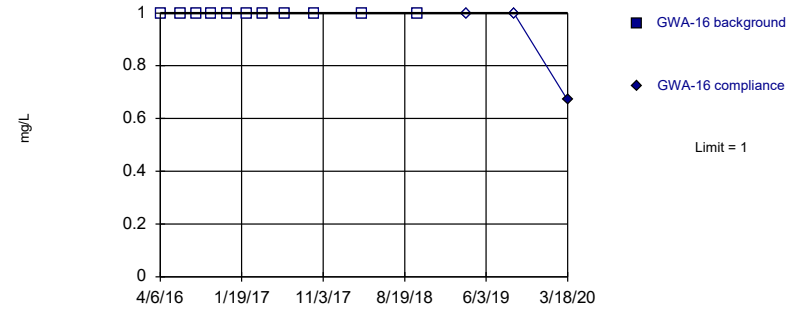


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

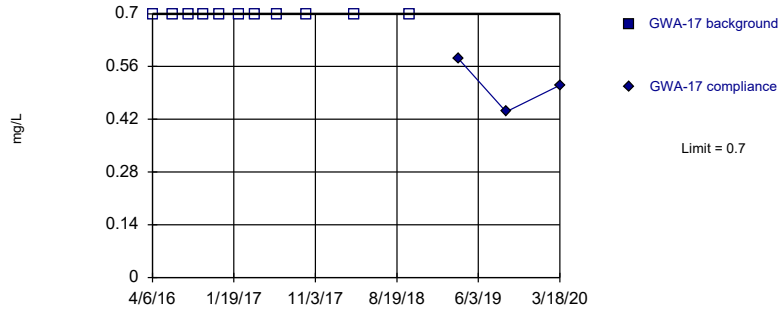


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

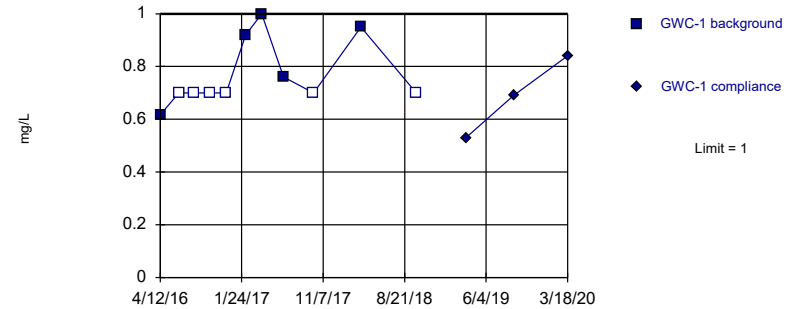


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

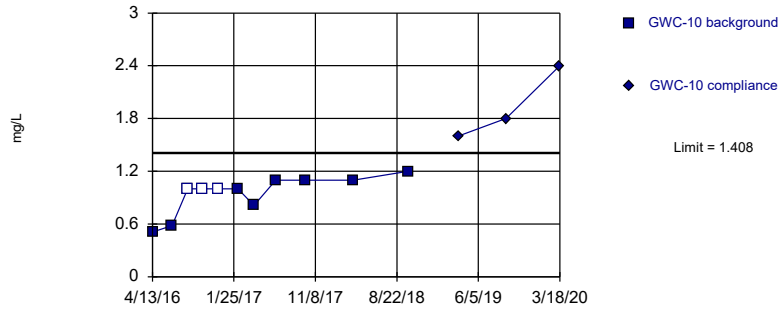


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

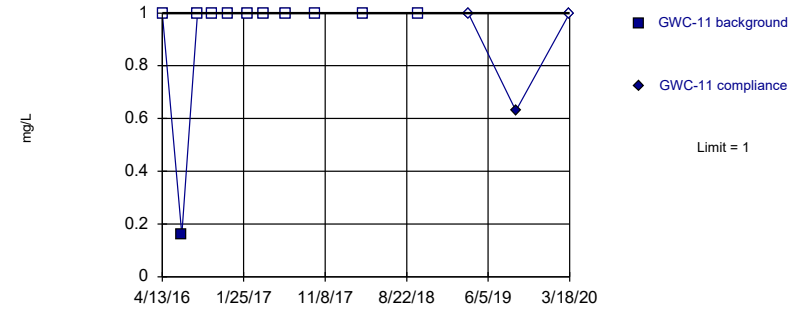


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7273, Std. Dev.=0.2315, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

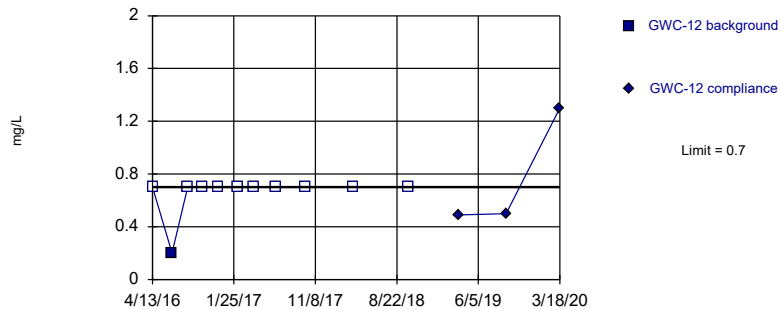


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

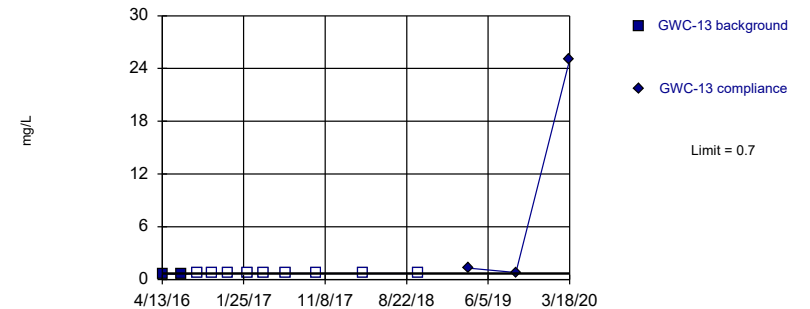


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

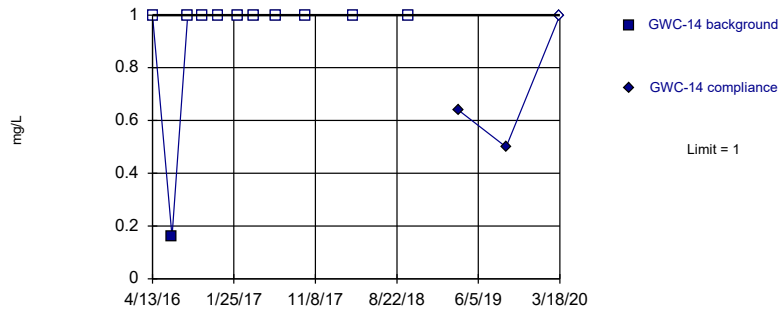


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

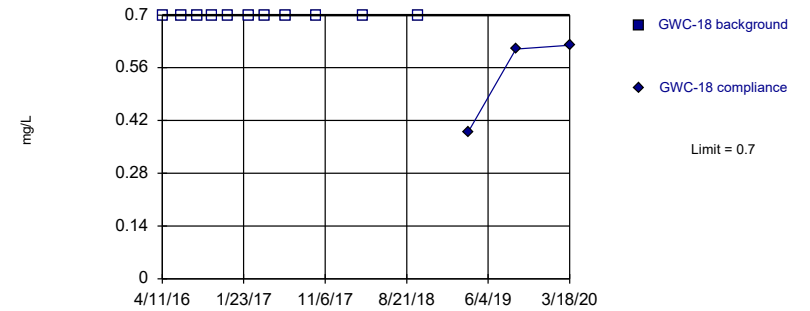


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

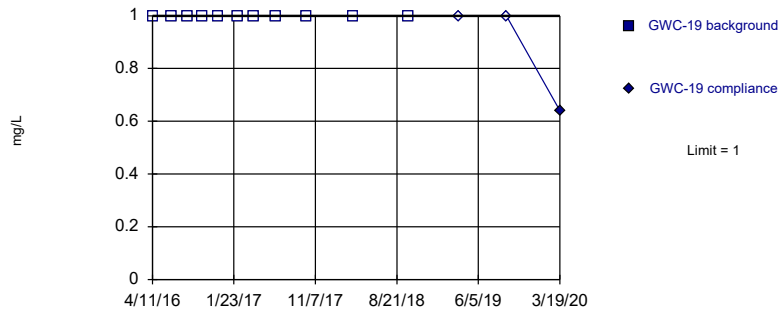


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

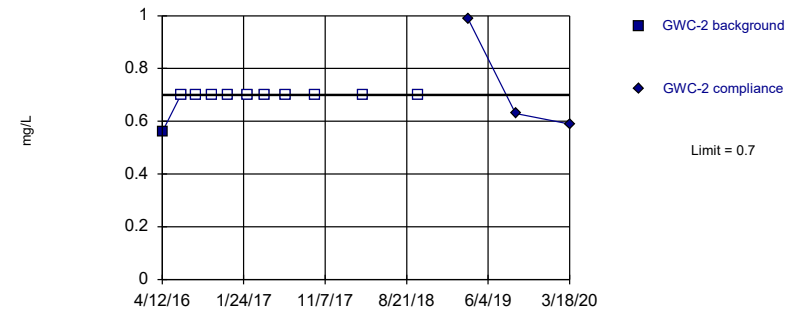


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

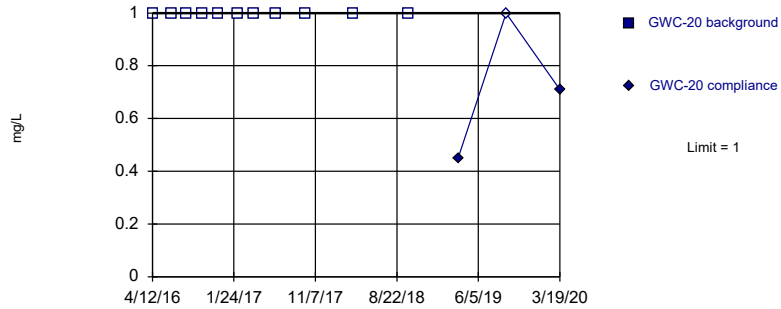


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

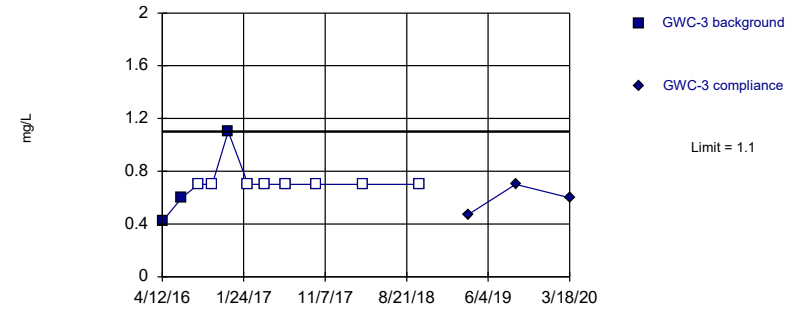


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

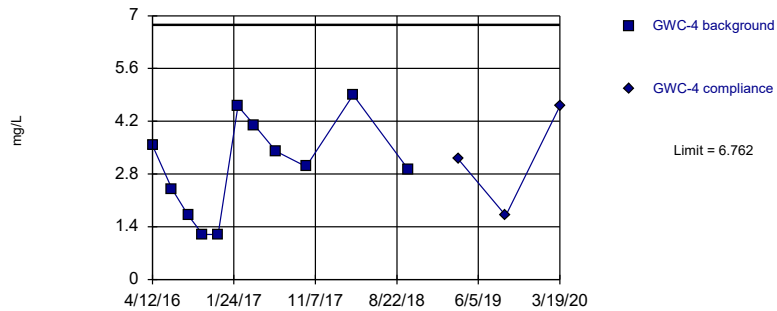


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

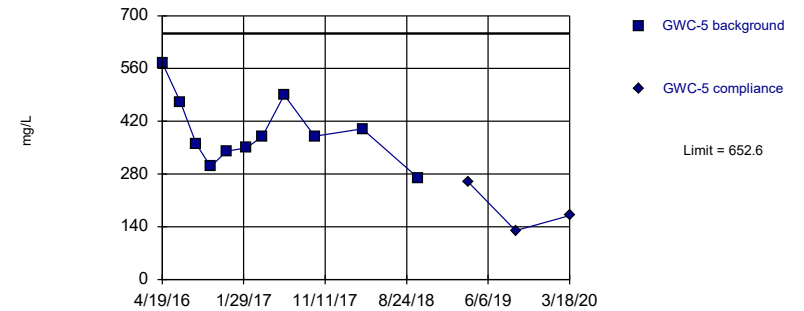


Background Data Summary: Mean=2.996, Std. Dev.=1.28, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9481, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

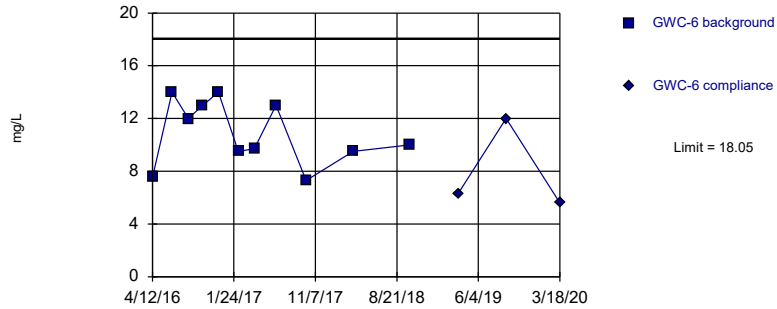


Background Data Summary: Mean=392.3, Std. Dev.=88.53, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

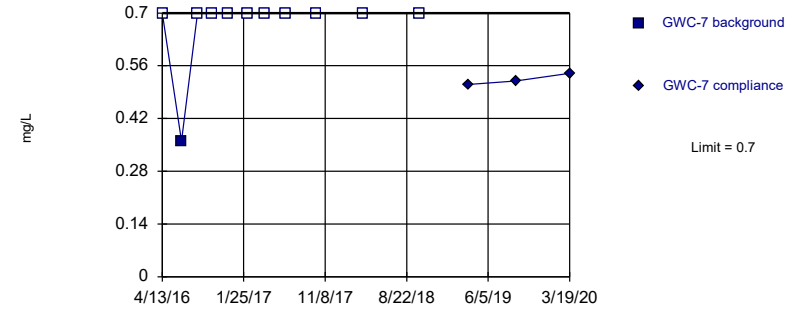


Background Data Summary: Mean=10.87, Std. Dev.=2.441, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

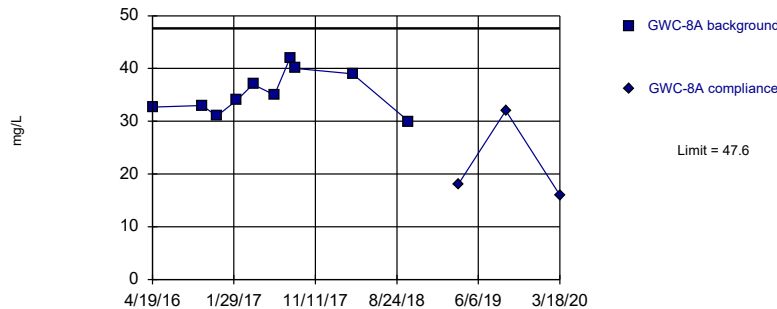


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

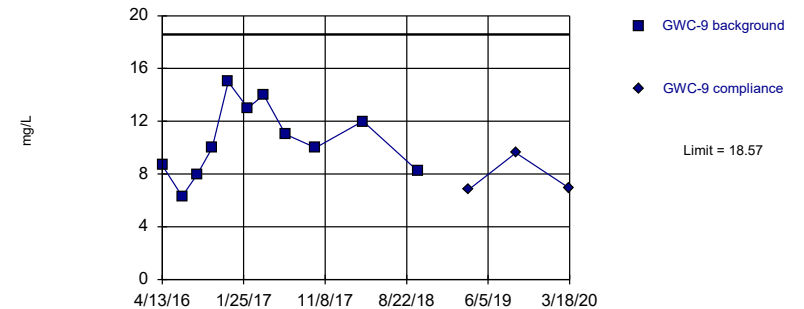


Background Data Summary: Mean=35.37, Std. Dev.=3.999, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

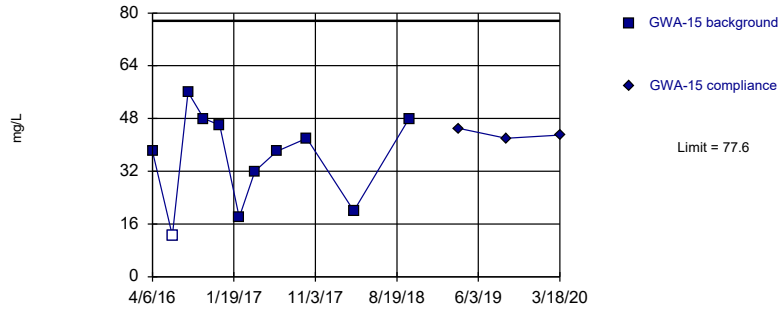


Background Data Summary: Mean=10.56, Std. Dev.=2.725, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9712, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

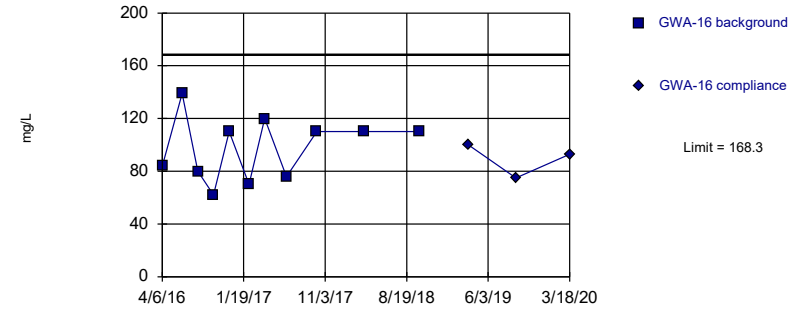


Background Data Summary: Mean=36.23, Std. Dev.=14.07, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9303, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

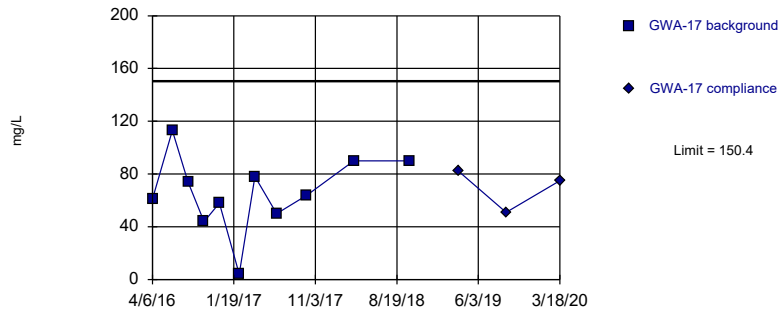


Background Data Summary: Mean=97.36, Std. Dev.=24.13, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

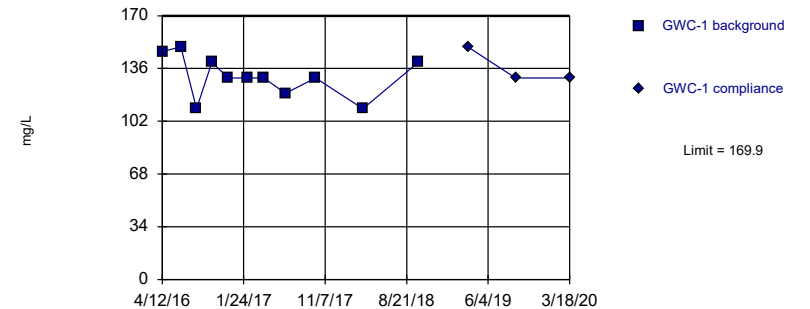


Background Data Summary: Mean=66, Std. Dev.=28.72, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

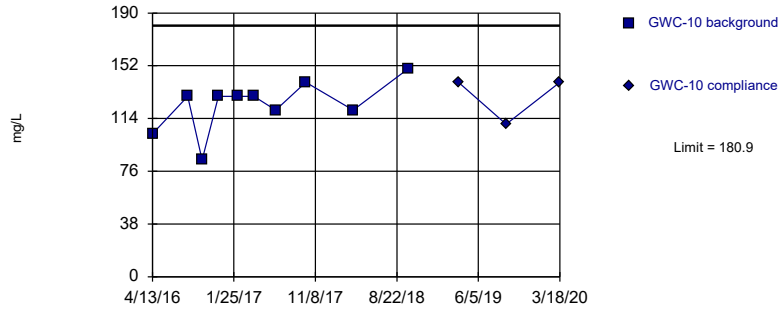


Background Data Summary: Mean=130.6, Std. Dev.=13.36, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9245, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

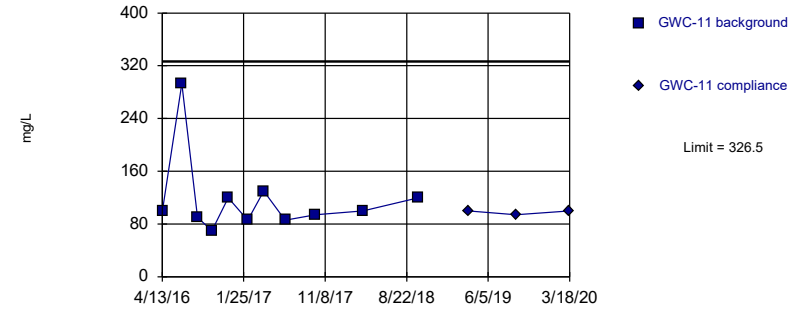


Background Data Summary: Mean=123.7, Std. Dev.=18.7, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

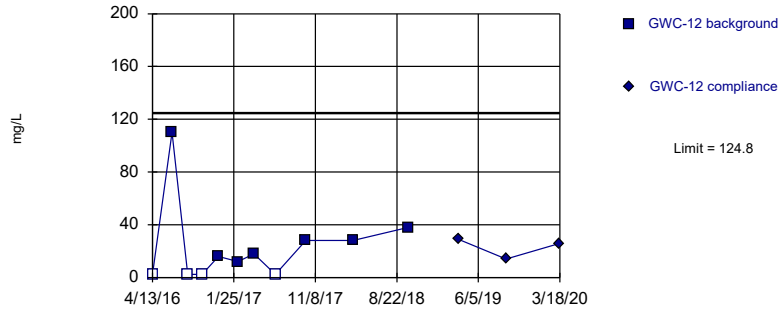


Background Data Summary (based on natural log transformation): Mean=4.684, Std. Dev.=0.3756, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.796, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

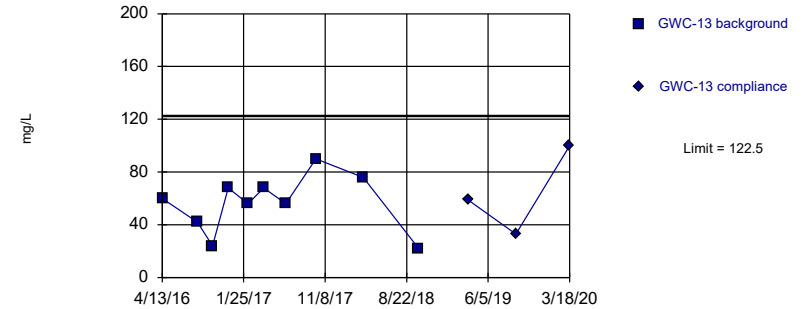


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.14, Std. Dev.=2.39, n=11, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8532, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

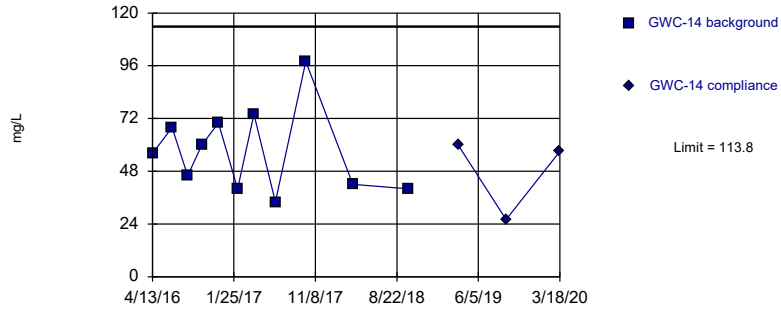


Background Data Summary: Mean=56.2, Std. Dev.=21.69, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.947, critical = 0.781. Kappa = 3.058 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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



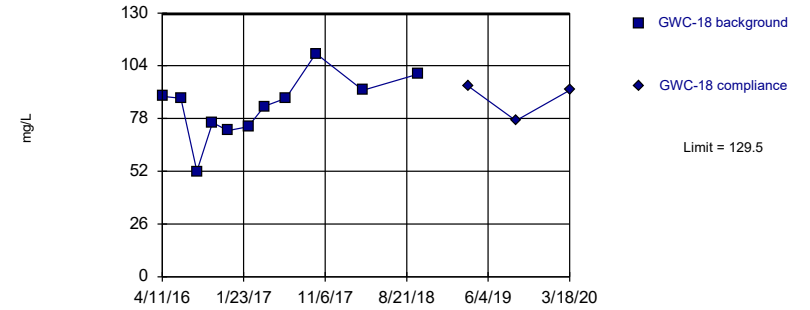
Within Limit Prediction Limit  
Intrawell Parametric



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

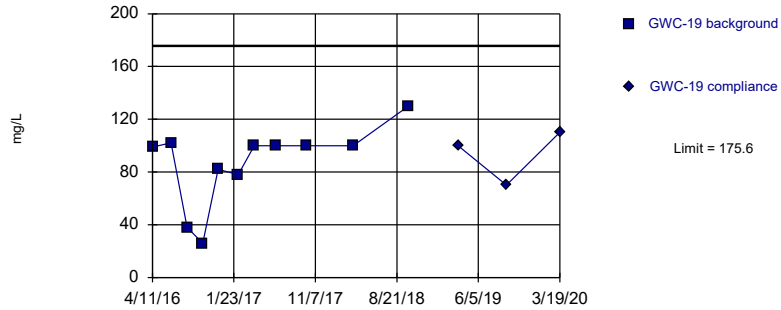
Within Limit Prediction Limit  
Intrawell Parametric



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

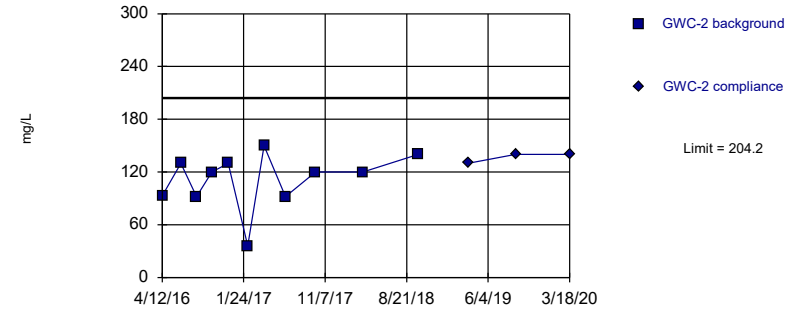
Within Limit Prediction Limit  
Intrawell Parametric



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

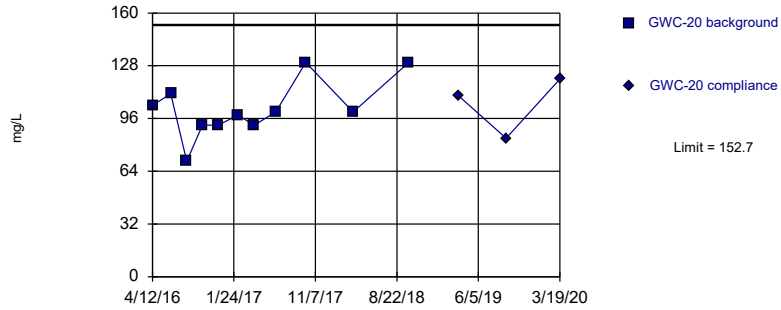


Background Data Summary: Mean=111.2, Std. Dev.=31.62, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

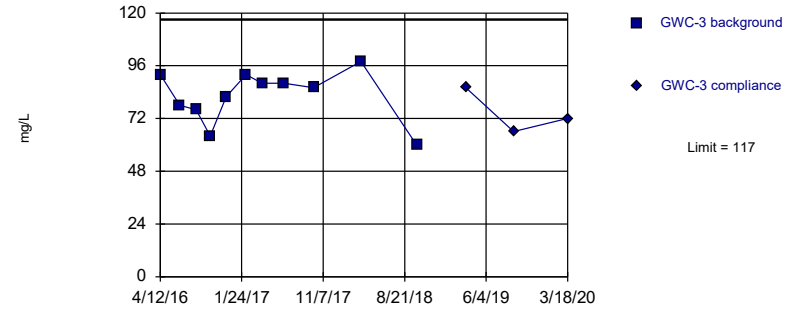


Background Data Summary: Mean=101.7, Std. Dev.=17.32, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

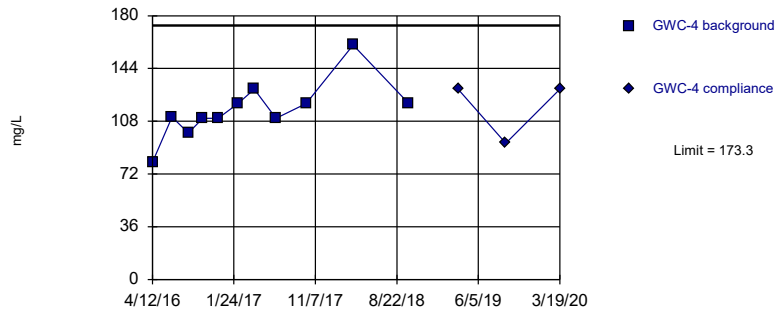


Background Data Summary: Mean=82.18, Std. Dev.=11.85, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9247, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

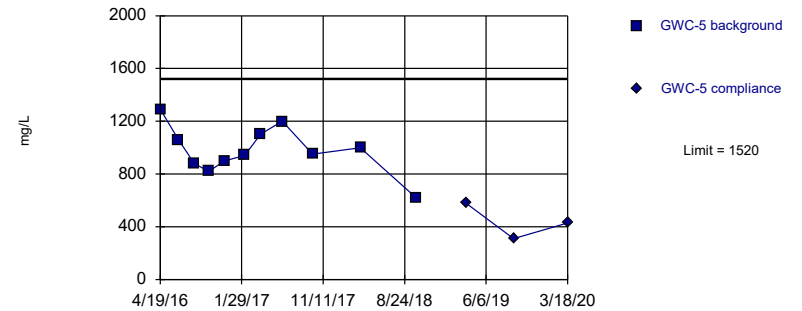


Background Data Summary: Mean=115.5, Std. Dev.=19.65, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

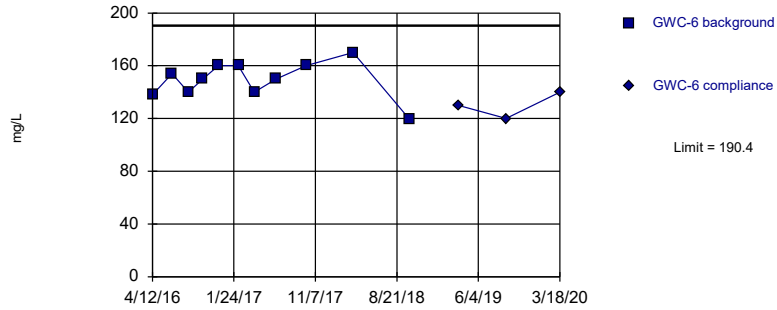


Background Data Summary: Mean=978.2, Std. Dev.=184.3, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

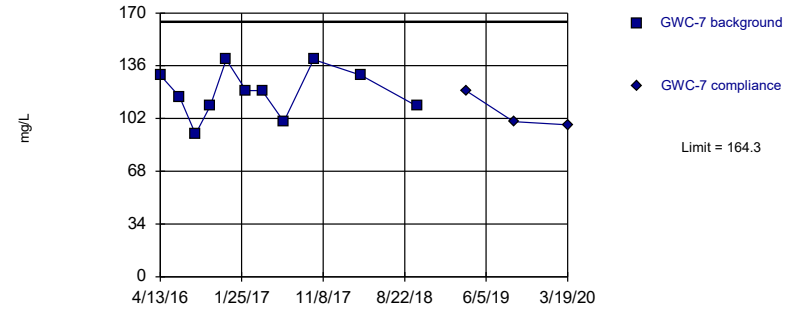


Background Data Summary: Mean=149.3, Std. Dev.=13.98, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9442, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

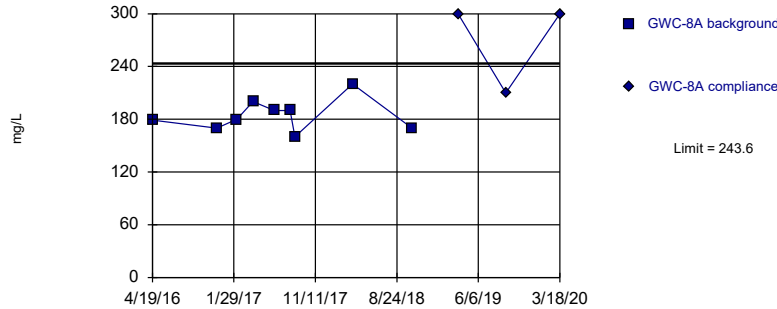


Background Data Summary: Mean=118.9, Std. Dev.=15.45, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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

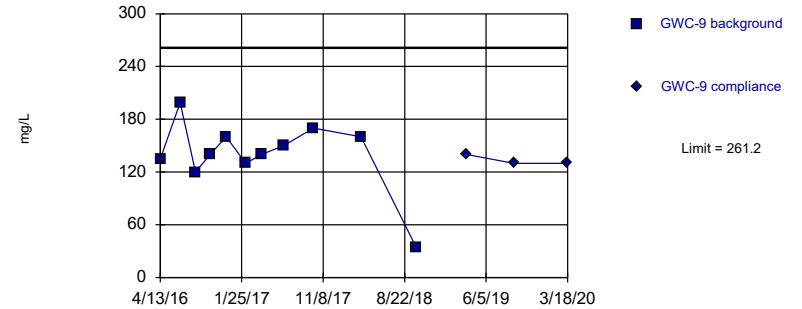


Background Data Summary: Mean=184.3, Std. Dev.=18.14, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.764. Kappa = 3.265 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

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 SO<sub>4</sub> (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

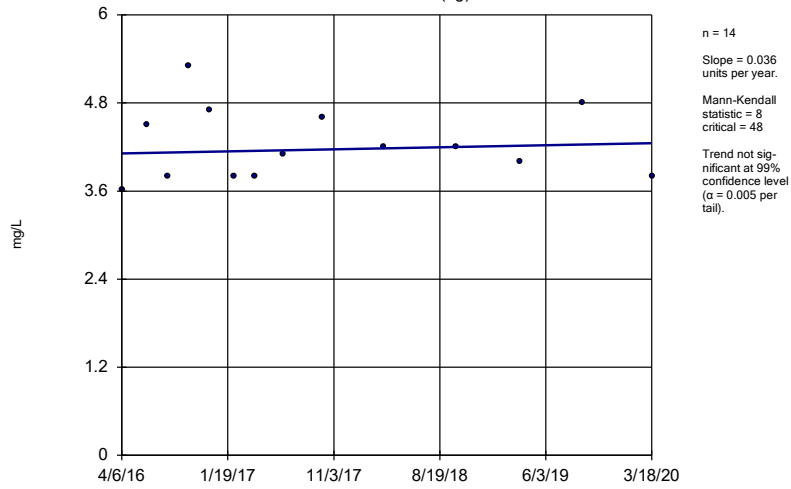
# Appendix III Trend Tests - All Results

Plant Scherer    Client: Southern Company    Data: Scherer Cell 1 CCR    Printed 6/19/2020, 9:30 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWA-15 (bg)	0.036	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

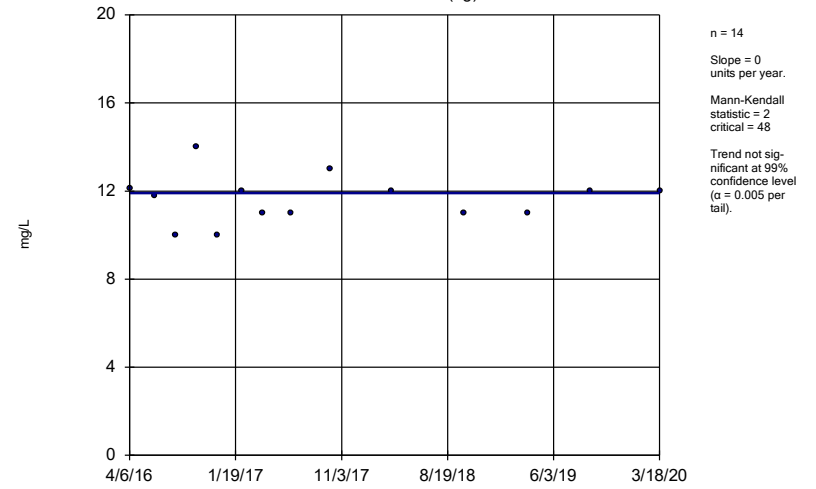
GWA-15 (bg)



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

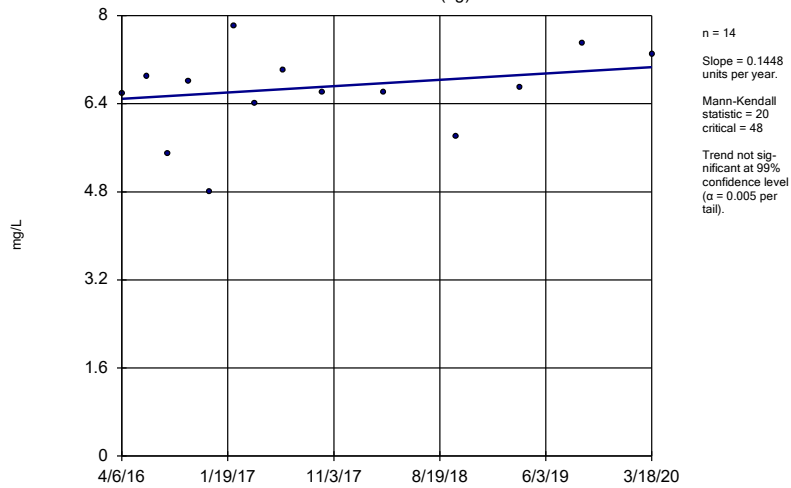
GWA-16 (bg)



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

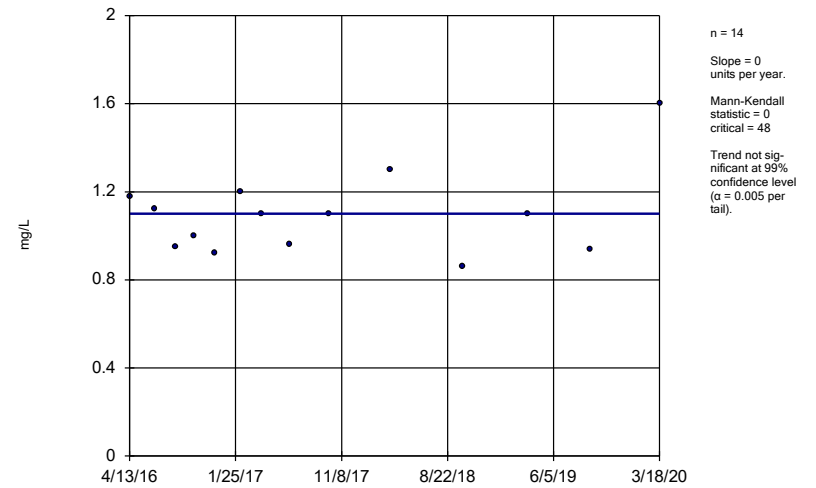
GWA-17 (bg)



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

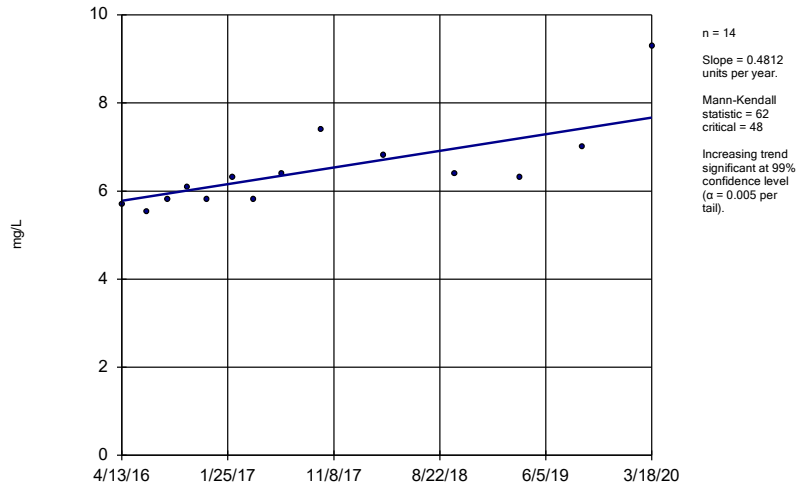
### Sen's Slope Estimator

GWC-12



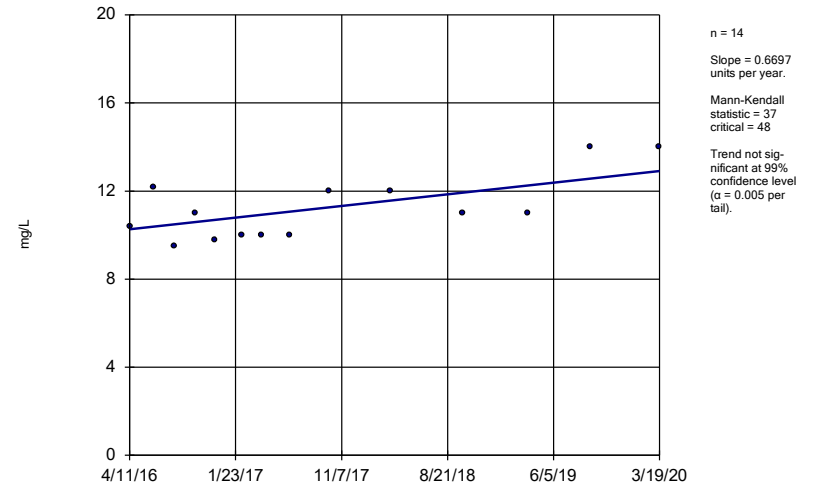
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-13



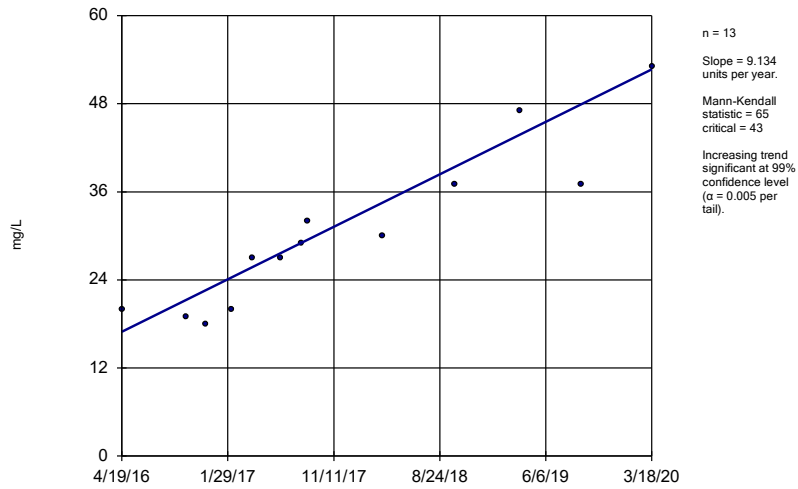
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



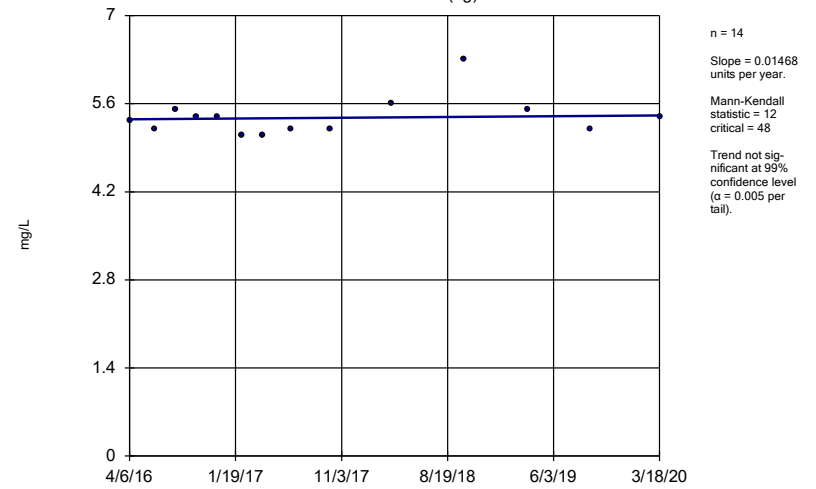
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-8A



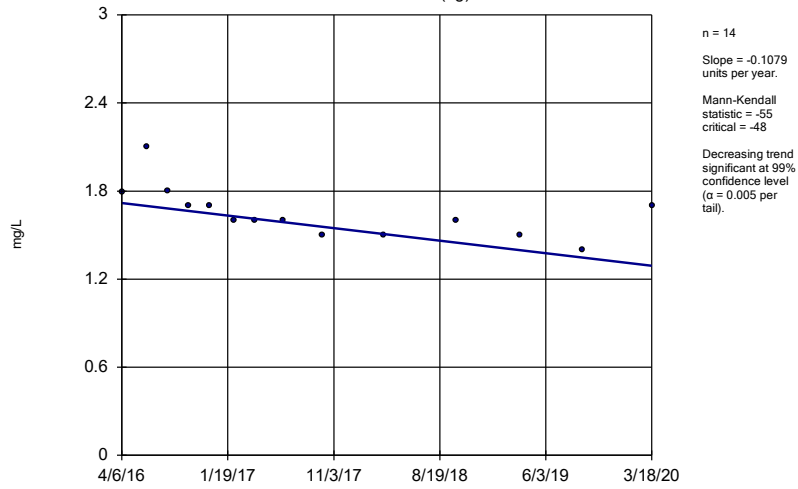
Constituent: Calcium, total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)



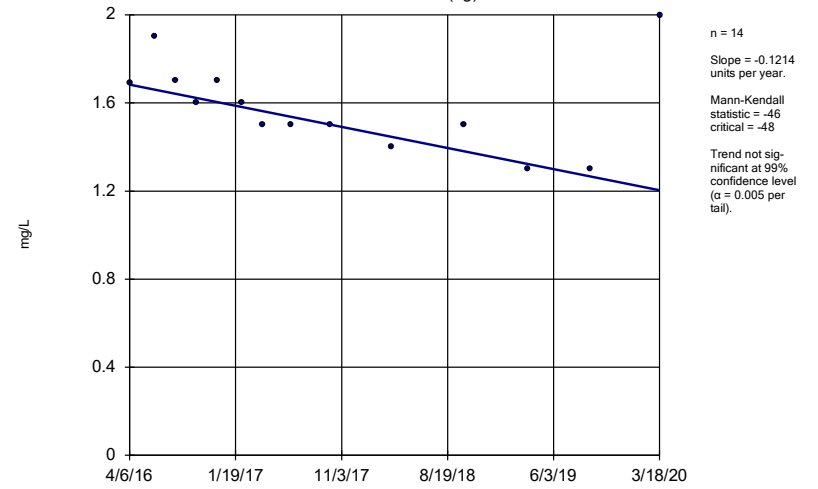
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



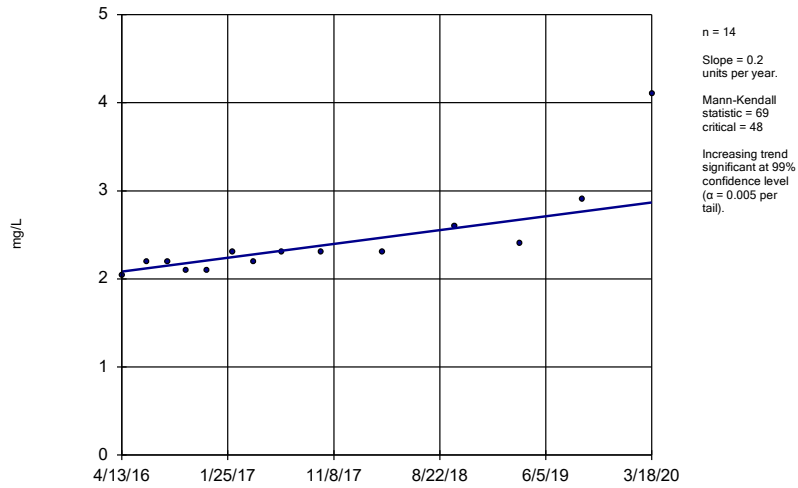
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



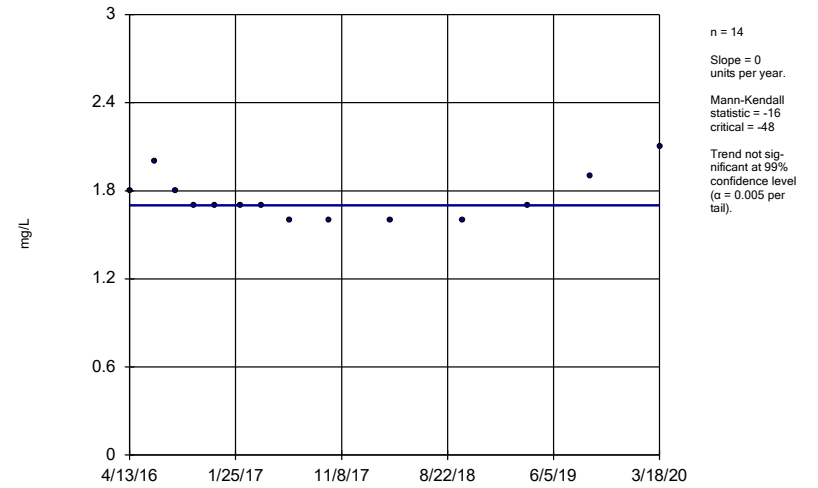
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-10



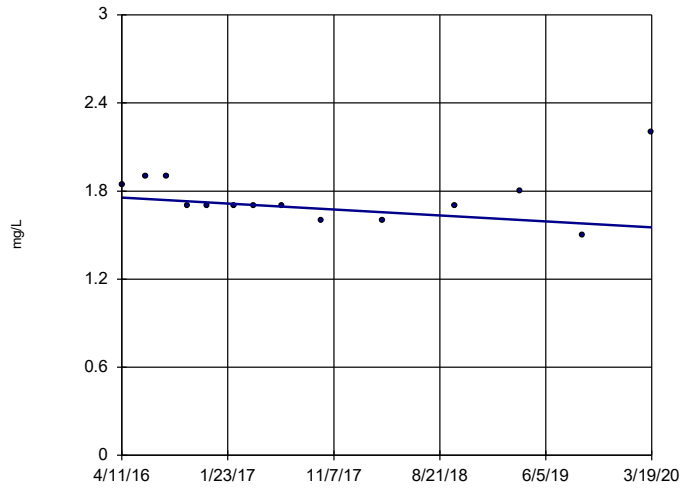
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-12



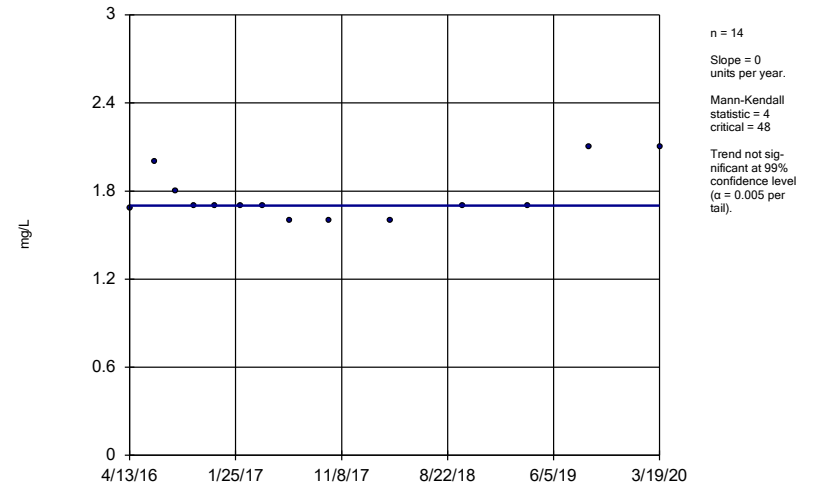
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



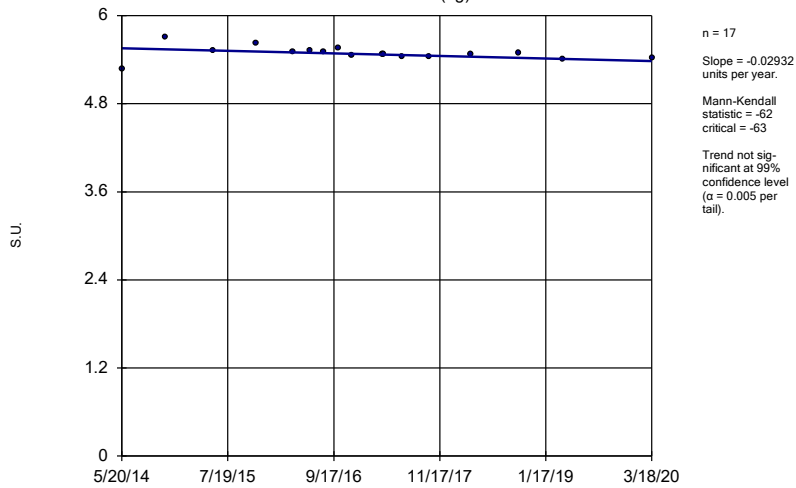
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-7



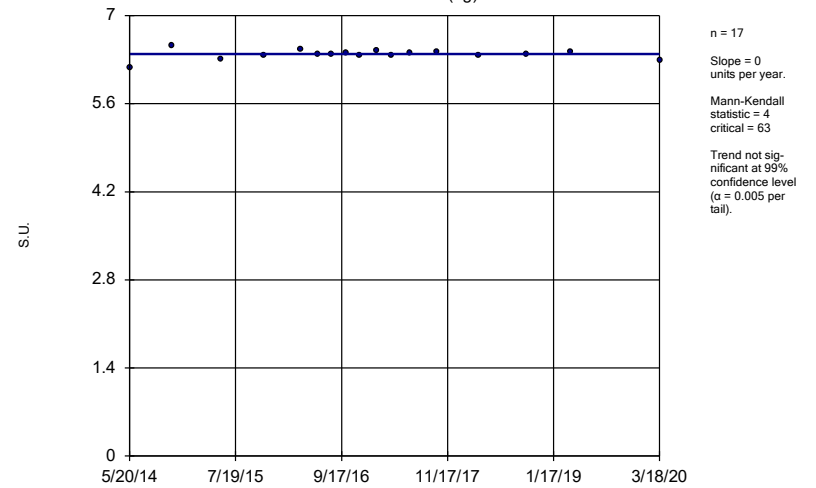
Constituent: Chloride, Total Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-15 (bg)



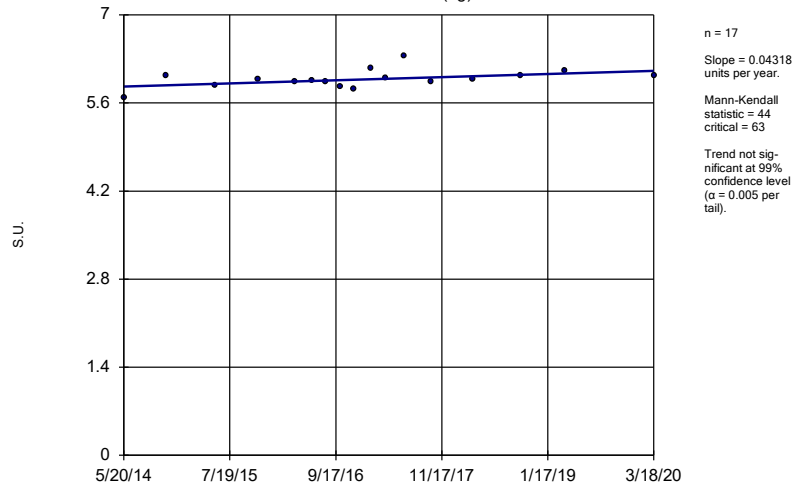
Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-16 (bg)



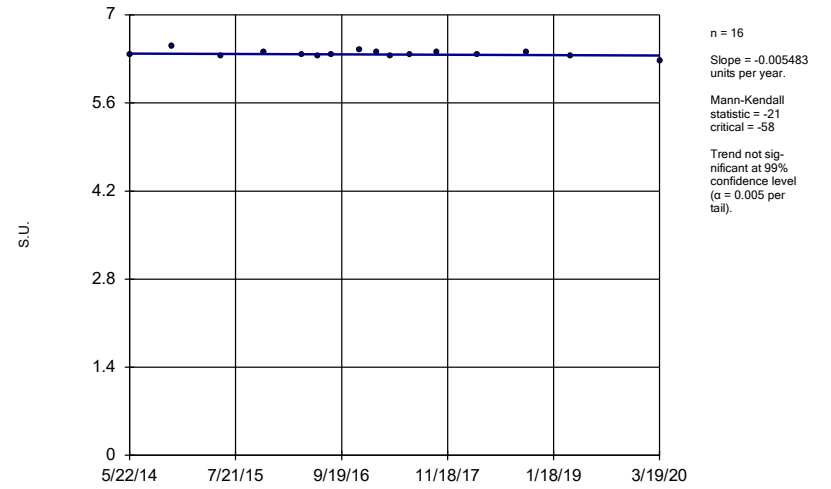
Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWA-17 (bg)



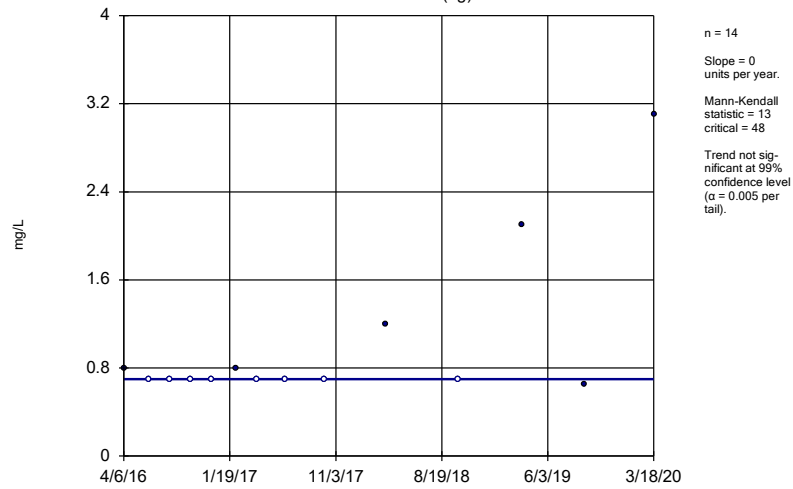
Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
GWC-19



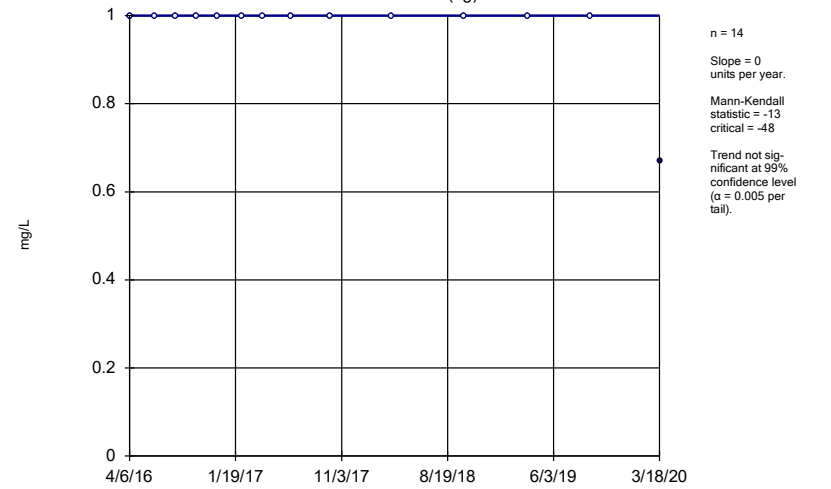
Constituent: pH, Field Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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

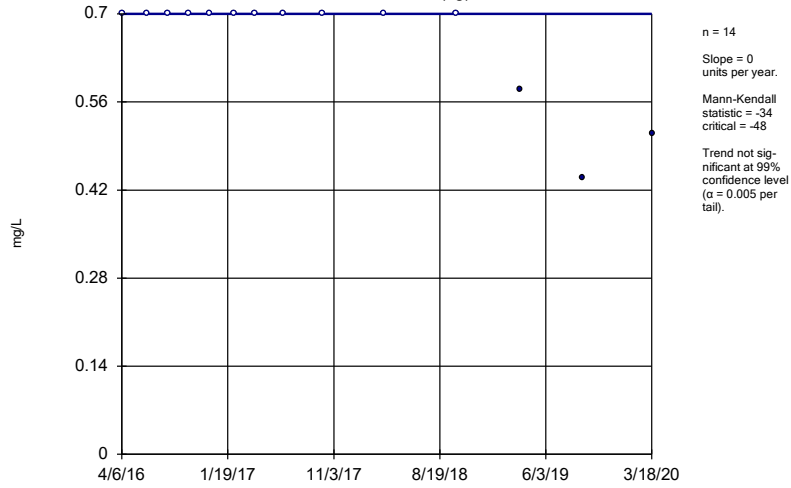
Sen's Slope Estimator  
GWA-16 (bg)



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

### Sen's Slope Estimator

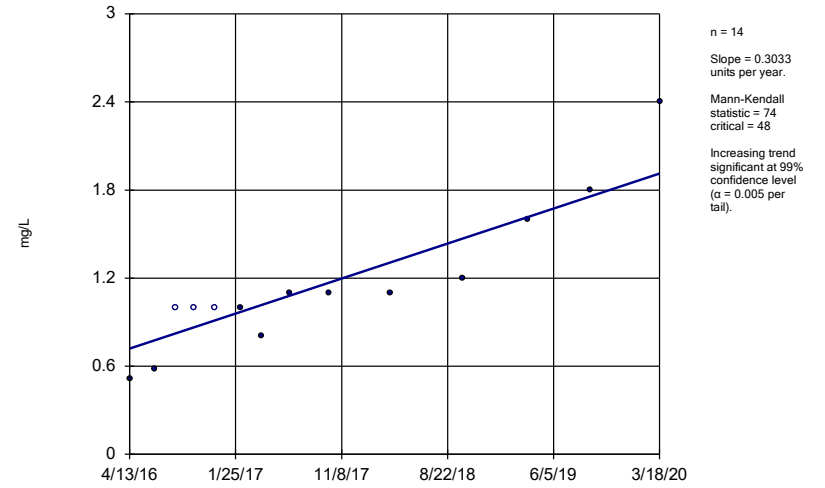
GWA-17 (bg)



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

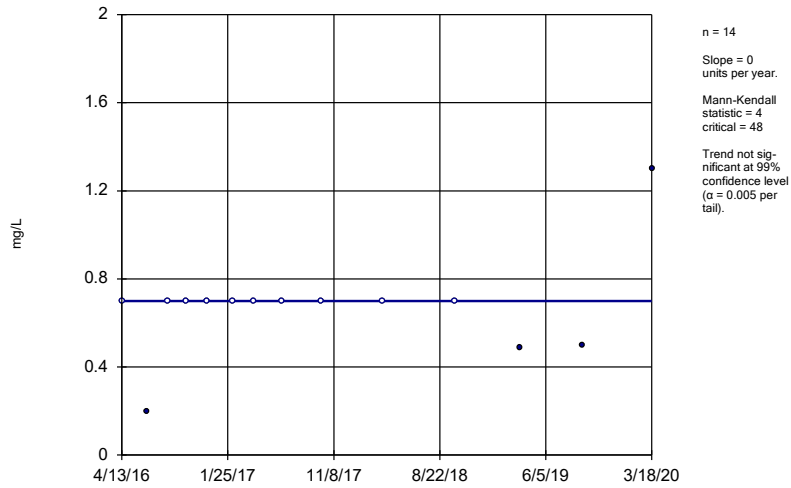
GWC-10



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

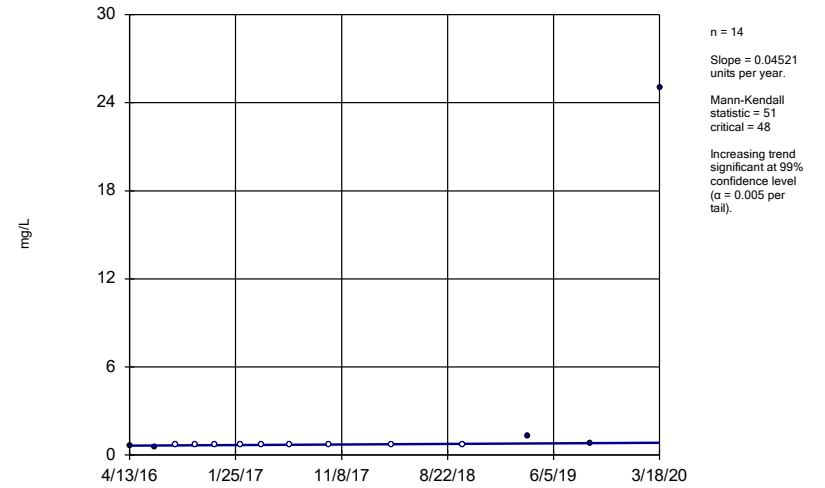
GWC-12



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

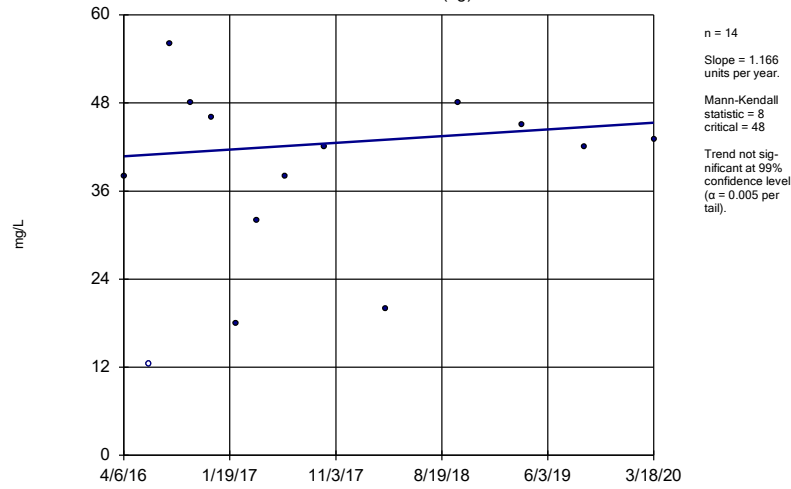
GWC-13



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

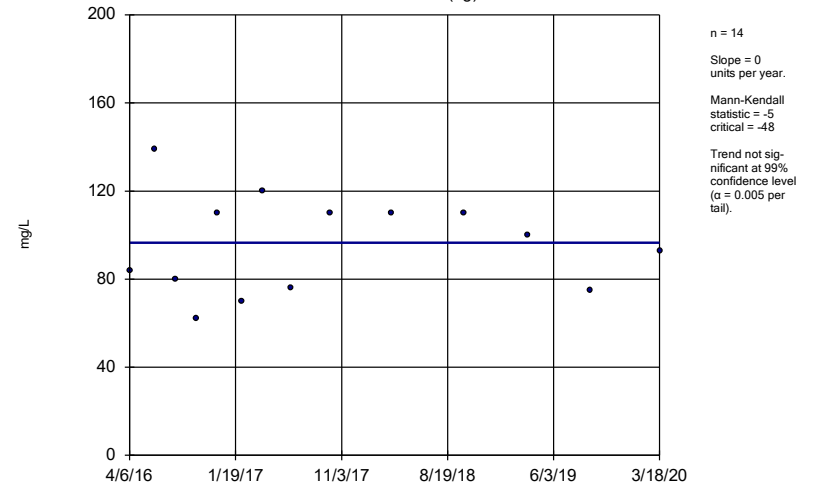


Sen's Slope Estimator  
 GWA-15 (bg)



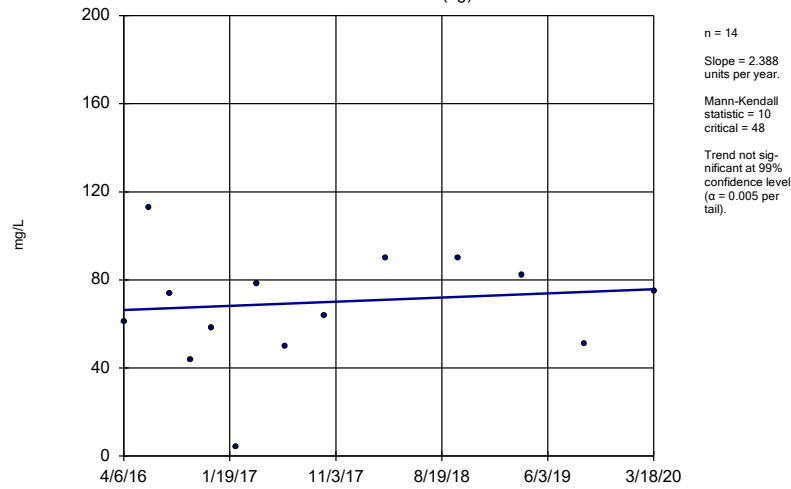
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator  
 GWA-16 (bg)



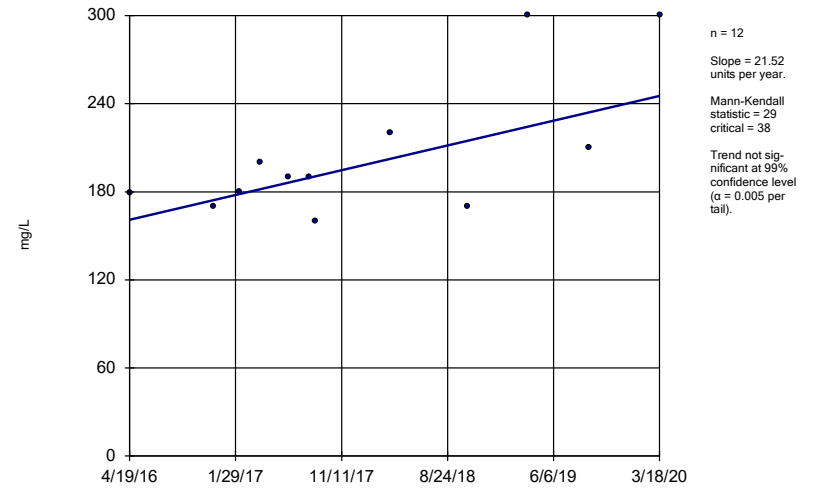
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 9:28 AM View: Appendix III - Trend Tes  
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

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

**STATISTICAL ANALYSES REPORTS**

# PAC ASH CELL

## 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>0</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

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>

# 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

# 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>







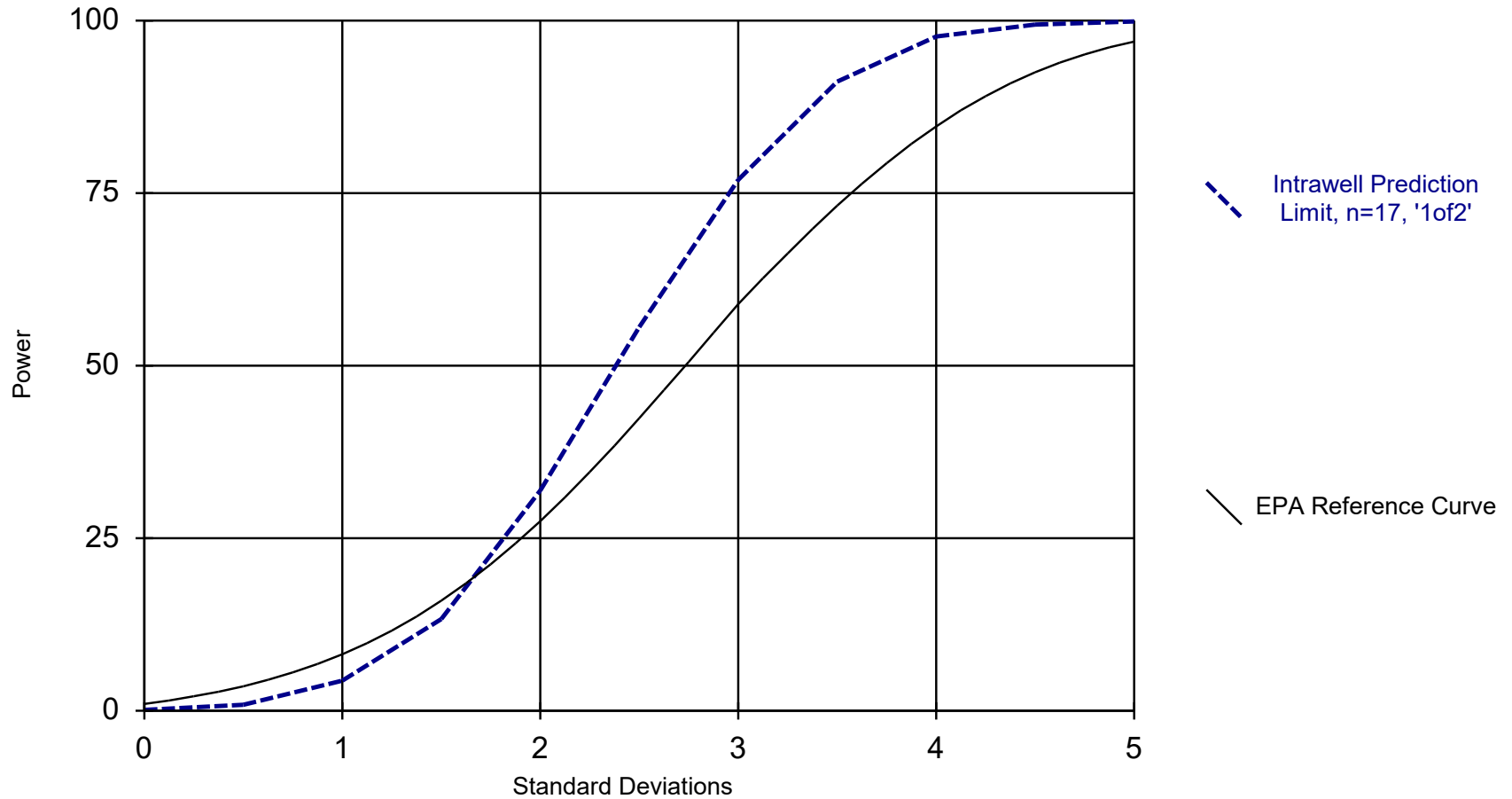


# Outlier Summary

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

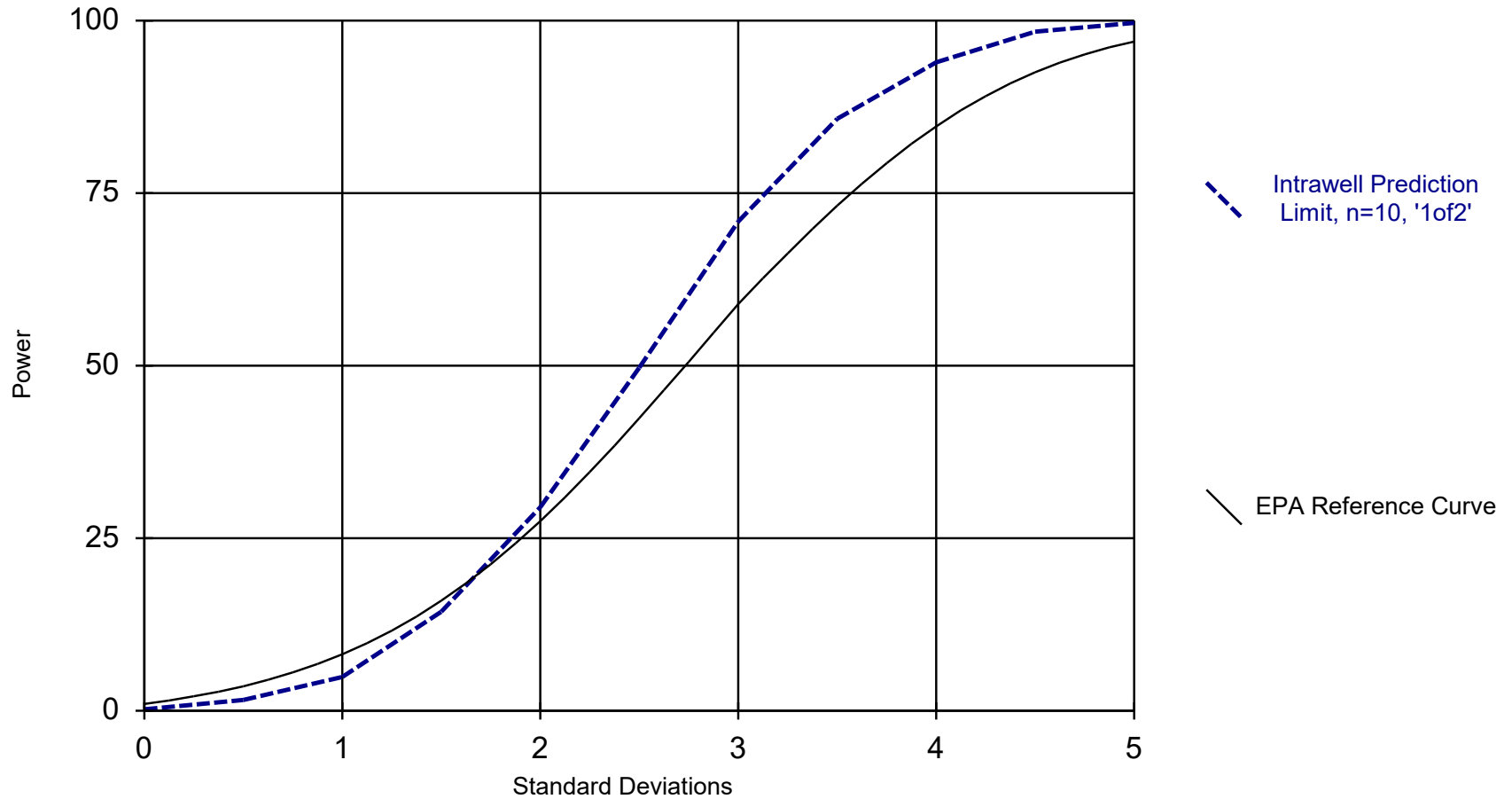


Kappa = 2.343, based on 5 compliance wells and 13 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/19/2020 11:42 AM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Appendix III Intrawell Power Curve



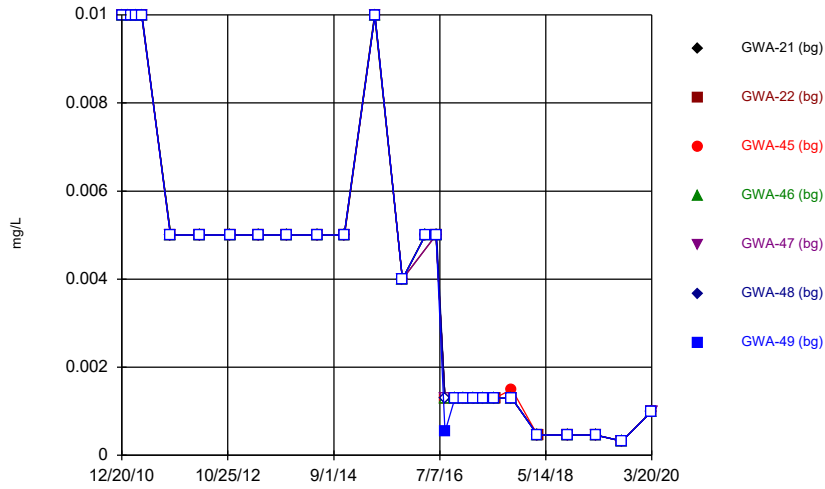
Kappa = 2.478, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/18/2020 1:26 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

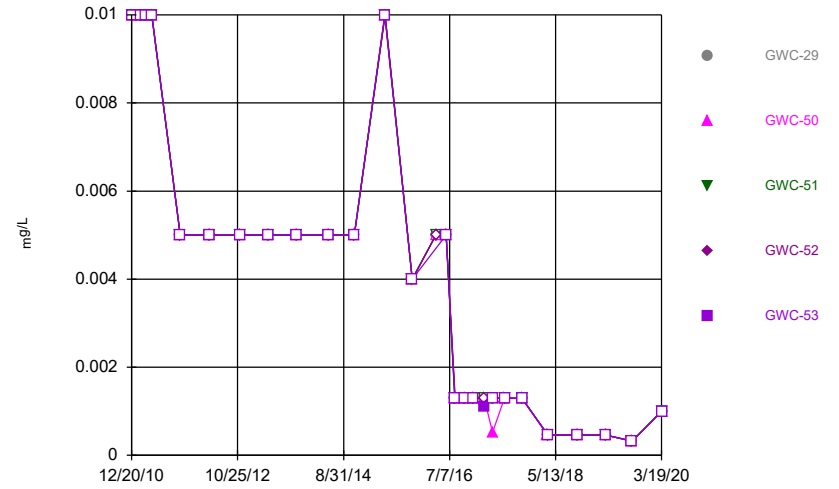
FIGURE A.

Time Series



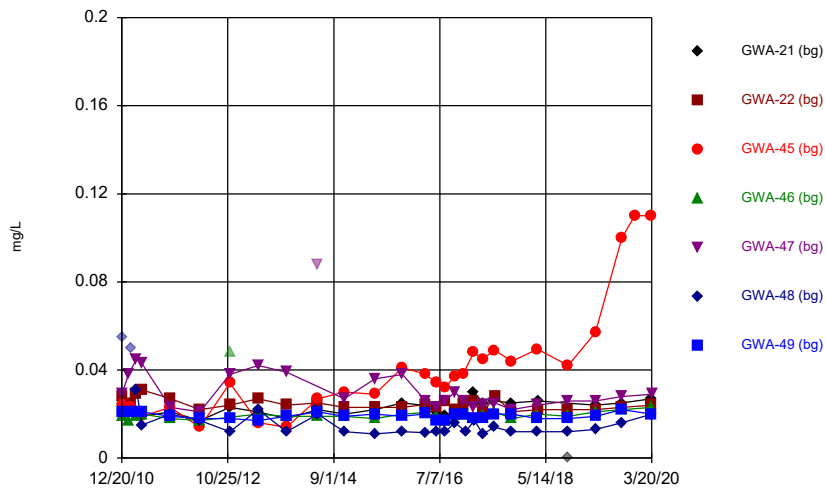
Constituent: Arsenic, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



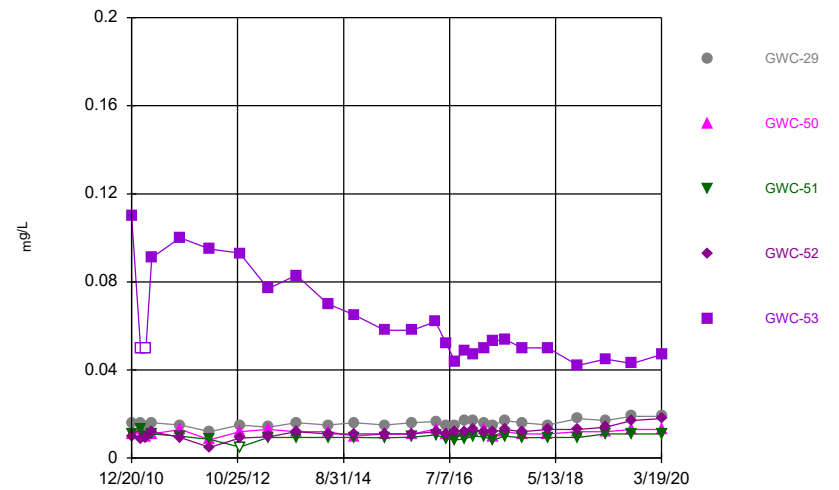
Constituent: Arsenic, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Barium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

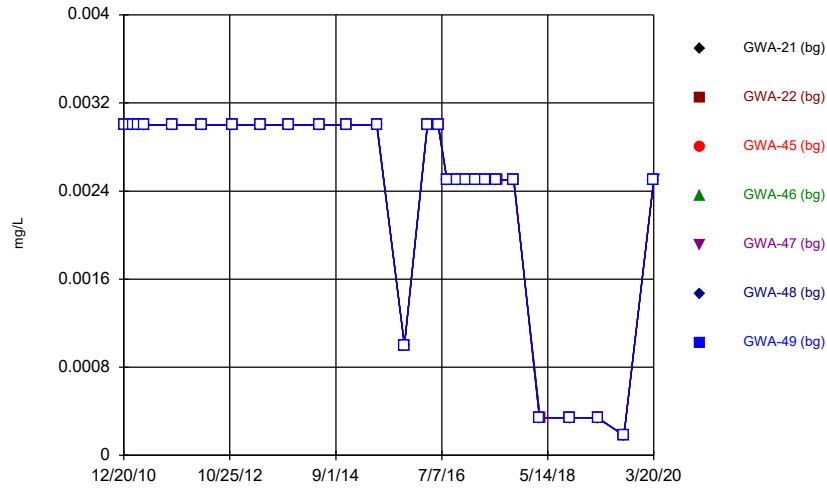
Time Series



Constituent: Barium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

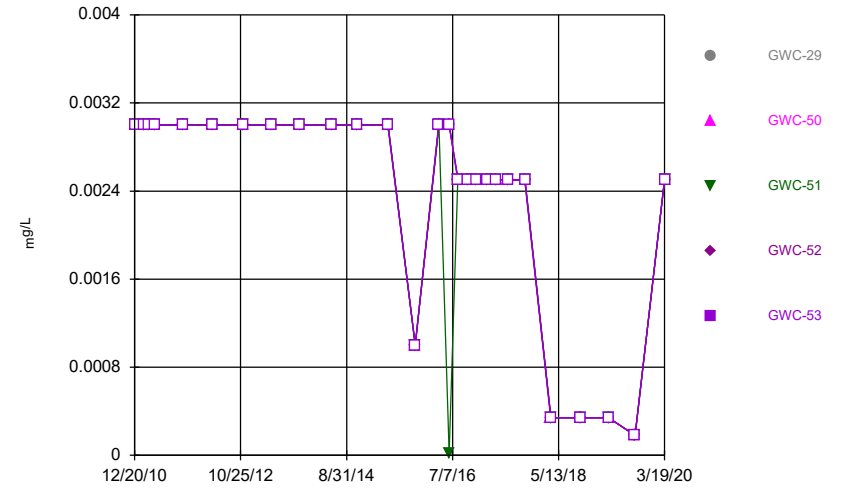


Time Series



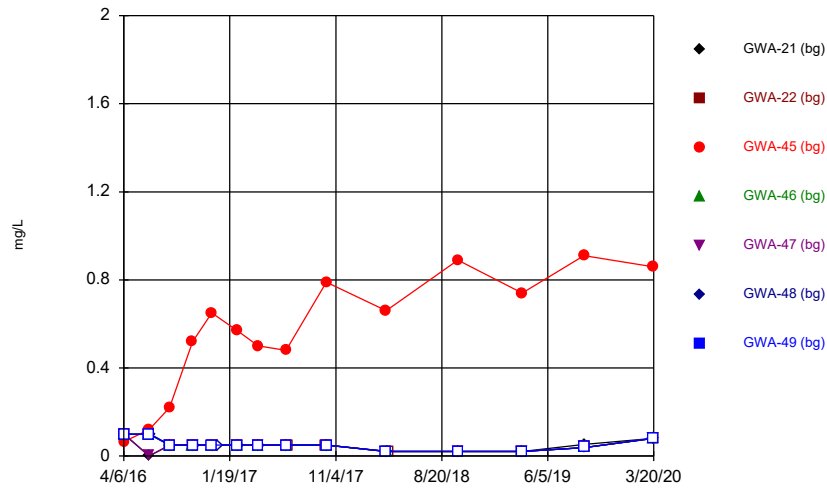
Constituent: Beryllium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



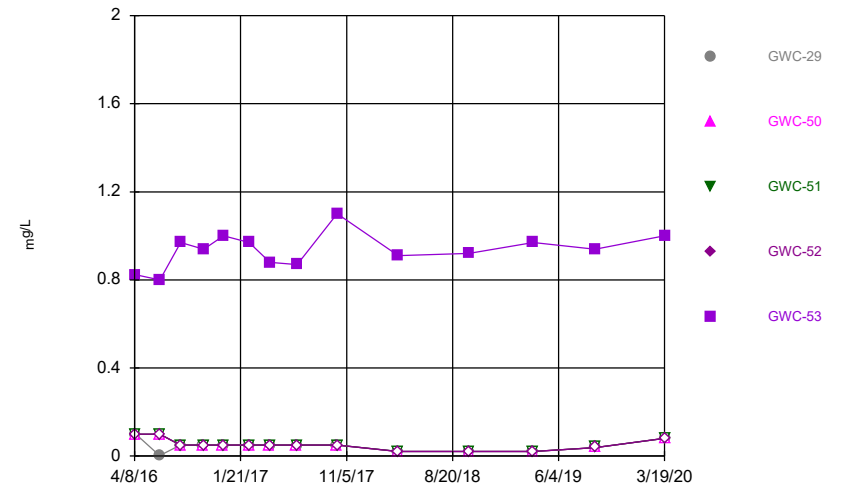
Constituent: Beryllium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



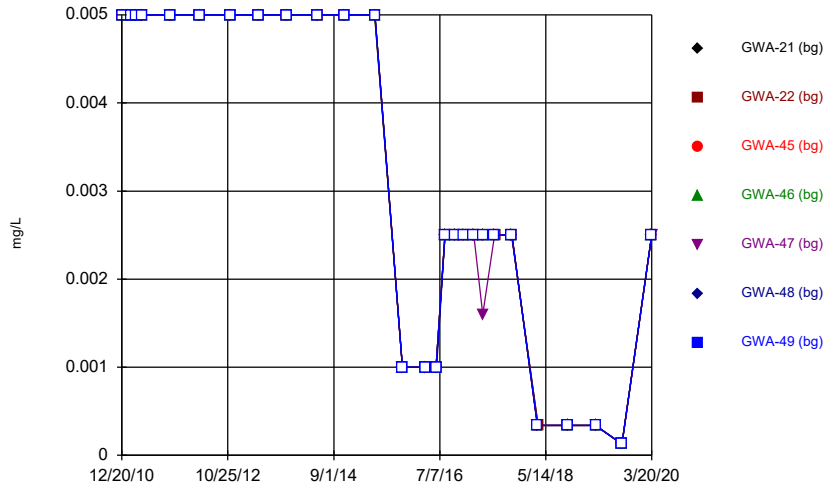
Constituent: Boron, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



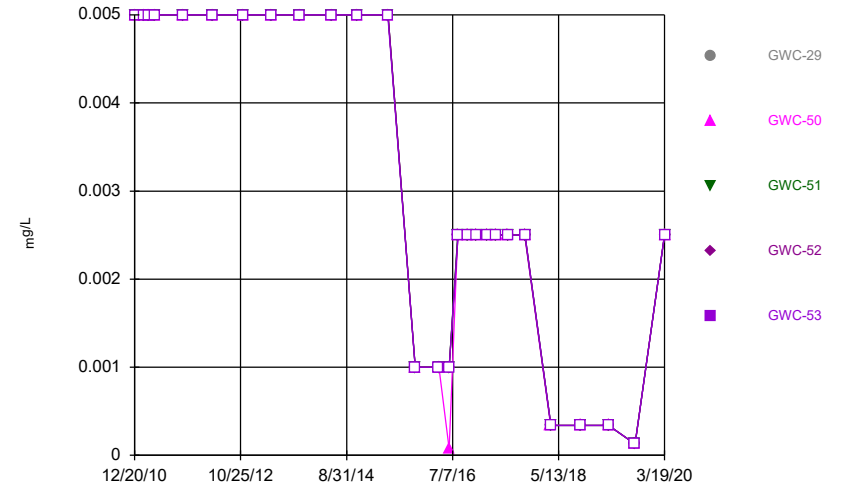
Constituent: Boron, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



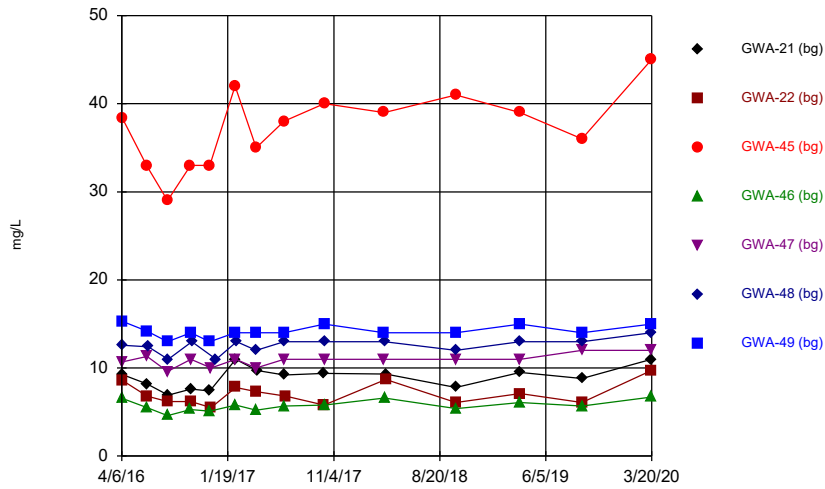
Constituent: Cadmium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



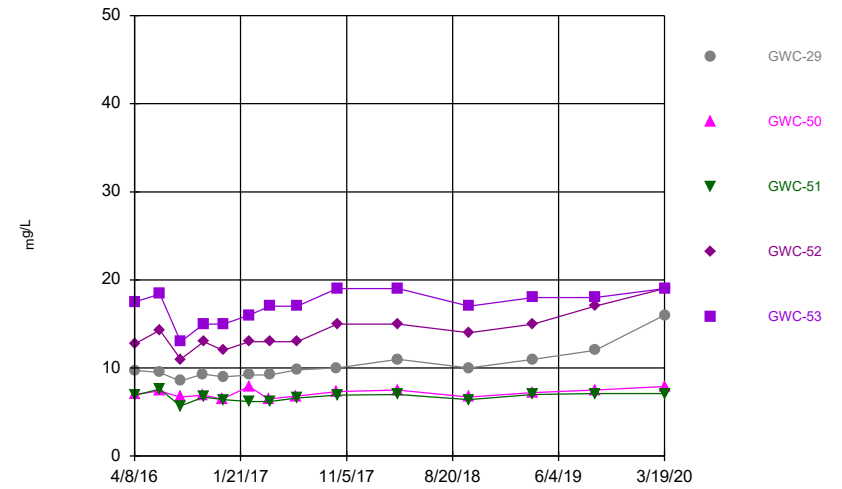
Constituent: Cadmium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



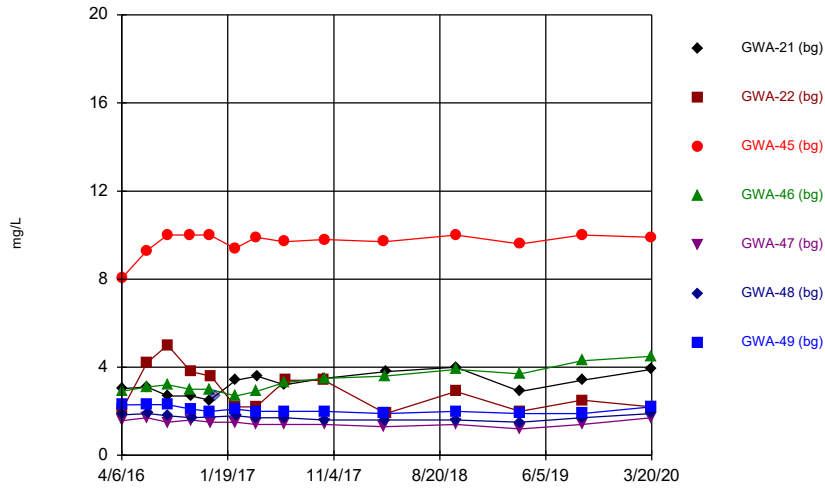
Constituent: Calcium, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



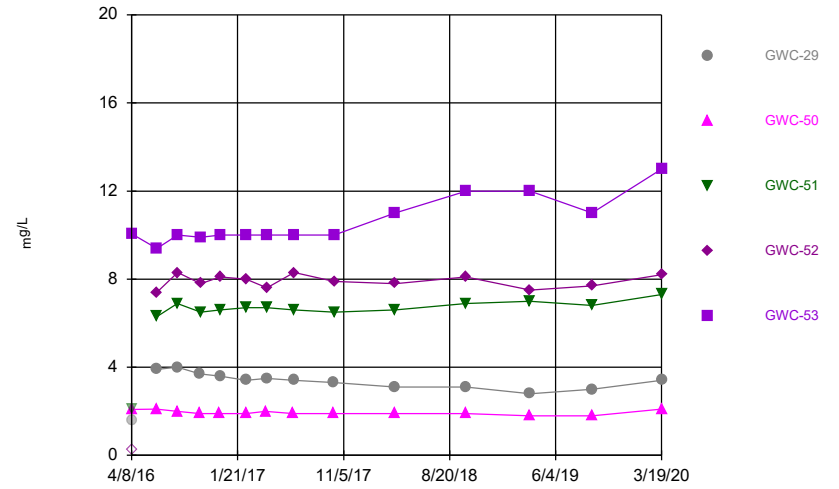
Constituent: Calcium, total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



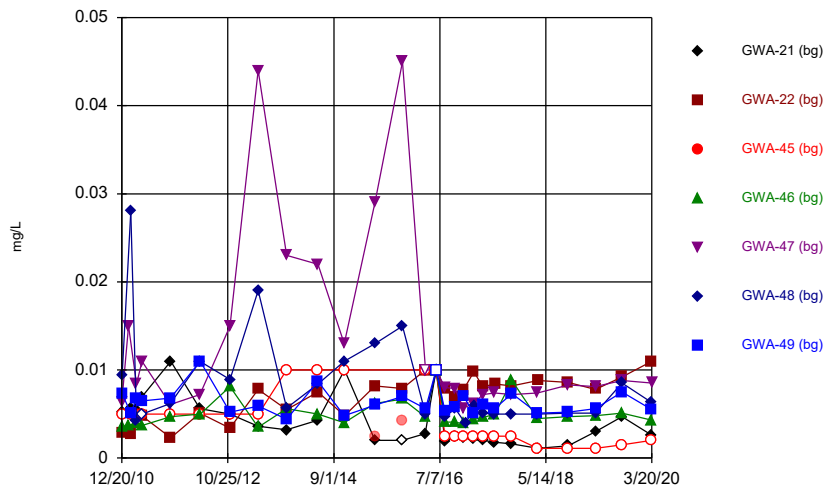
Constituent: Chloride, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



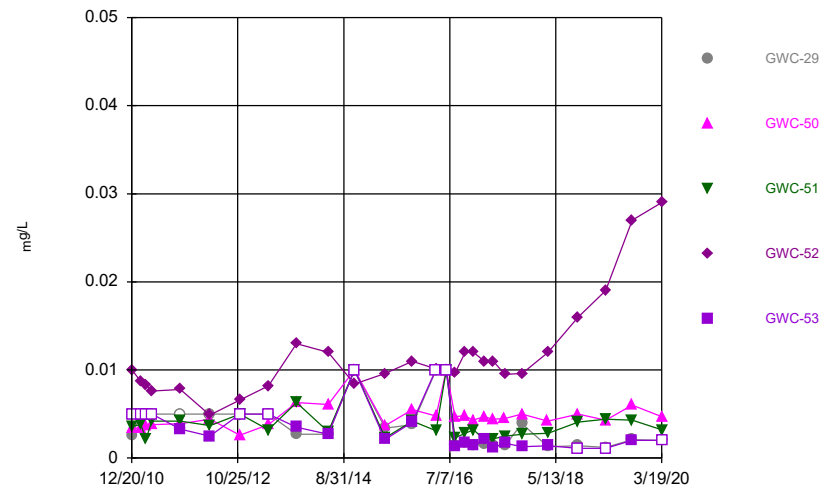
Constituent: Chloride, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



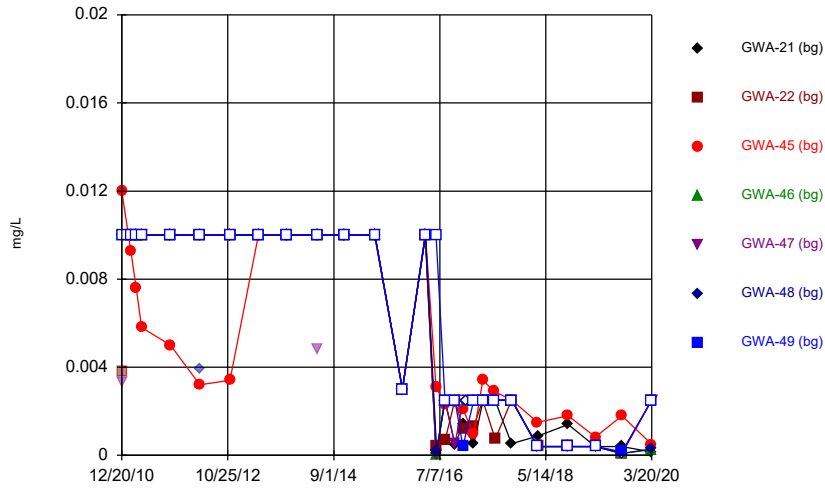
Constituent: Chromium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



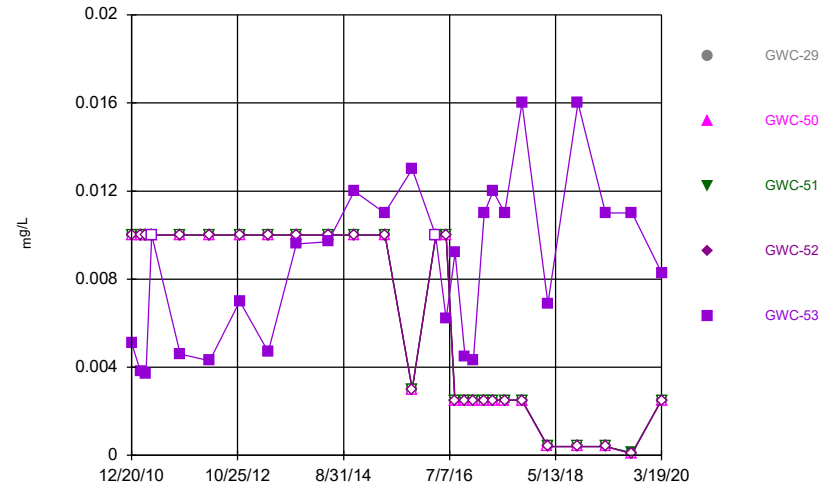
Constituent: Chromium, Total Analysis Run 6/20/2020 9:19 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



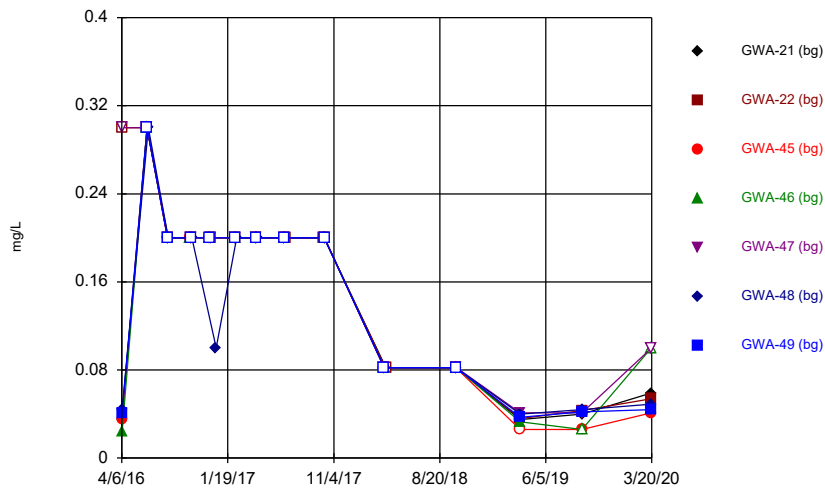
Constituent: Cobalt, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



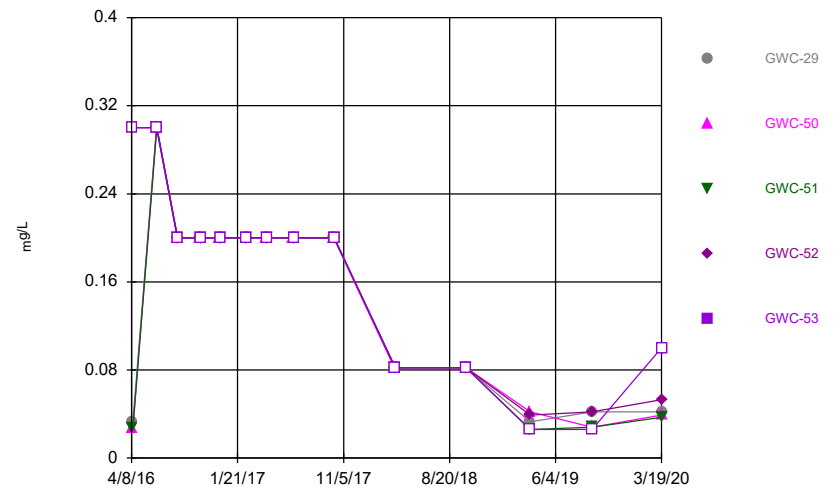
Constituent: Cobalt, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



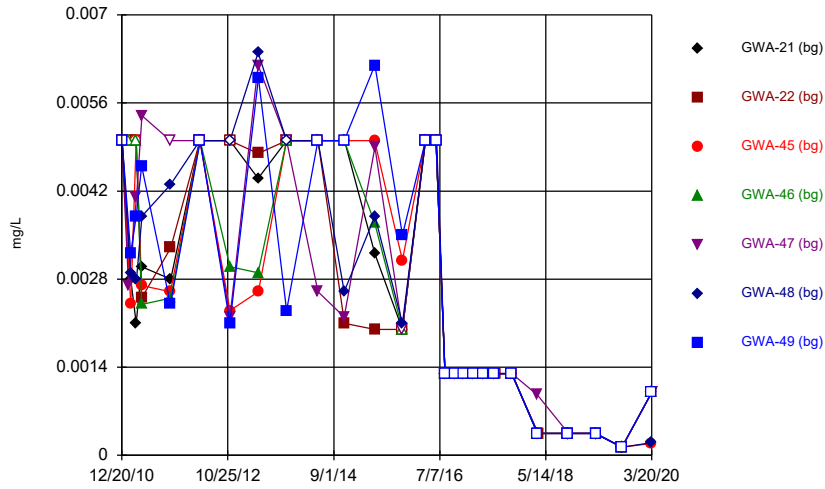
Constituent: Fluoride, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



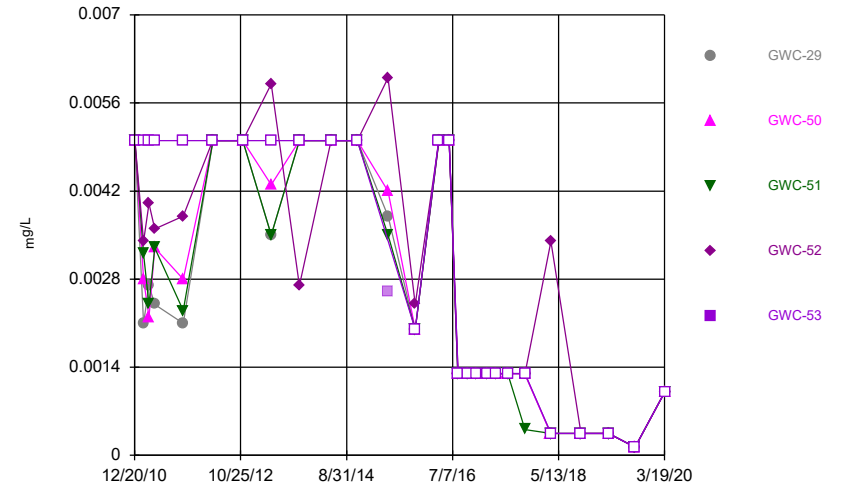
Constituent: Fluoride, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



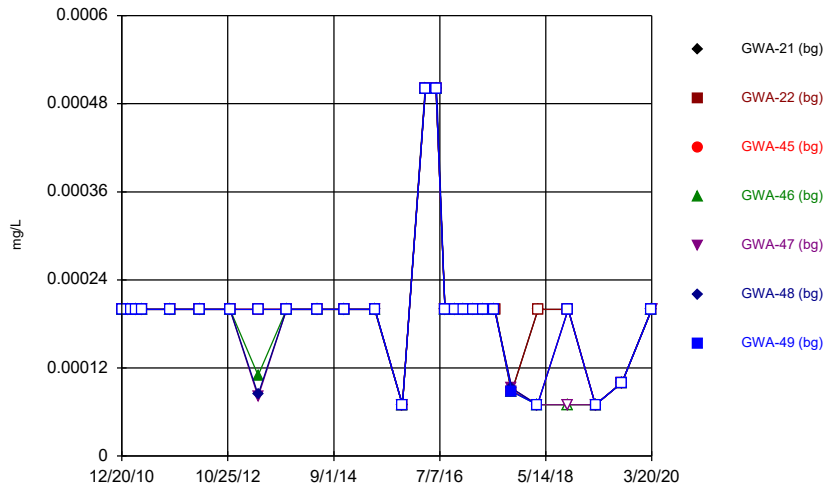
Constituent: Lead, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



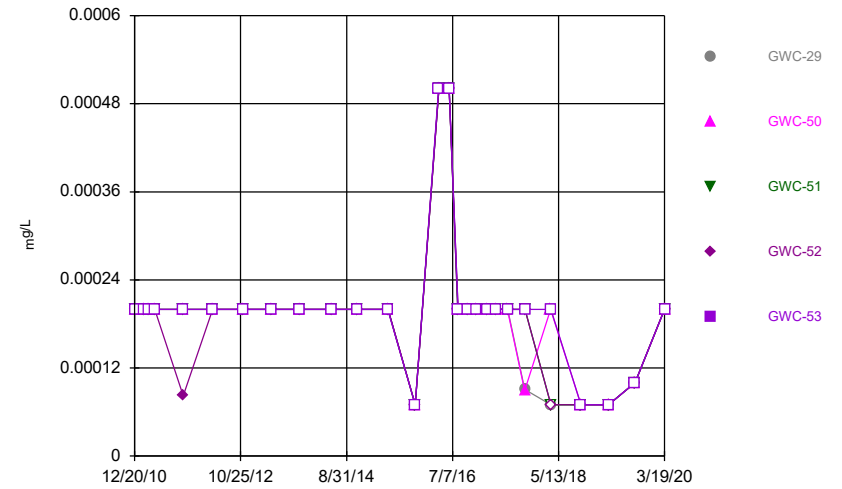
Constituent: Lead, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



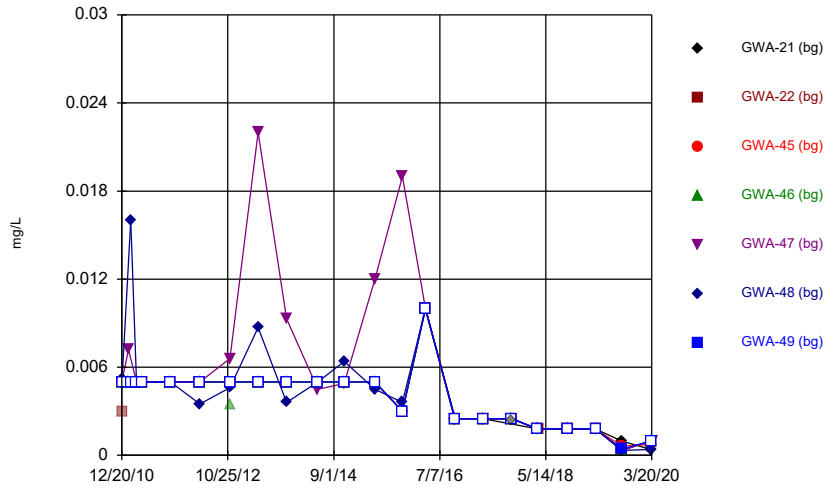
Constituent: Mercury, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



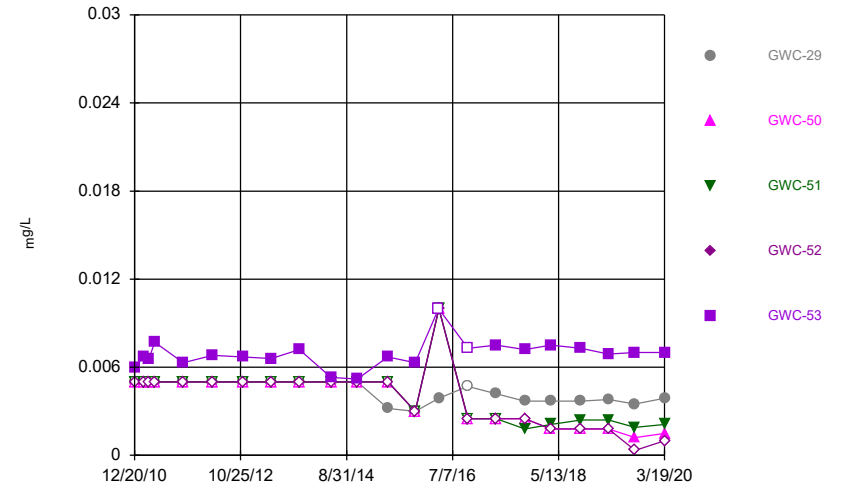
Constituent: Mercury, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



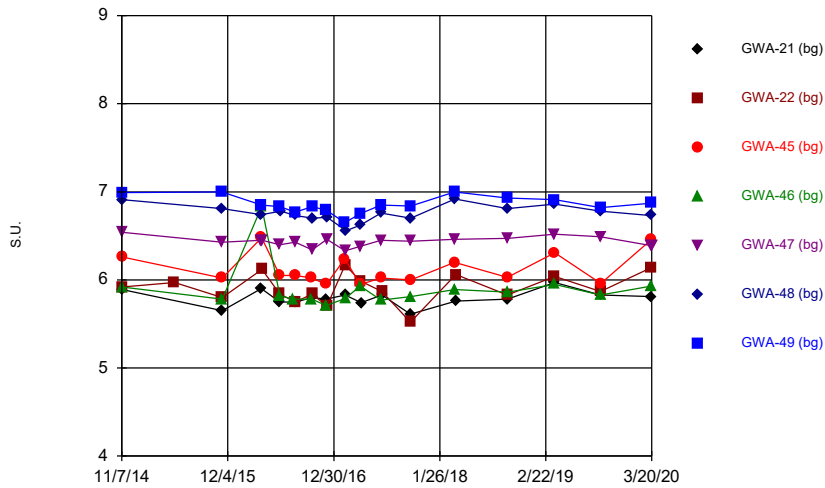
Constituent: Nickel, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



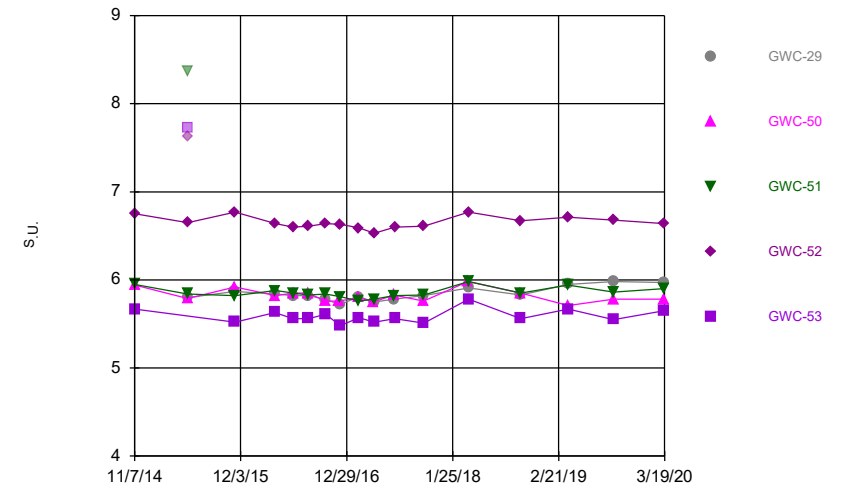
Constituent: Nickel, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



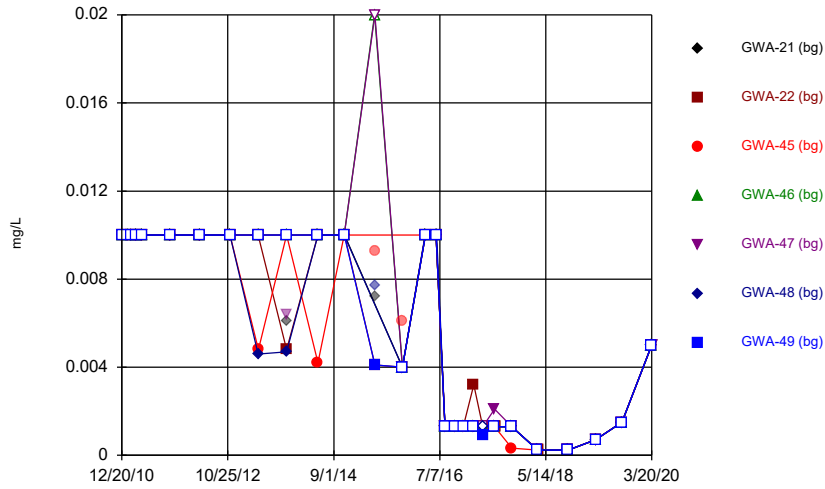
Constituent: pH Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



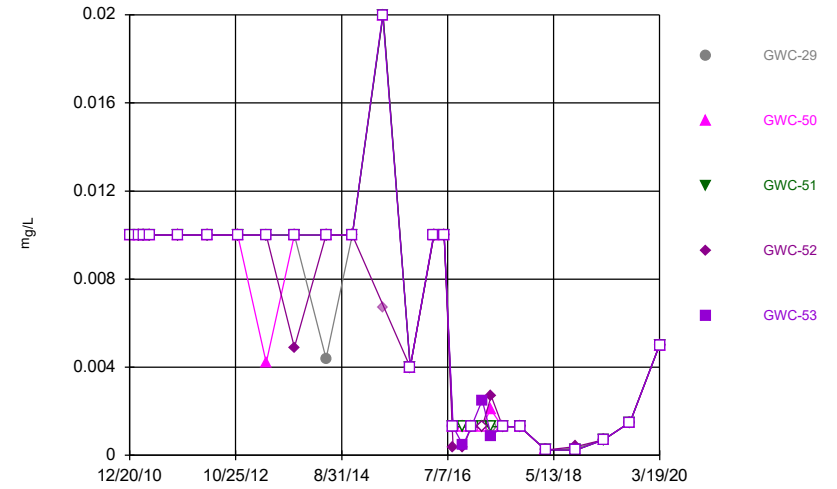
Constituent: pH Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



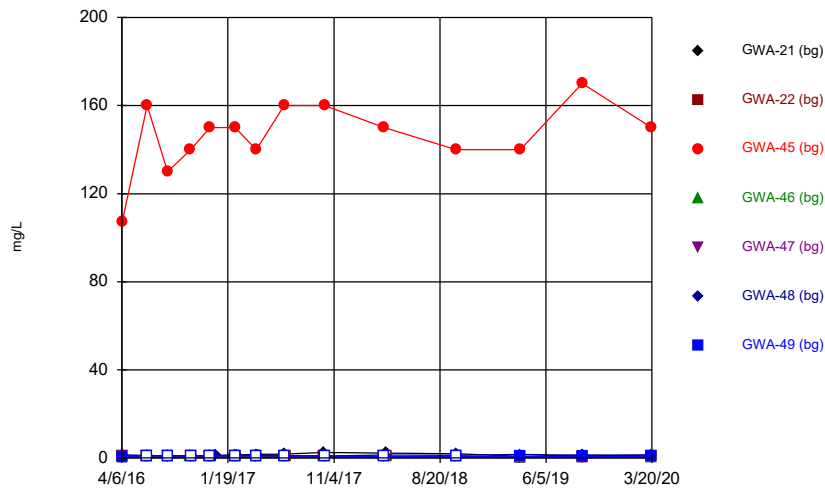
Constituent: Selenium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



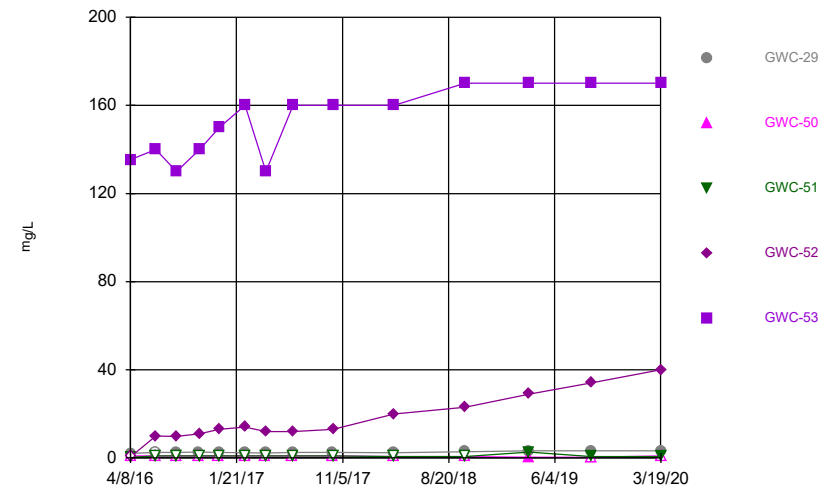
Constituent: Selenium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



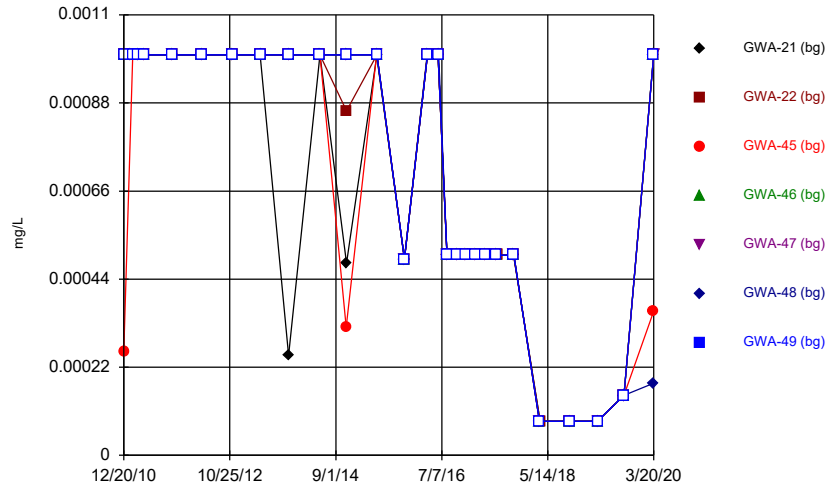
Constituent: Sulfate, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



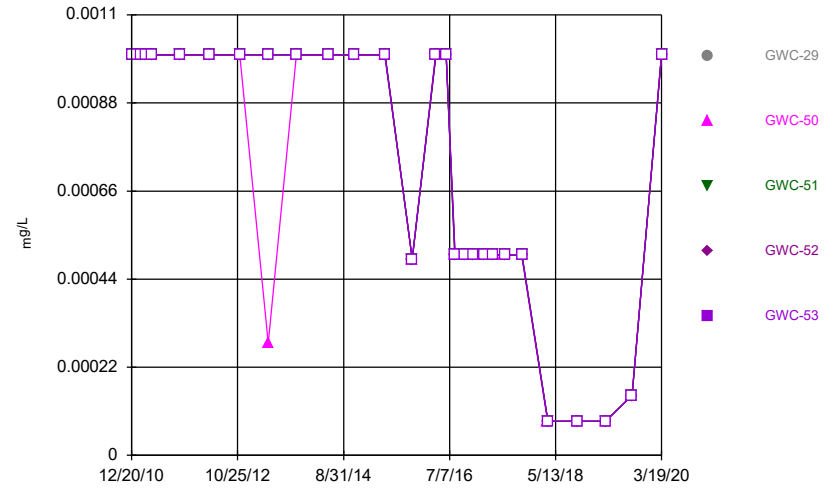
Constituent: Sulfate, total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



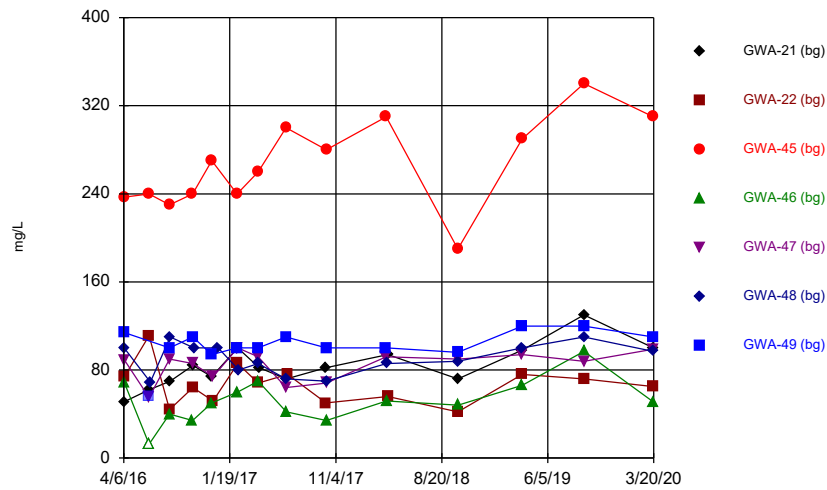
Constituent: Thallium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



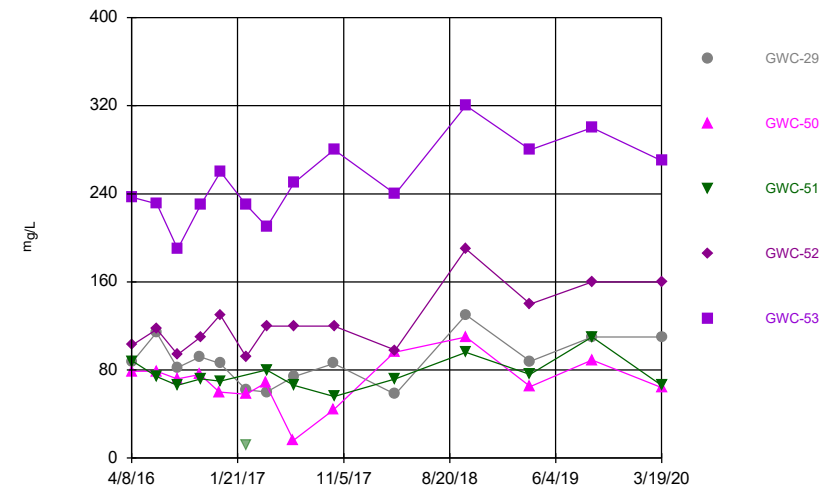
Constituent: Thallium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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

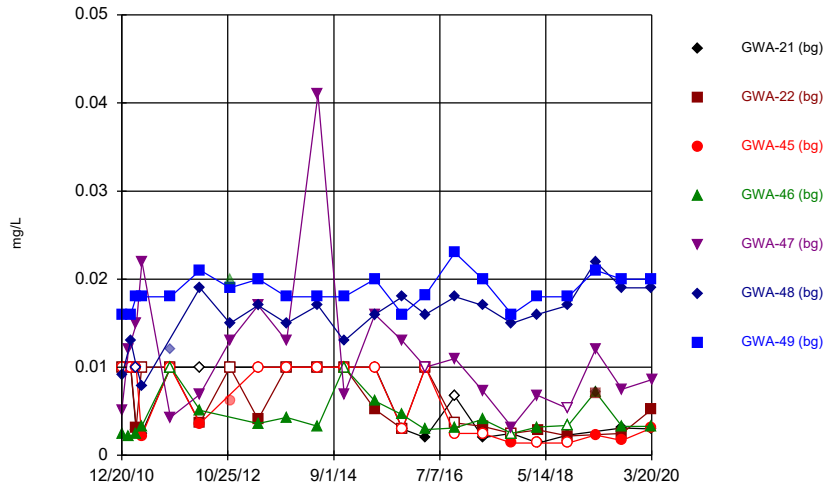
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

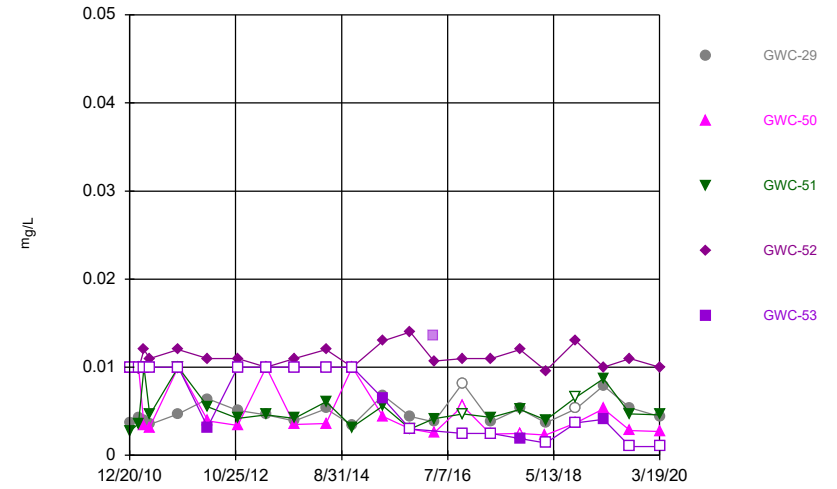


Time Series



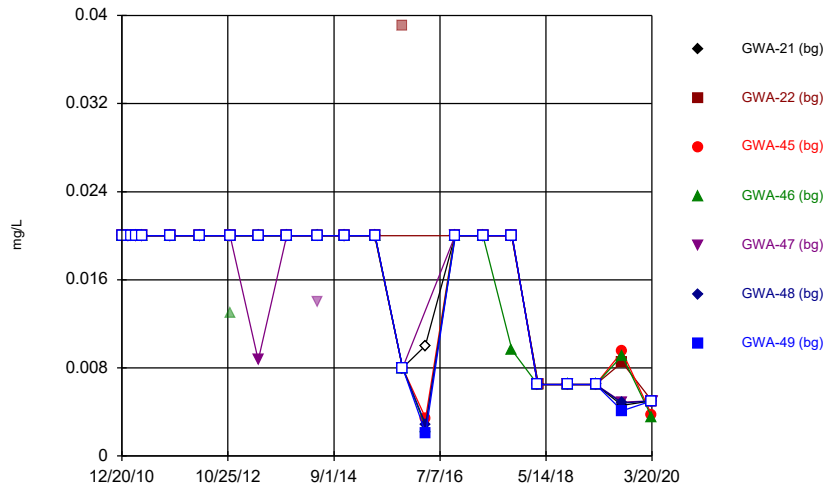
Constituent: Vanadium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



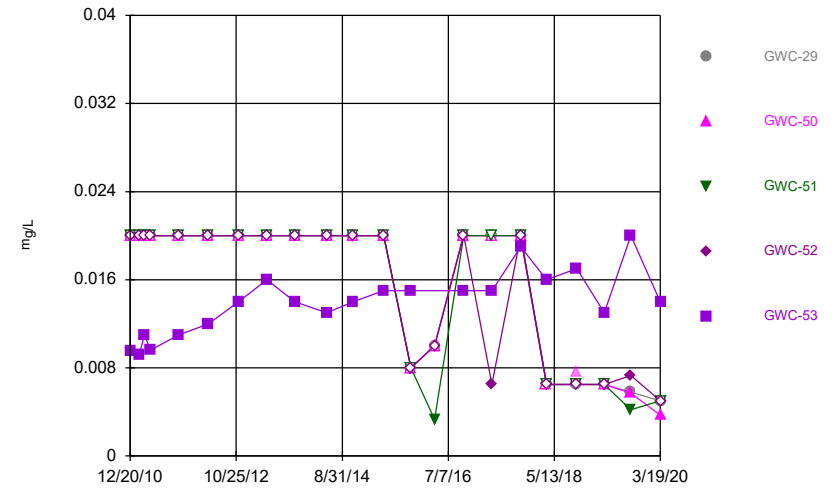
Constituent: Vanadium, Total Analysis Run 6/20/2020 9:20 AM View: Descriptive  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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

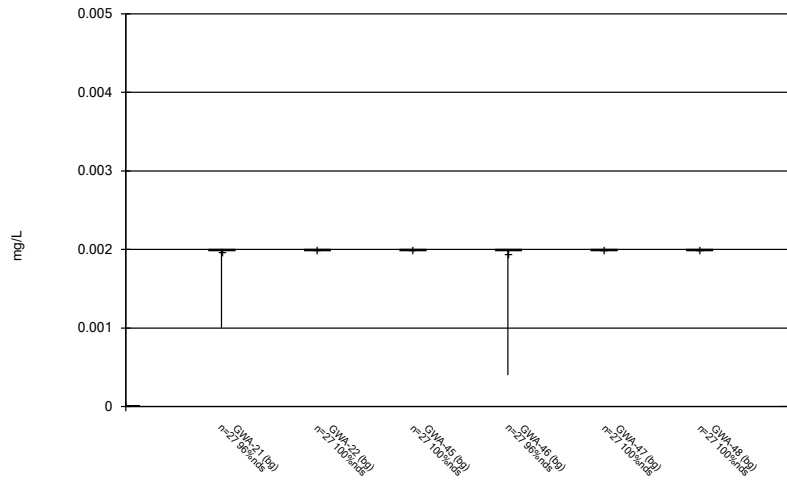
Constituent: Zinc, Total (mg/L) Analysis Run 6/20/2020 9:23 AM View: Descriptive

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

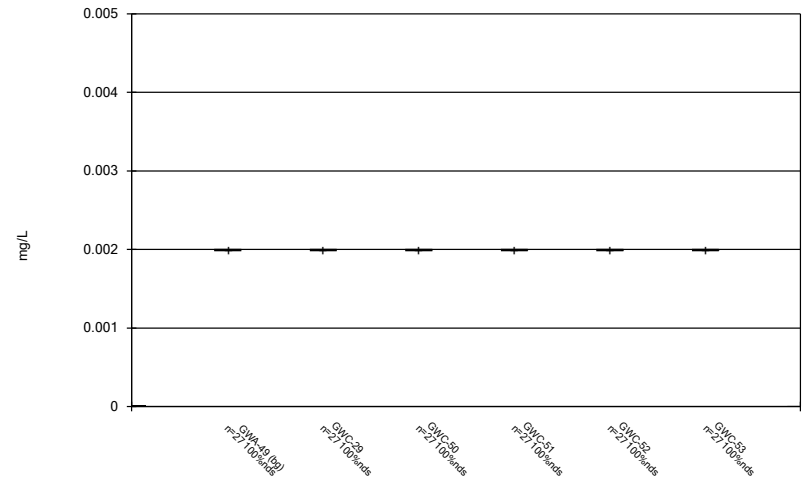
FIGURE B.

### Box & Whiskers Plot



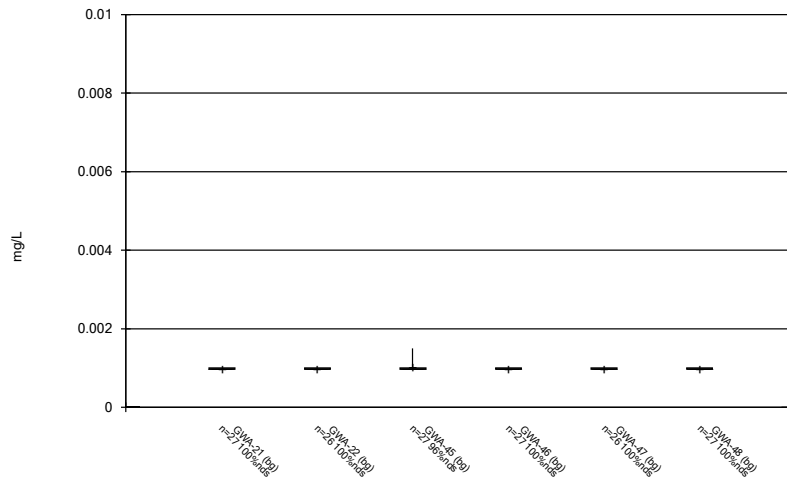
Constituent: Antimony, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



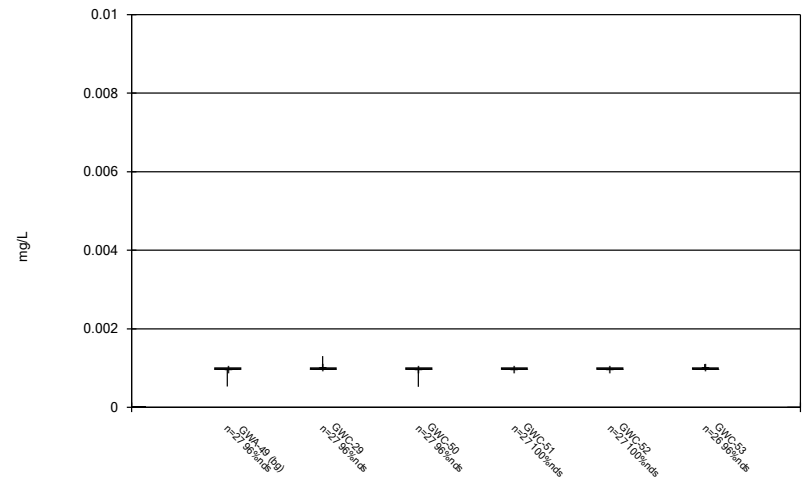
Constituent: Antimony, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



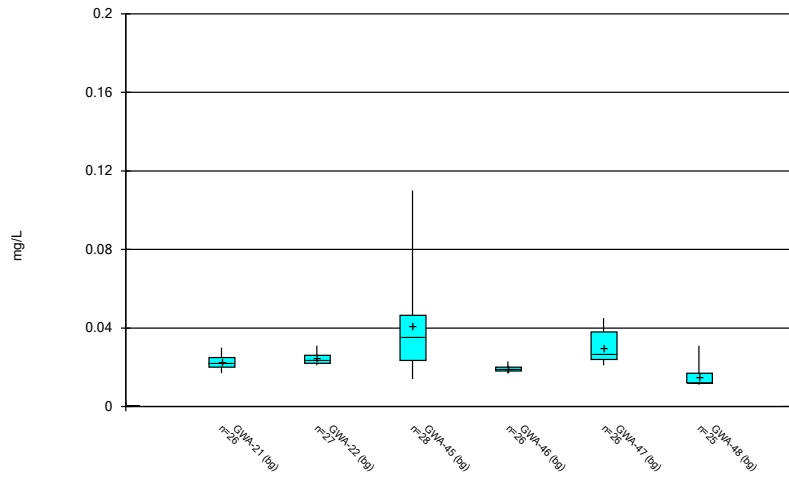
Constituent: Arsenic, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



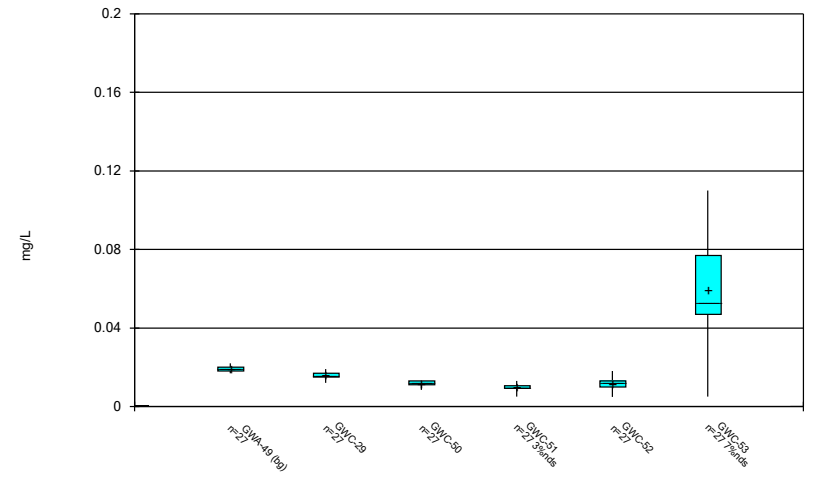
Constituent: Arsenic, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



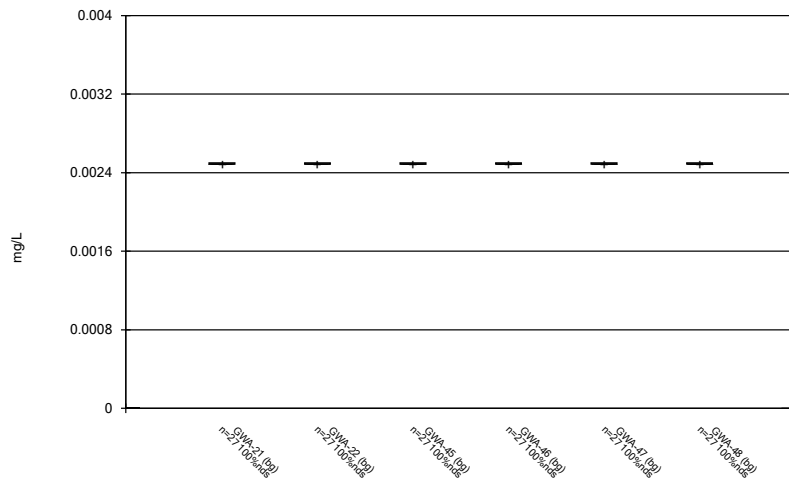
Constituent: Barium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



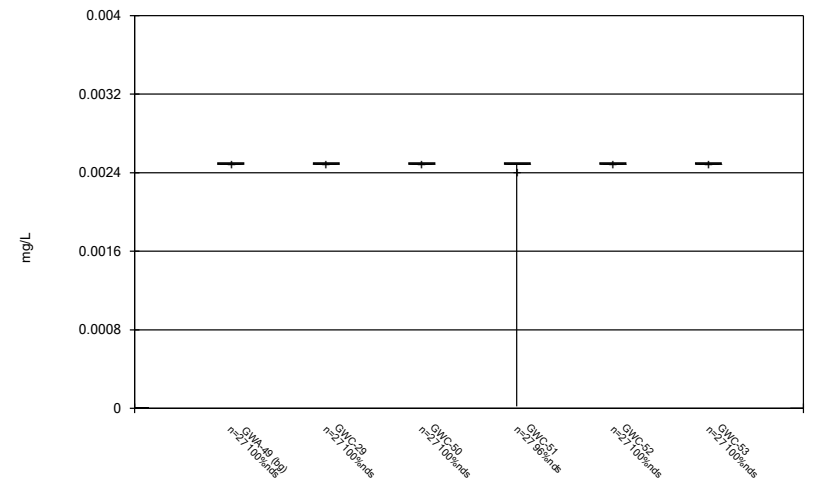
Constituent: Barium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



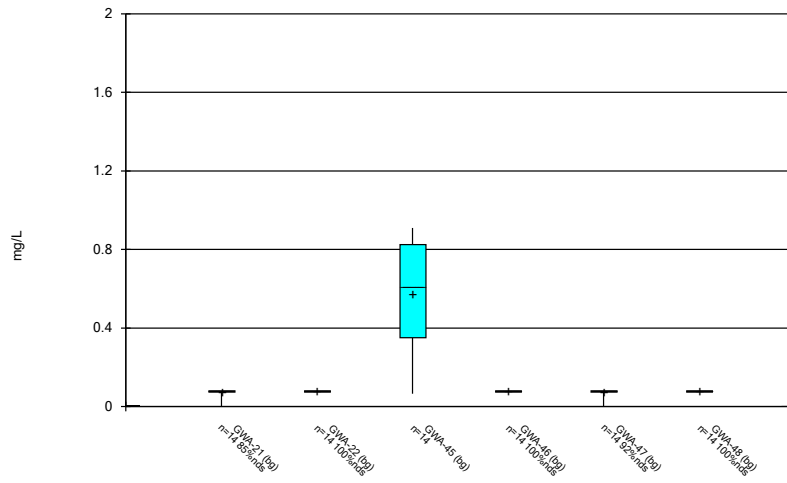
Constituent: Beryllium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



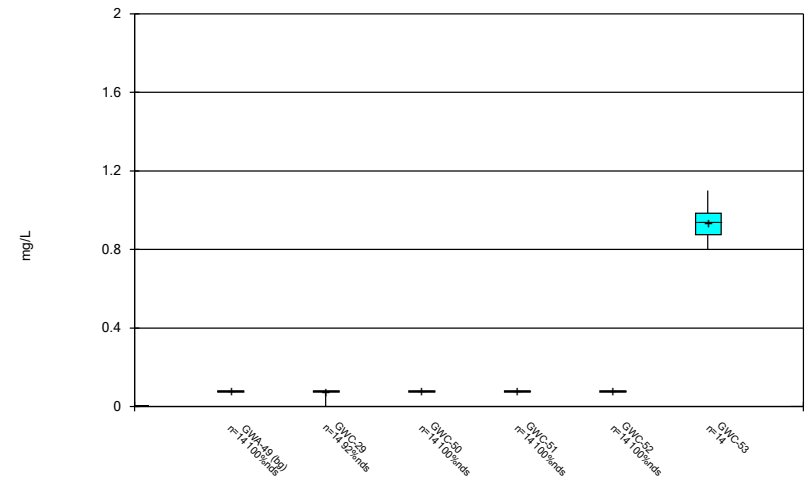
Constituent: Beryllium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



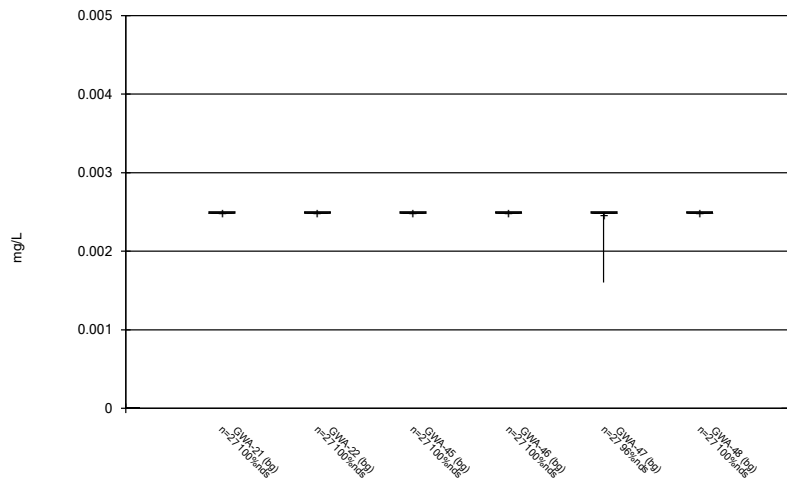
Constituent: Boron, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



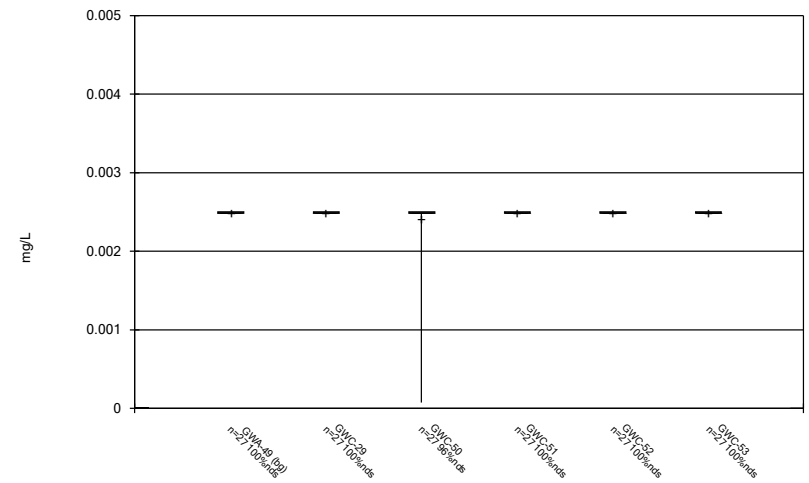
Constituent: Boron, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



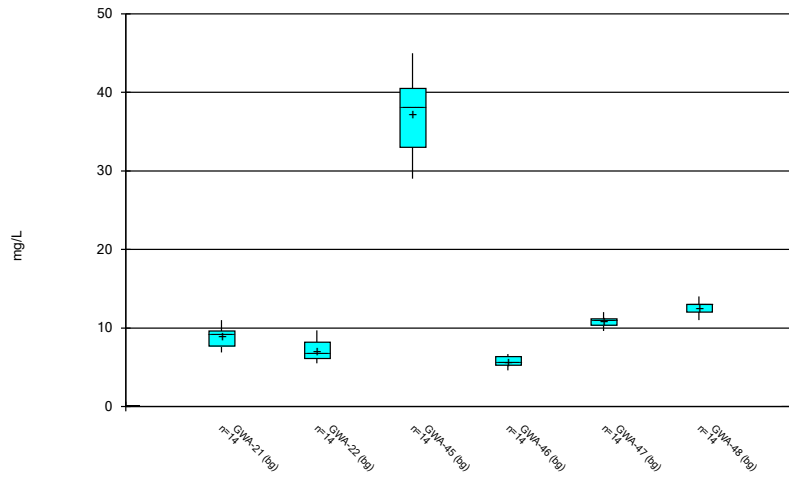
Constituent: Cadmium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



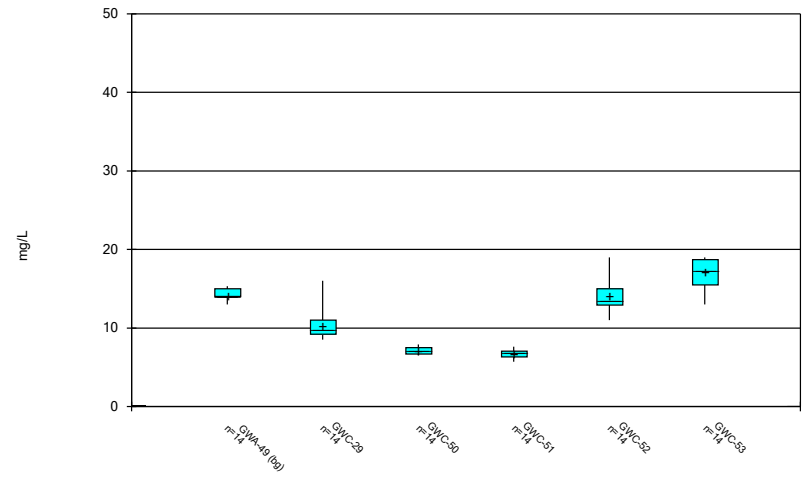
Constituent: Cadmium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



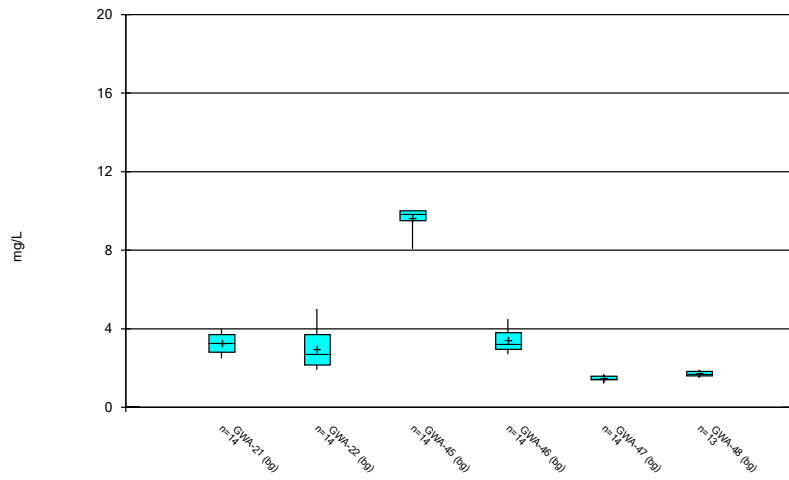
Constituent: Calcium, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



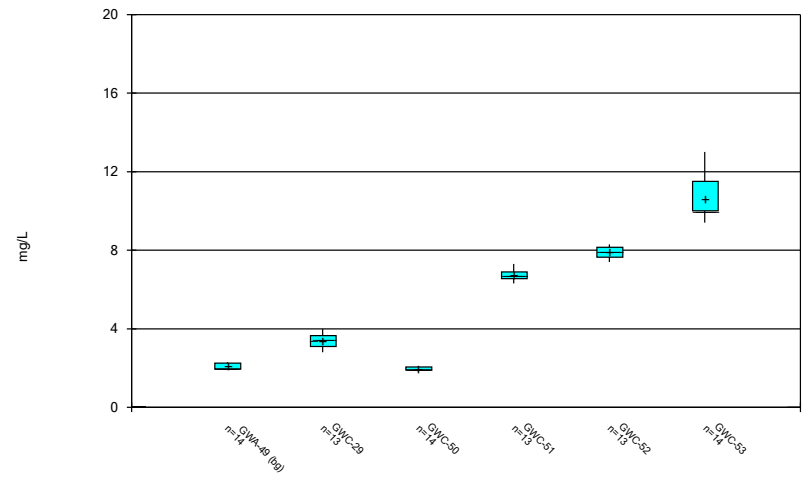
Constituent: Calcium, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

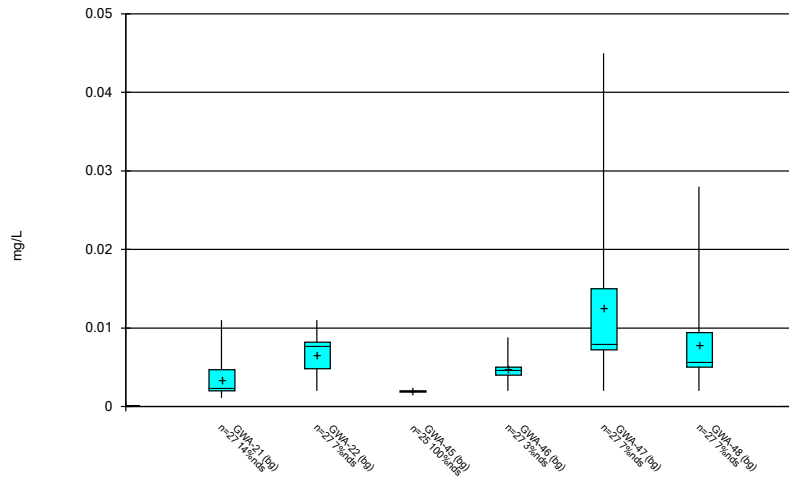
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

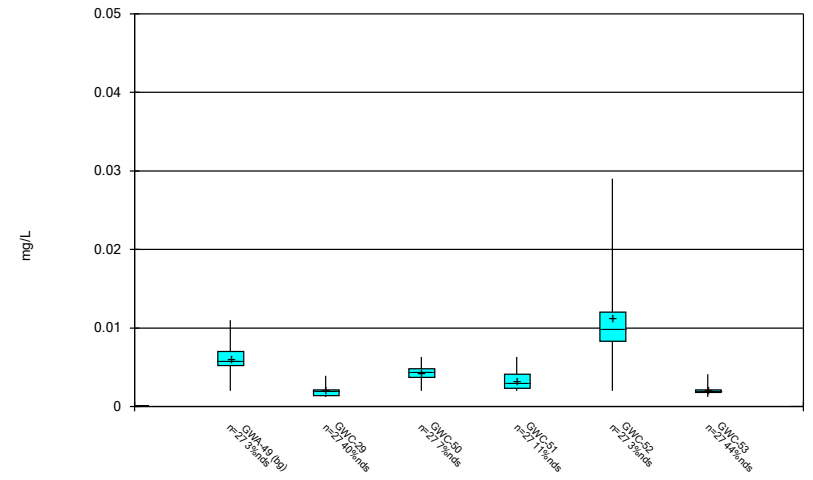


Box & Whiskers Plot



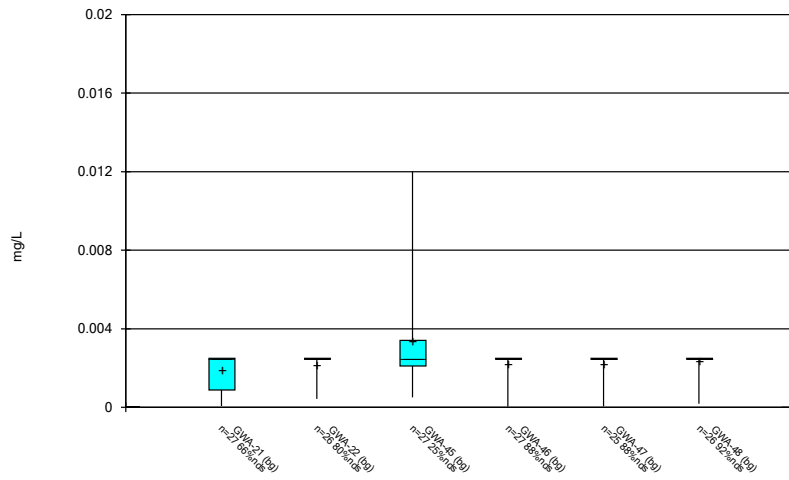
Constituent: Chromium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



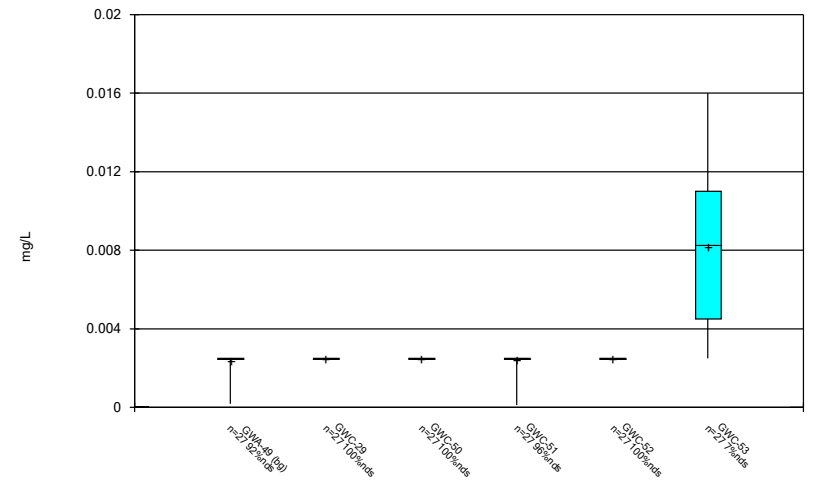
Constituent: Chromium, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



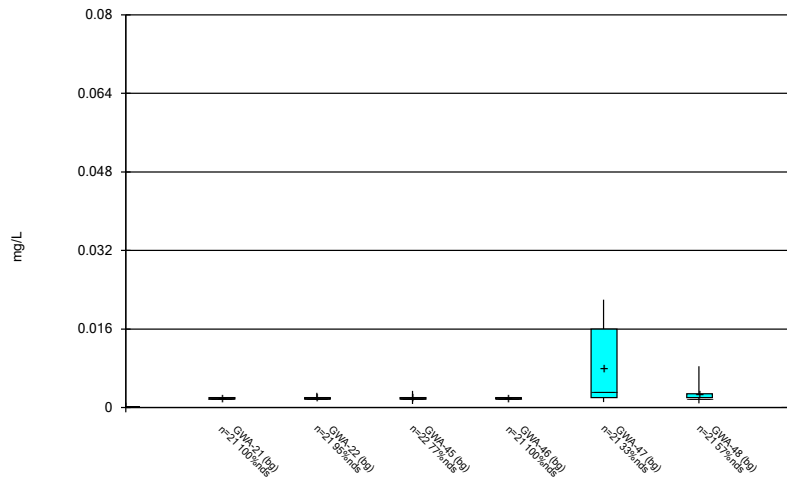
Constituent: Cobalt, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



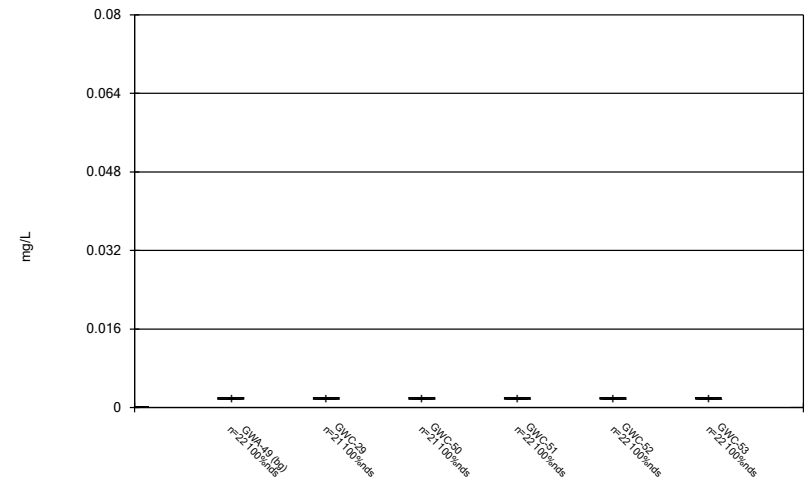
Constituent: Cobalt, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



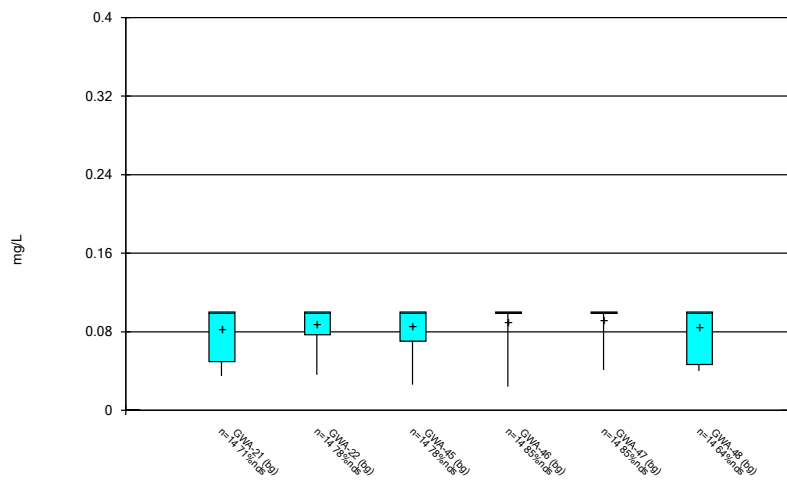
Constituent: Copper, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



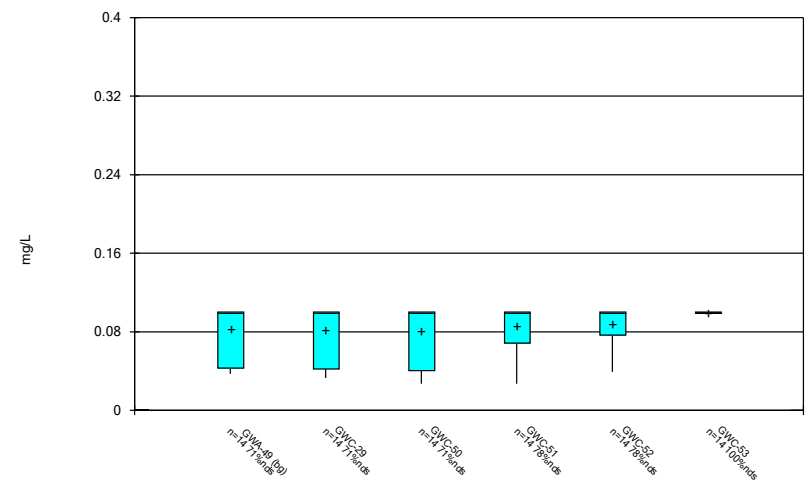
Constituent: Copper, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



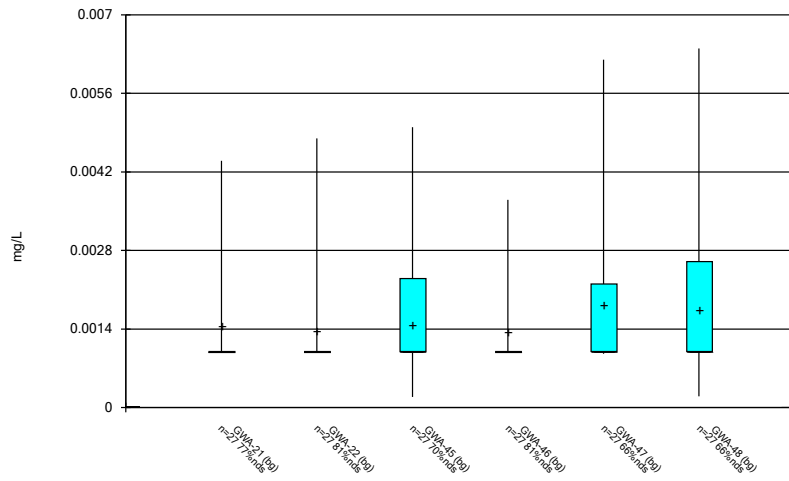
Constituent: Fluoride, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



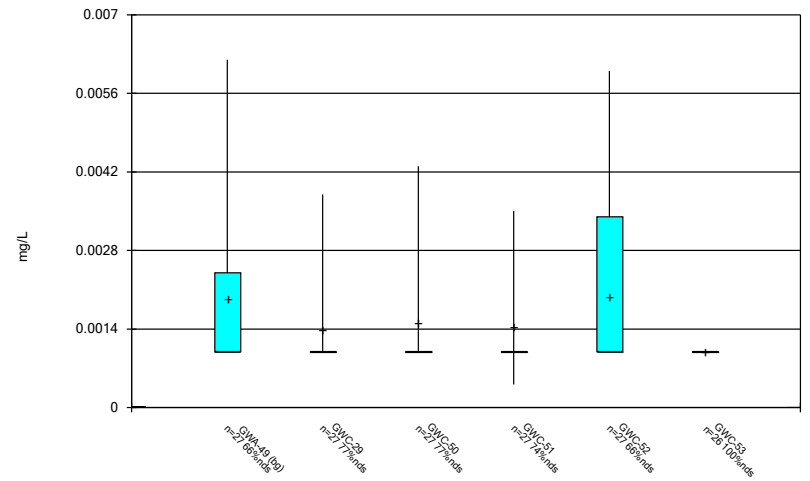
Constituent: Fluoride, total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



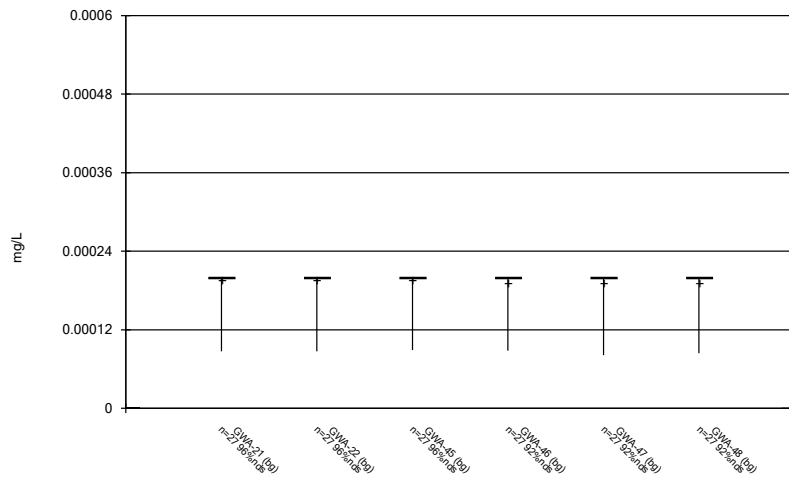
Constituent: Lead, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



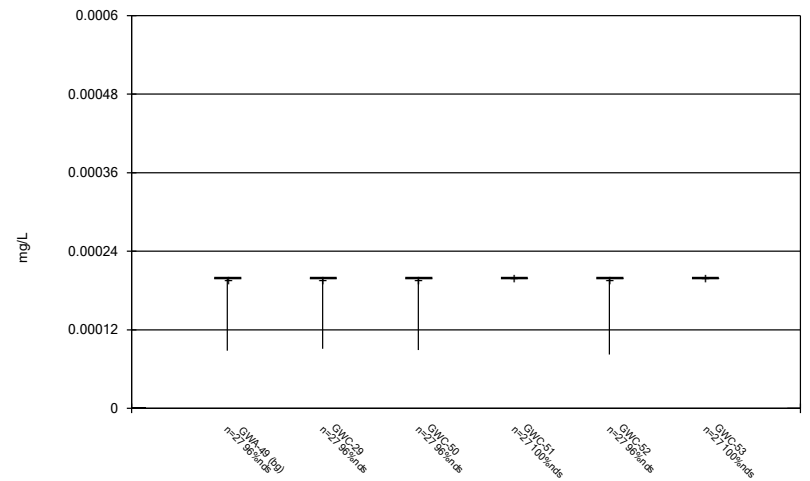
Constituent: Lead, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



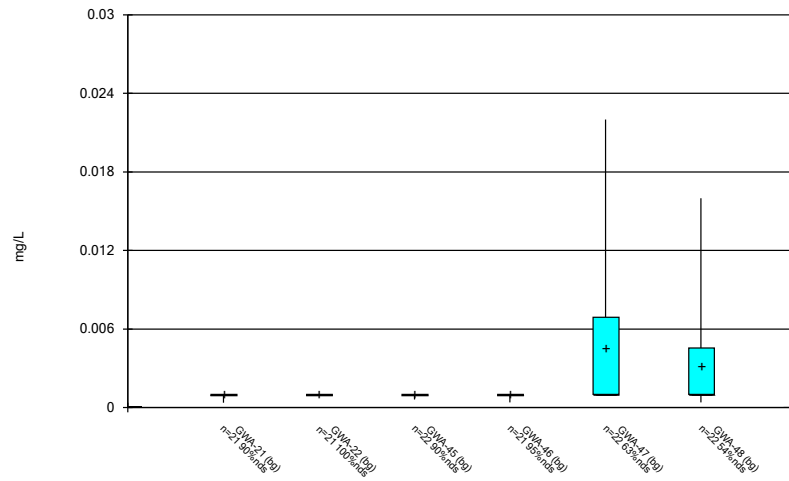
Constituent: Mercury, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



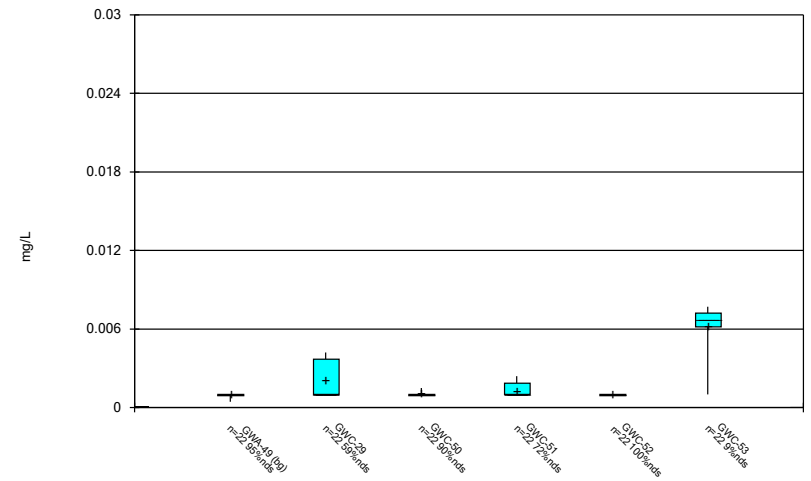
Constituent: Mercury, Total Analysis Run 6/19/2020 11:07 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



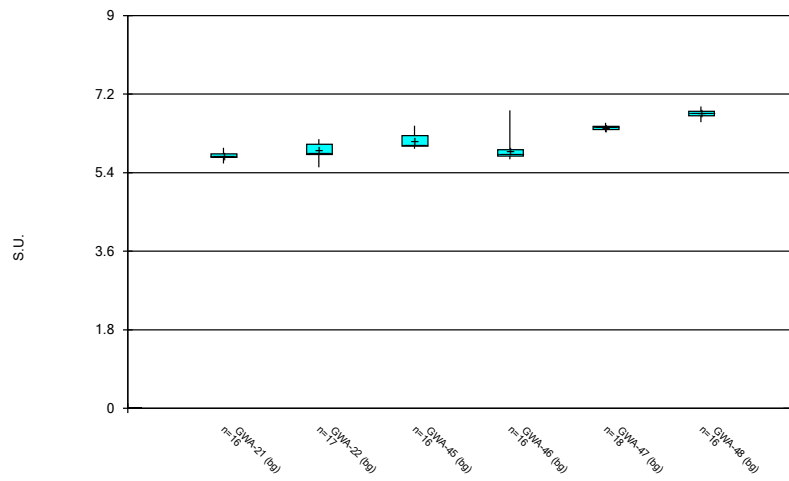
Constituent: Nickel, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



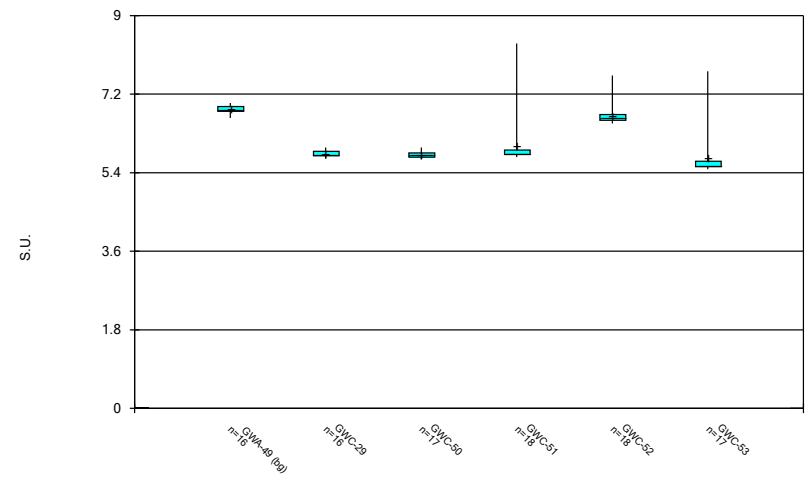
Constituent: Nickel, Total Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



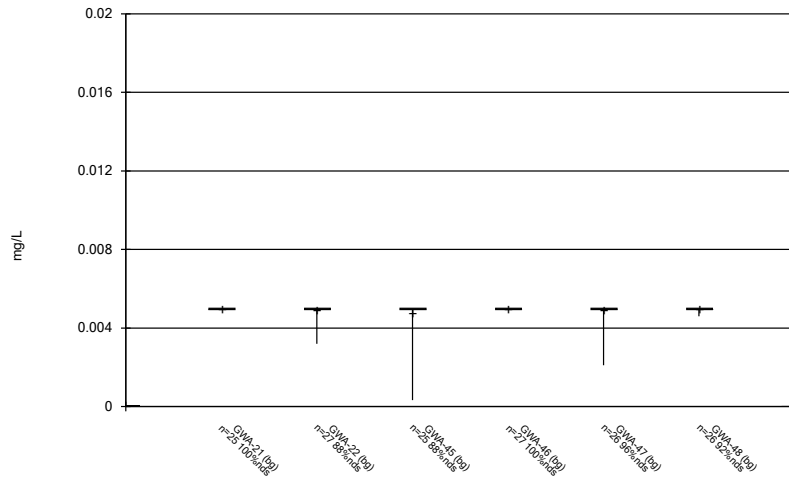
Constituent: pH Analysis Run 6/19/2020 11:07 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



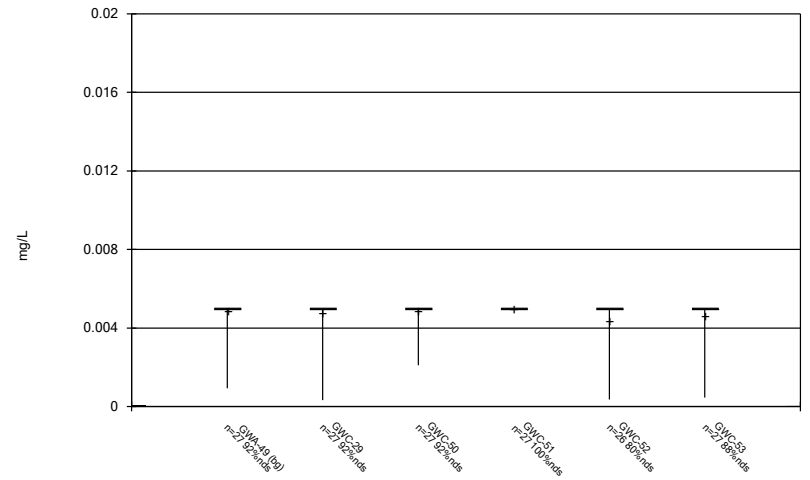
Constituent: pH Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



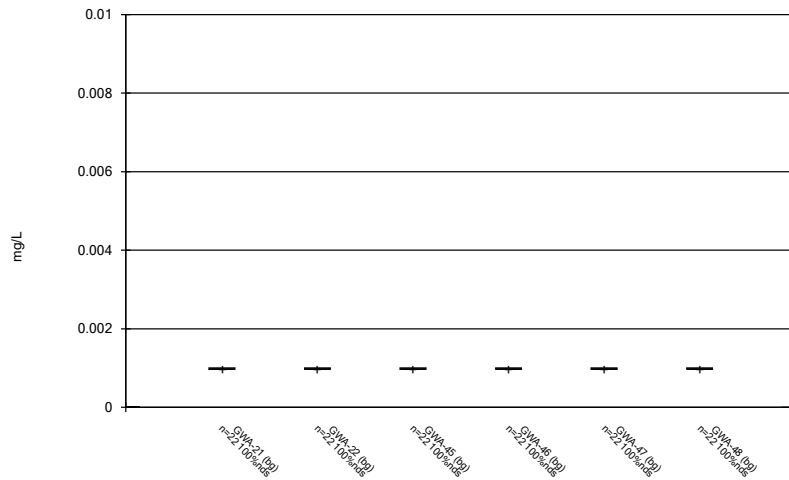
Constituent: Selenium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



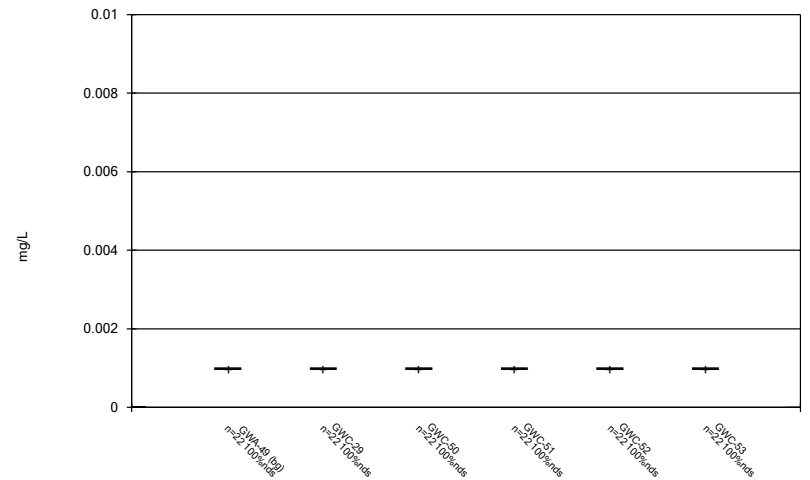
Constituent: Selenium, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



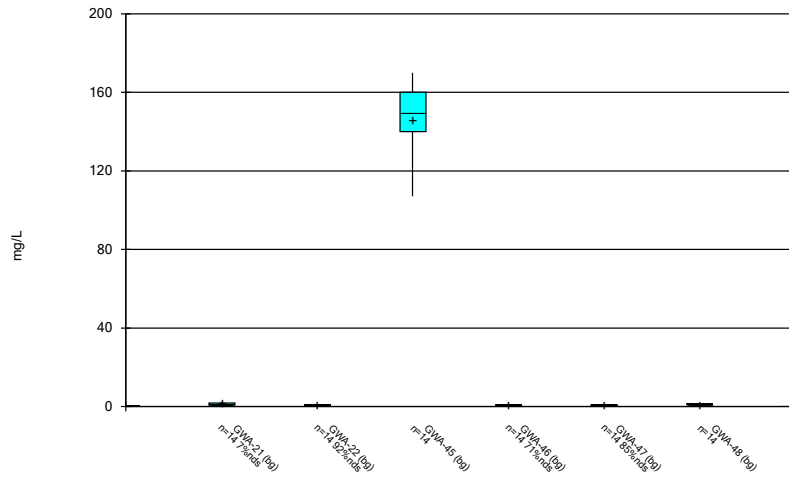
Constituent: Silver, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Box & Whiskers Plot



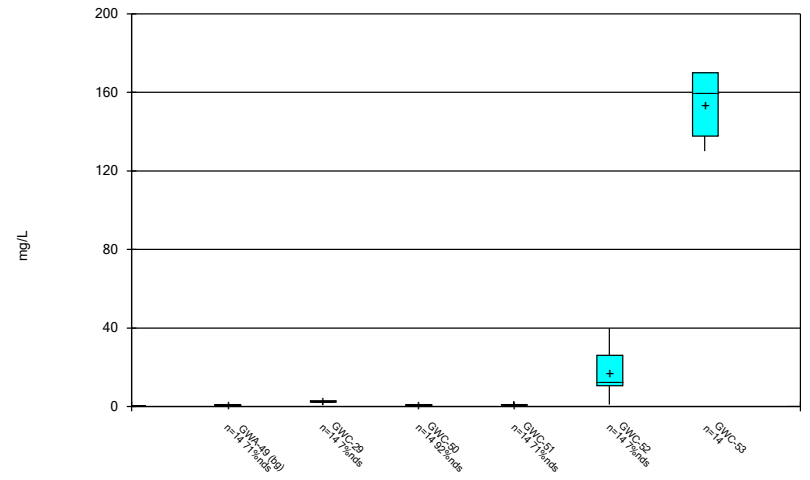
Constituent: Silver, Total Analysis Run 6/19/2020 11:08 AM  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



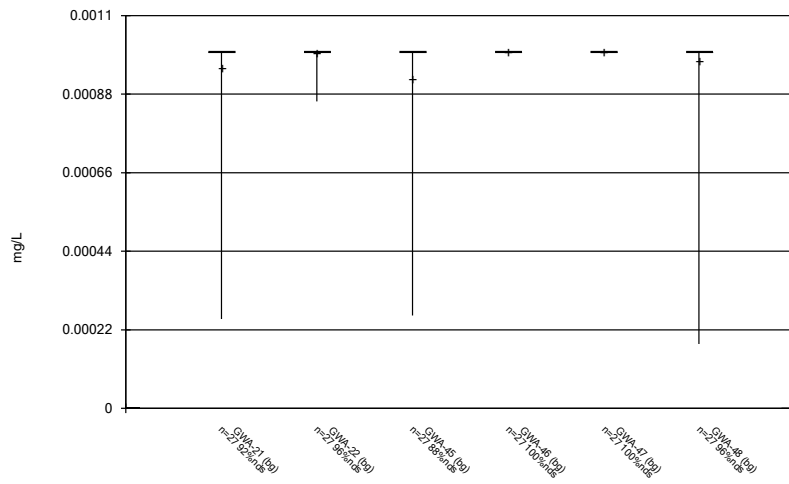
Constituent: Sulfate, total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



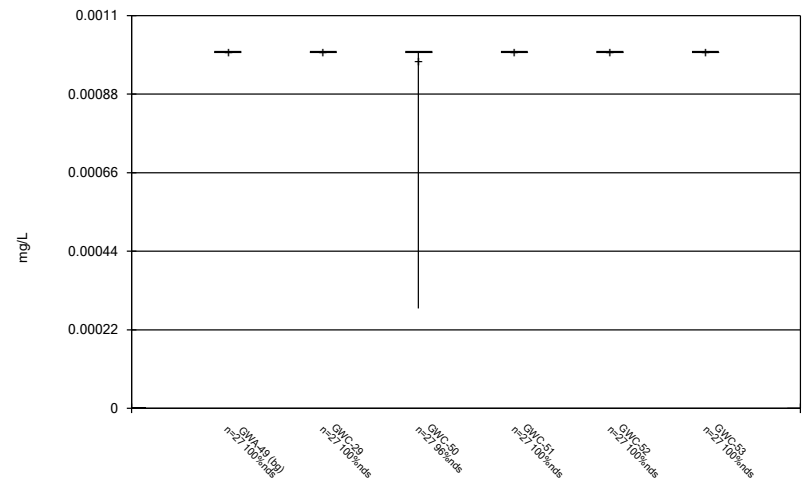
Constituent: Sulfate, total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



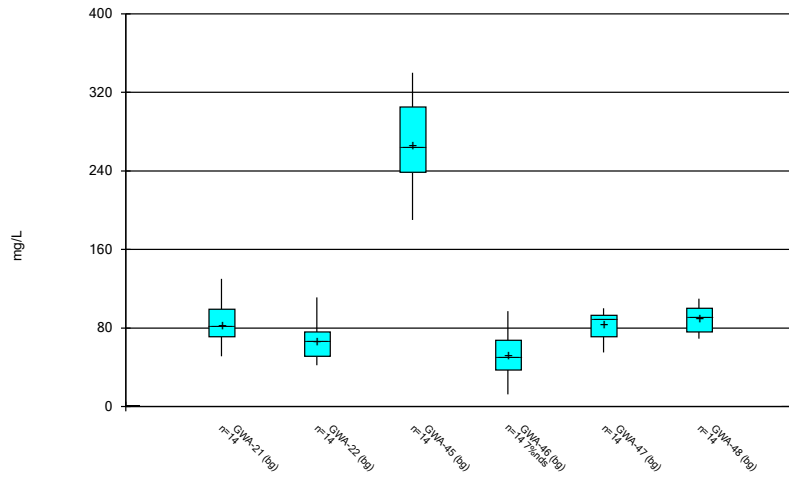
Constituent: Thallium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



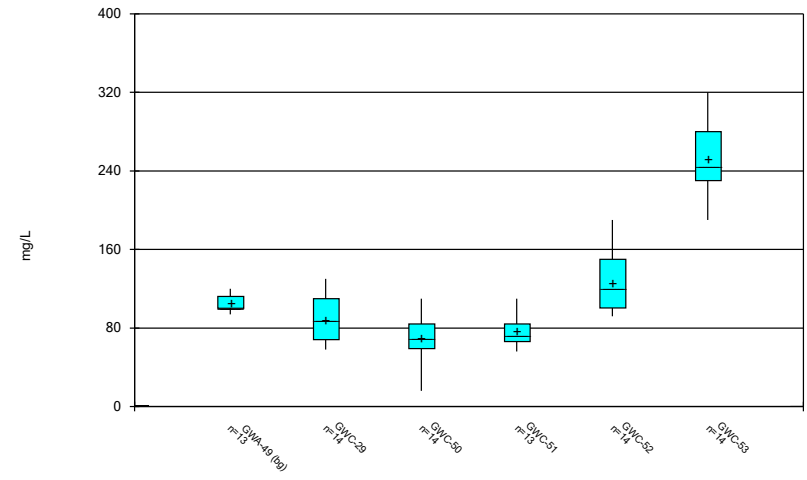
Constituent: Thallium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



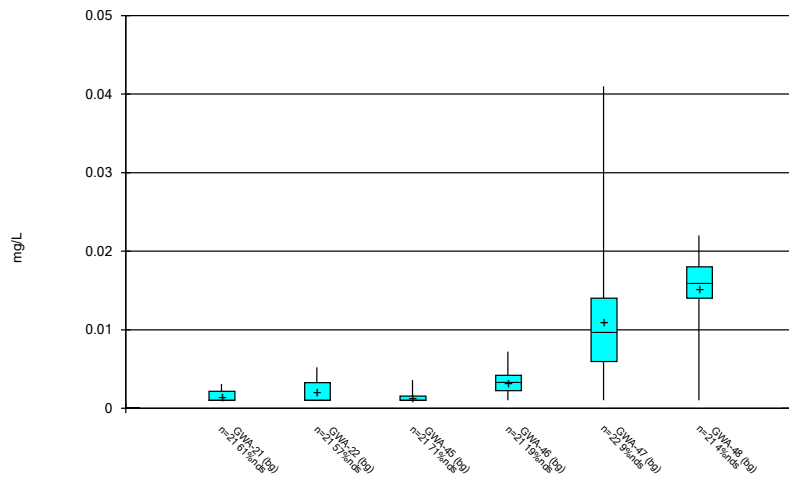
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



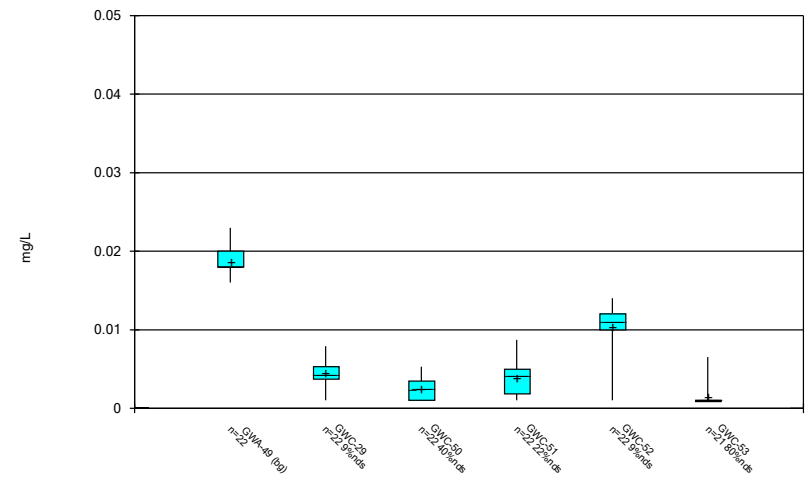
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



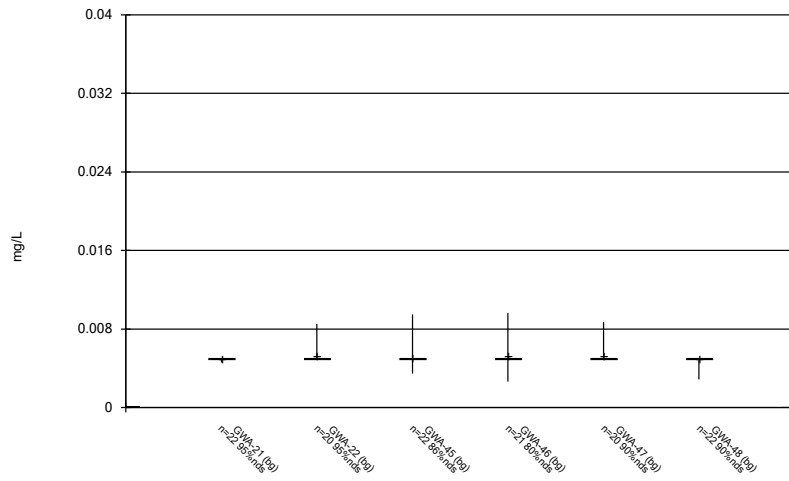
Constituent: Vanadium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



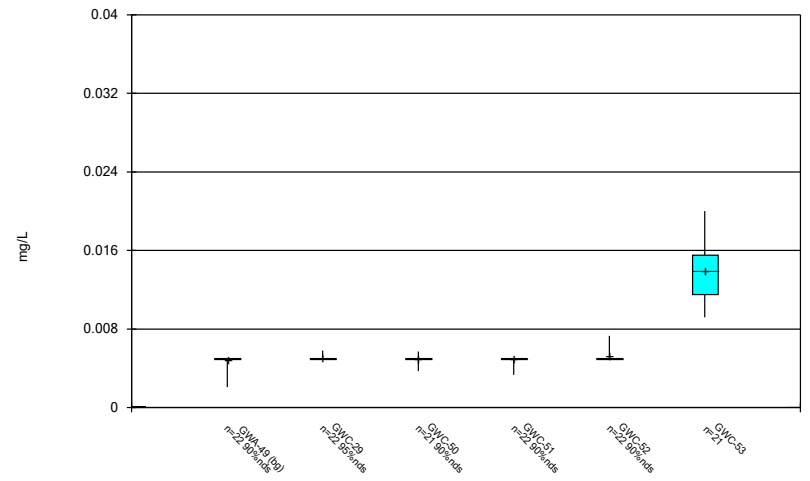
Constituent: Vanadium, Total Analysis Run 6/19/2020 11:08 AM  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### 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.









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>0</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

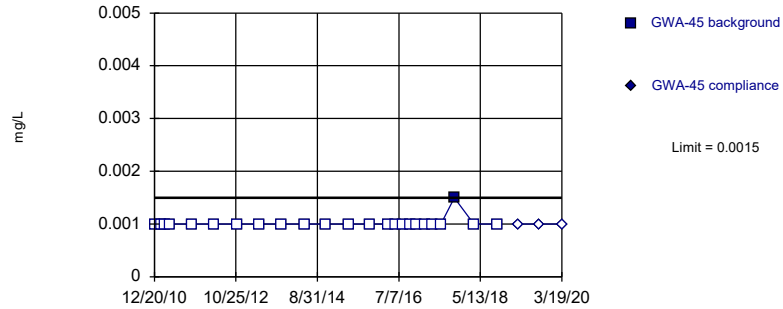
# Intrawell Prediction Limit Summary (State) - All Results

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

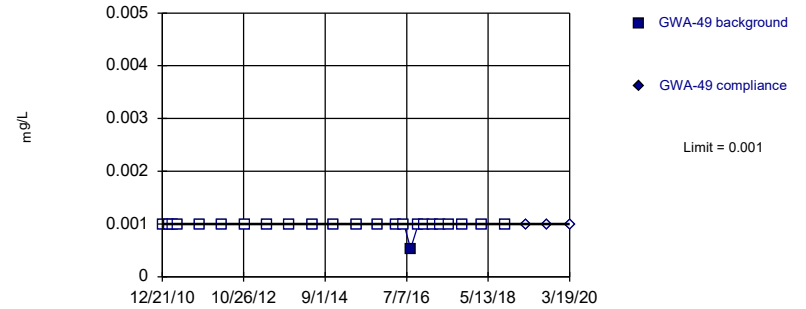


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

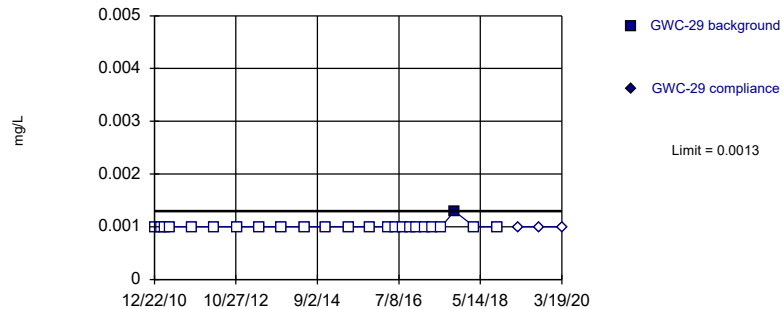


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

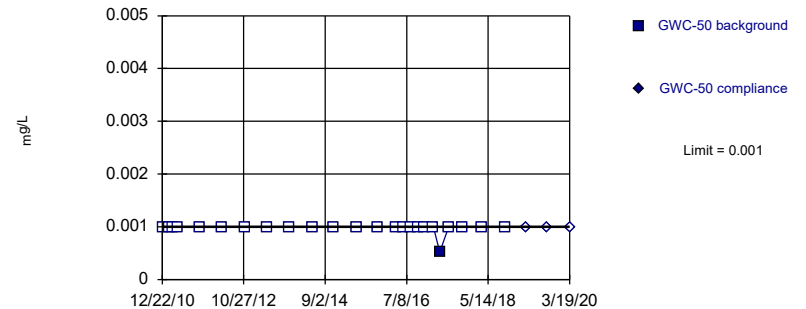


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

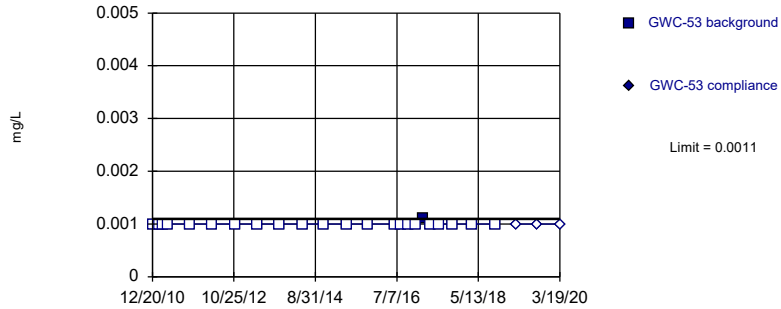


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

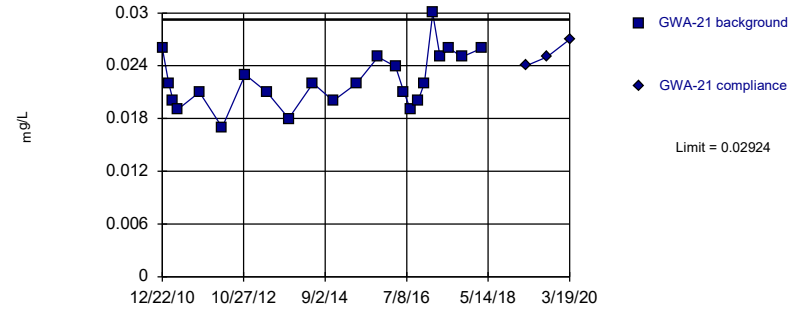


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

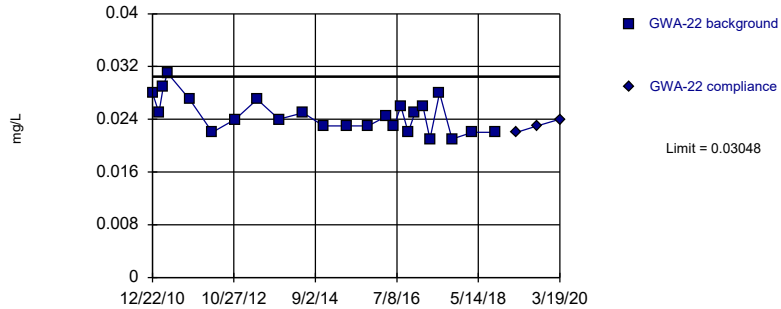


Background Data Summary: Mean=0.02234, Std. Dev.=0.003125, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9634, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

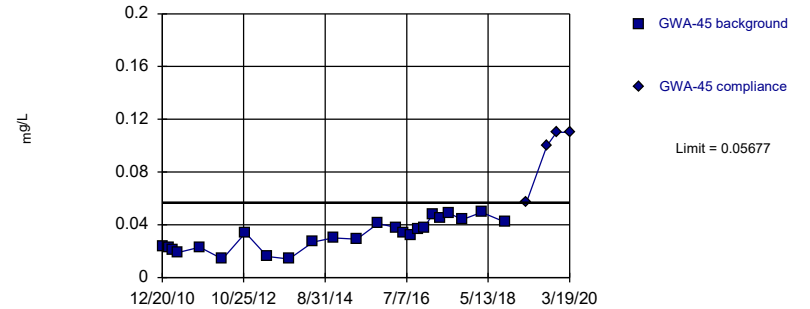


Background Data Summary: Mean=0.02464, Std. Dev.=0.002664, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9447, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

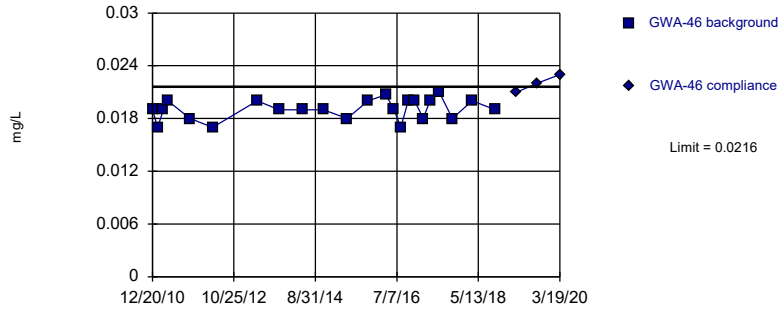


Background Data Summary: Mean=0.03215, Std. Dev.=0.01125, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

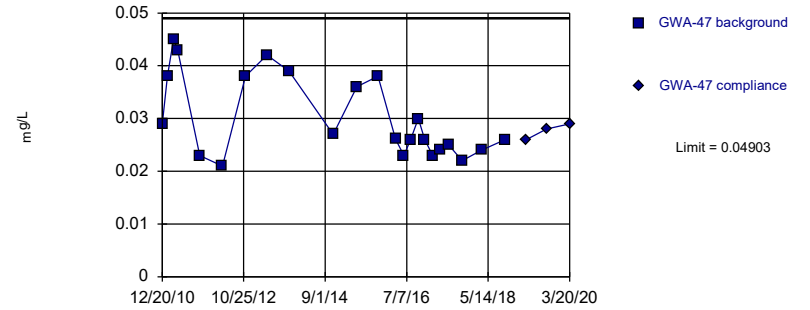


Background Data Summary: Mean=0.01903, Std. Dev.=0.001165, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

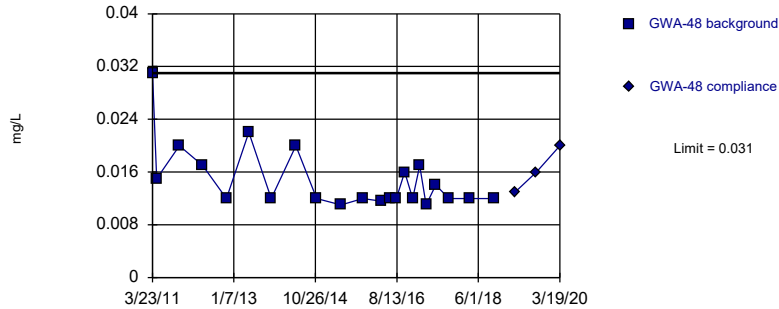


Background Data Summary (based on cube root transformation): Mean=0.3093, Std. Dev.=0.02571, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8825, critical = 0.881. Kappa = 2.206 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

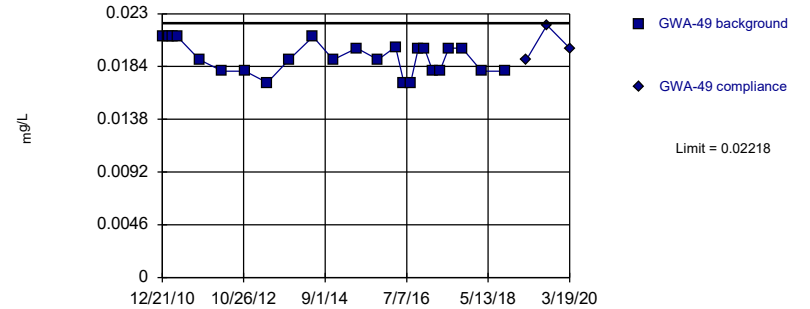


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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

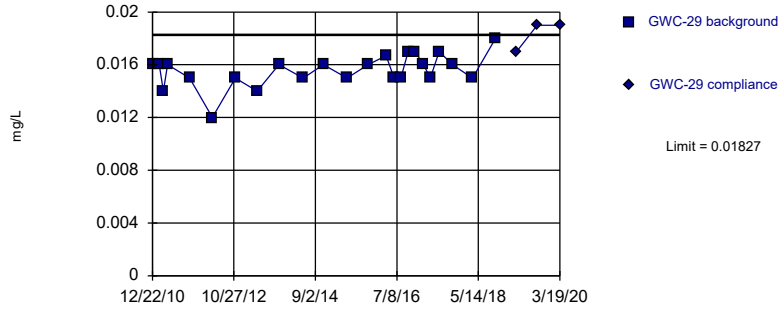


Background Data Summary: Mean=0.01917, Std. Dev.=0.001375, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8973, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

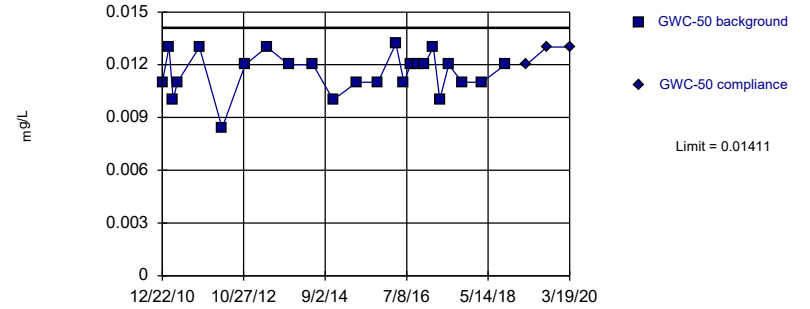


Background Data Summary: Mean=0.01557, Std. Dev.=0.001235, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9152, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

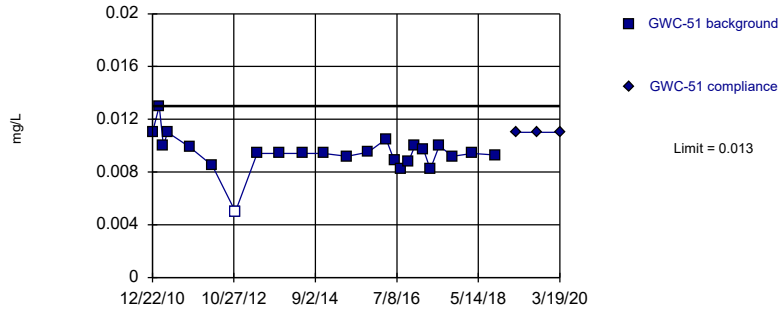


Background Data Summary: Mean=0.01153, Std. Dev.=0.001179, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.91, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

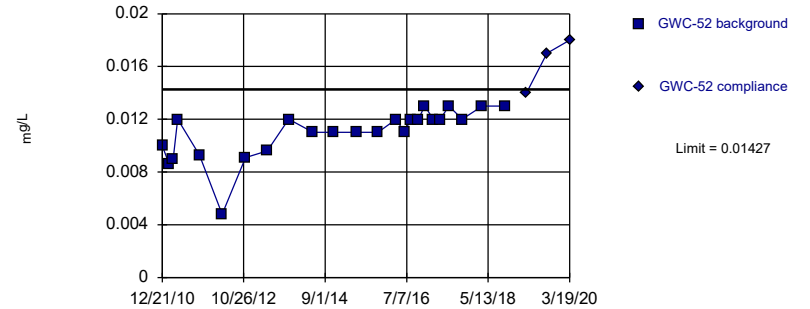


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 4.167% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

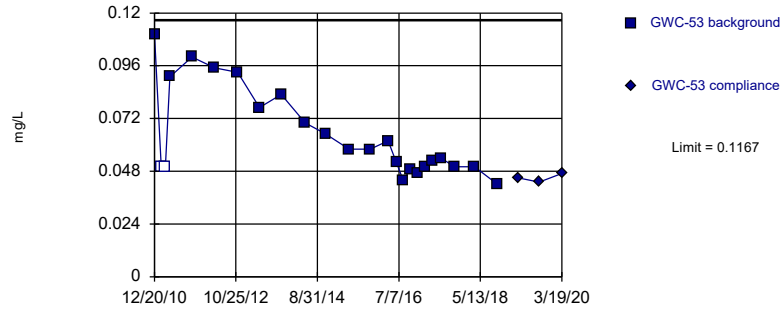


Background Data Summary (based on square transformation): Mean=0.0001239, Std. Dev.=0.00003647, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

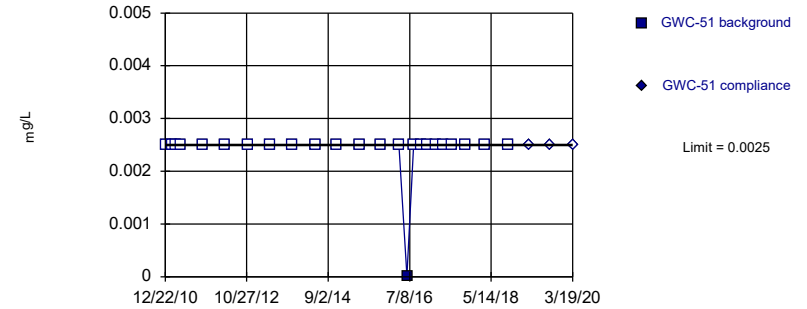


Background Data Summary (based on natural log transformation): Mean=-2.78, Std. Dev.=0.2886, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8947, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

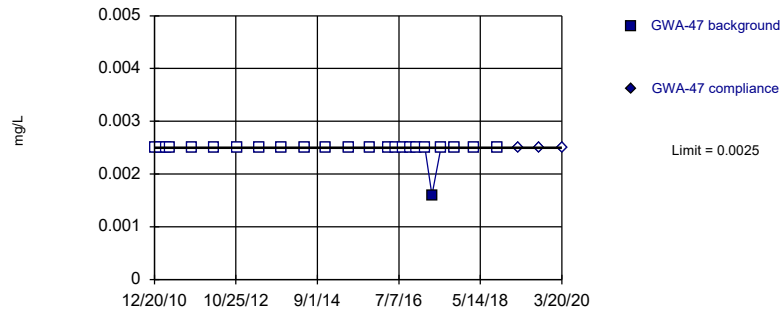


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

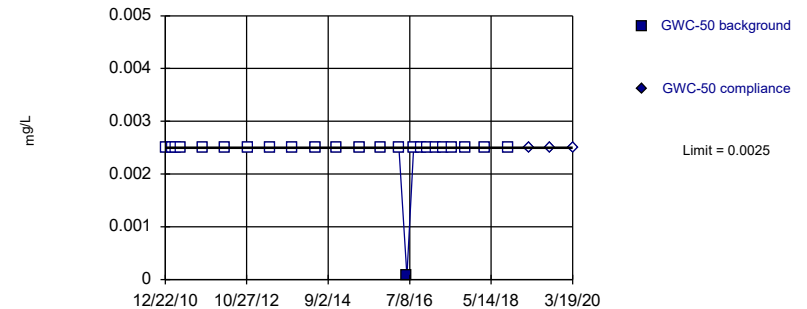


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

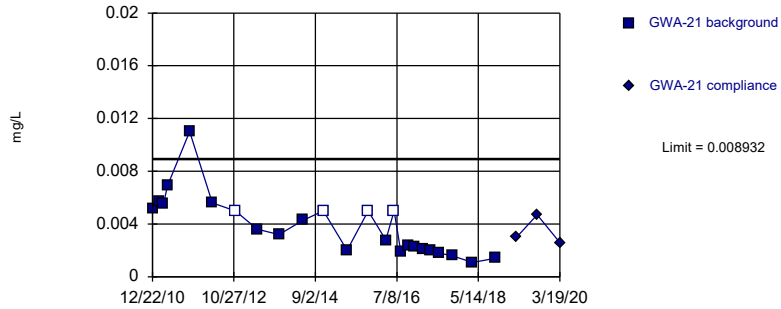


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

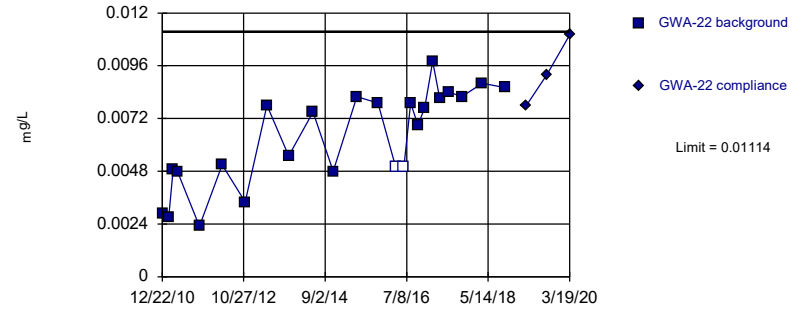


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05569, Std. Dev.=0.01773, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 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

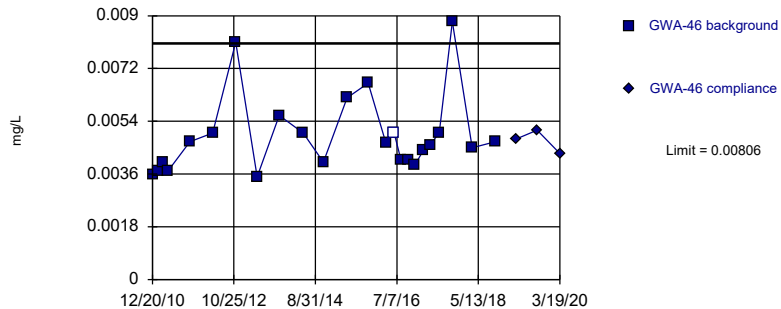


Background Data Summary: Mean=0.006342, Std. Dev.=0.002193, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

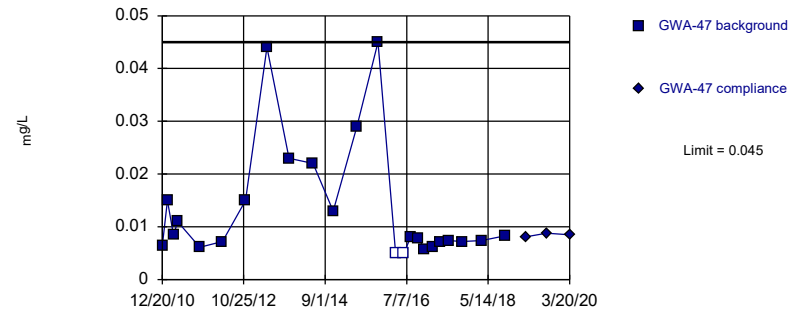


Background Data Summary (based on natural log transformation): Mean=-5.349, Std. Dev.=0.2412, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8955, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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



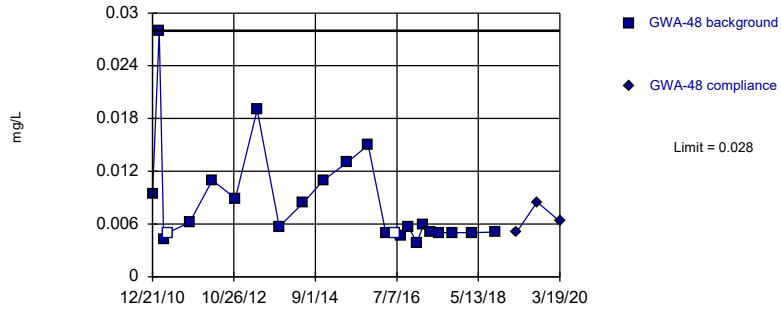
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

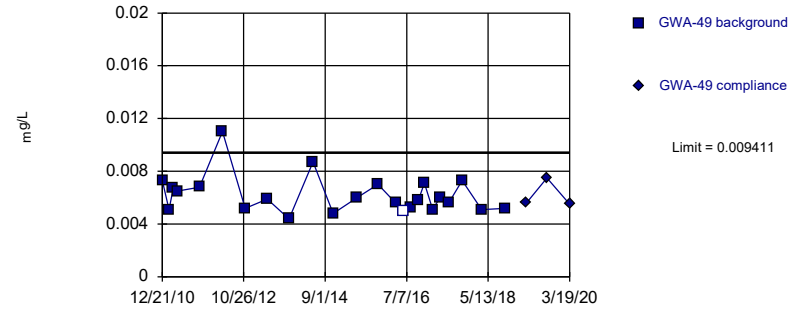


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 8.333% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

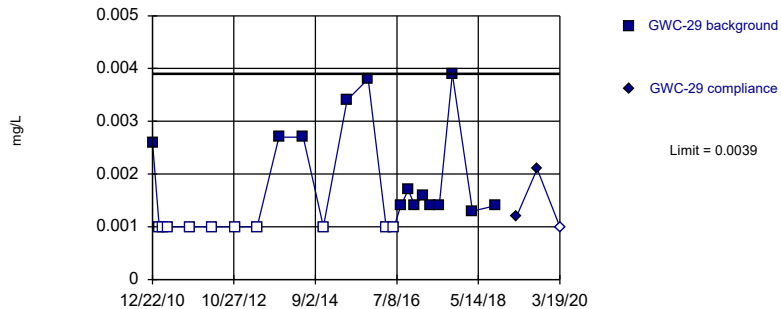


Background Data Summary (based on square root transformation): Mean=0.007821, Std. Dev.=0.008586, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

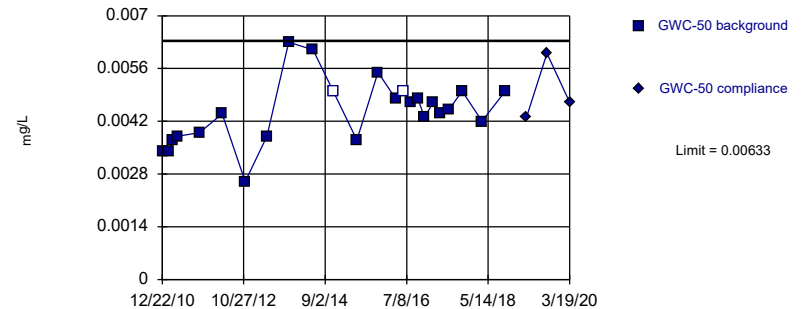


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

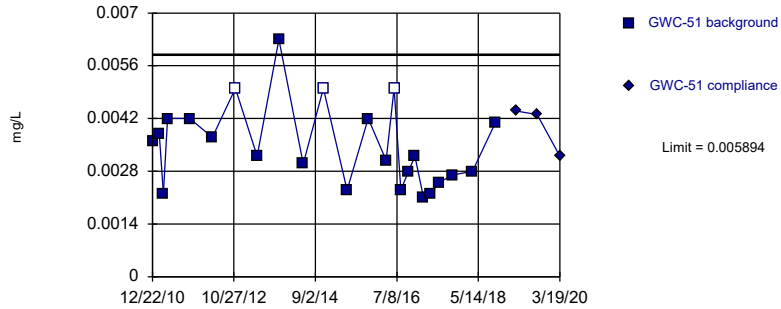


Background Data Summary: Mean=0.004458, Std. Dev.=0.0008549, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9742, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

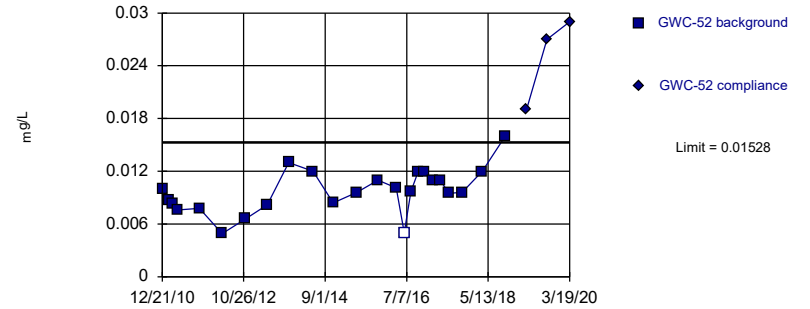


Background Data Summary: Mean=0.003479, Std. Dev.=0.001103, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

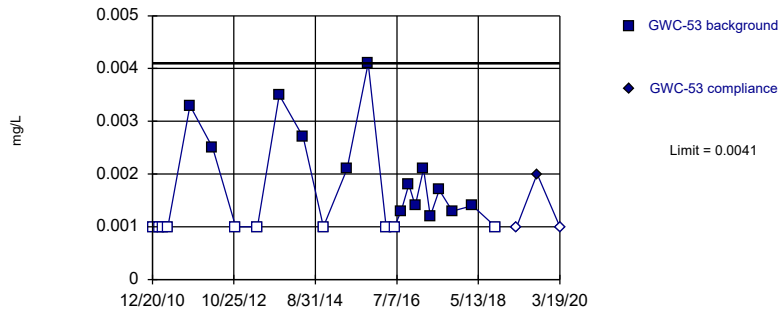


Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

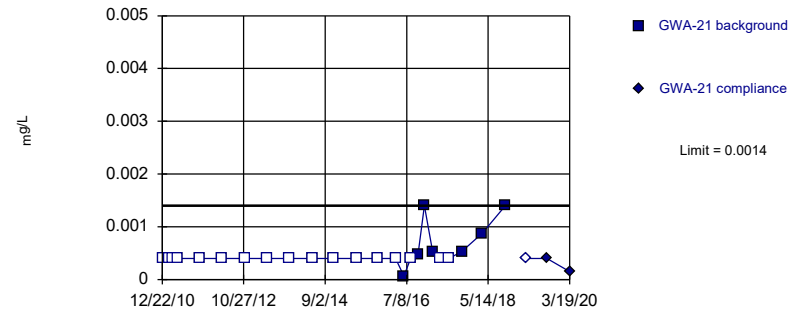


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (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

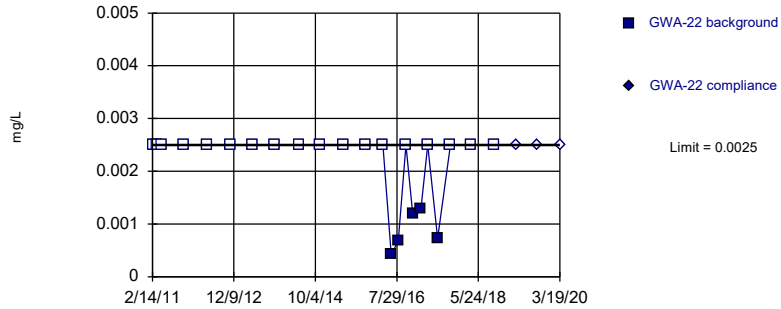


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

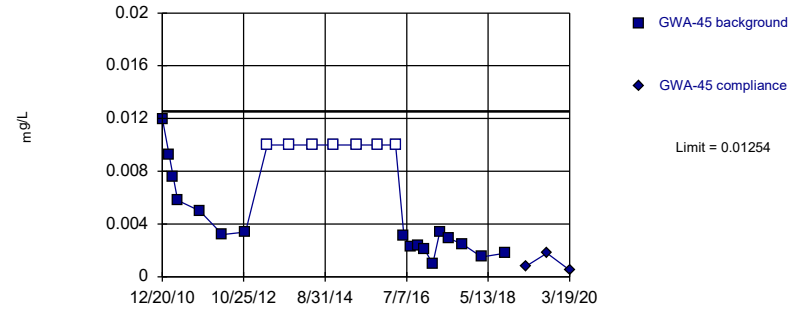


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

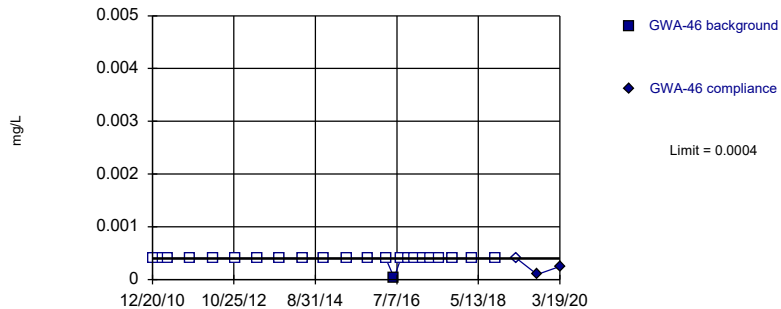


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.768, Std. Dev.=0.6346, n=24, 29.17% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

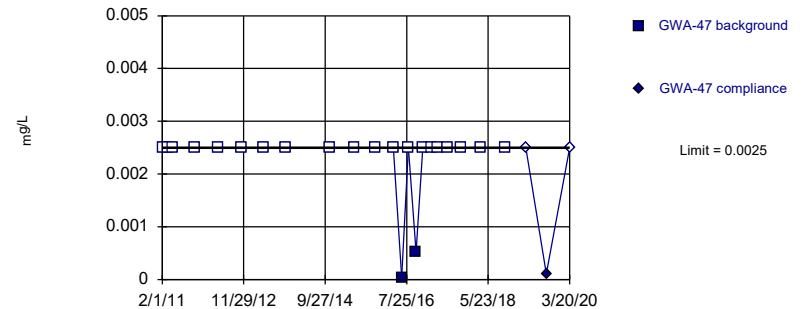


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

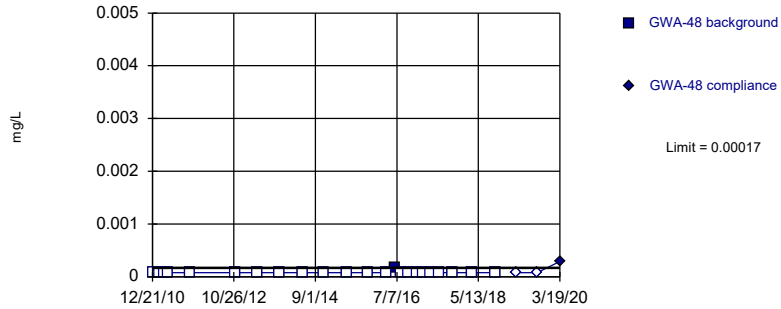


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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

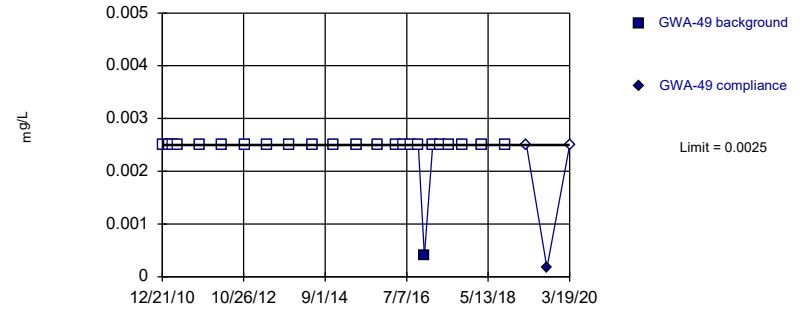


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

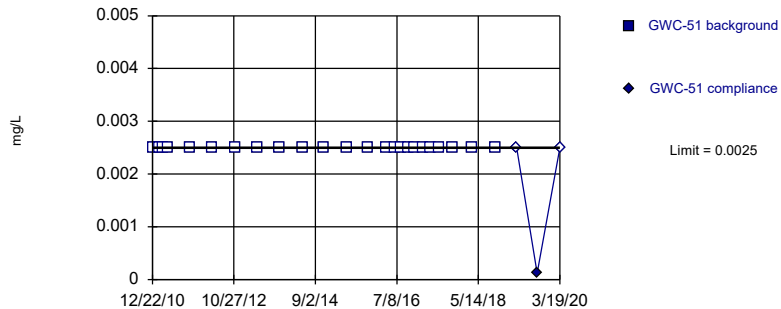


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

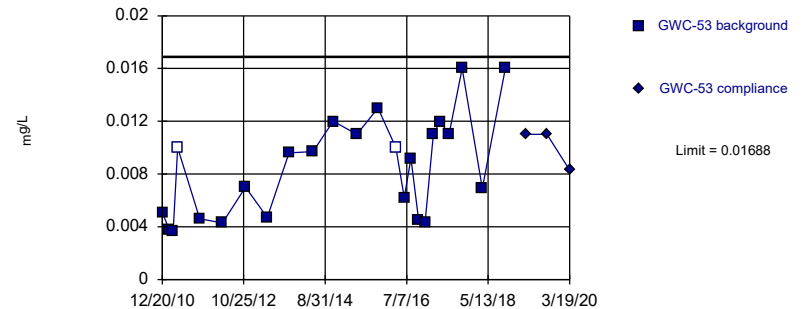


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

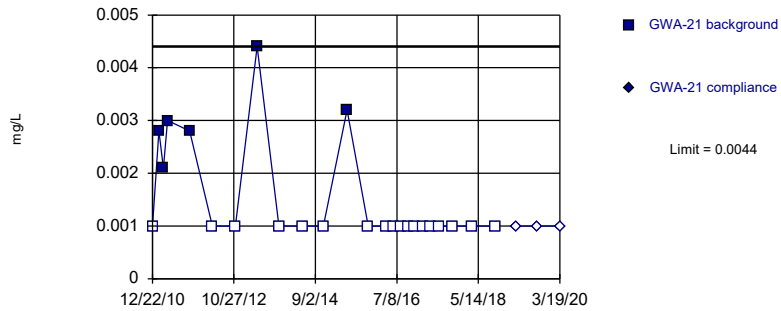


Background Data Summary: Mean=0.008567, Std. Dev.=0.003795, n=24, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.884. Kappa = 2.19 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

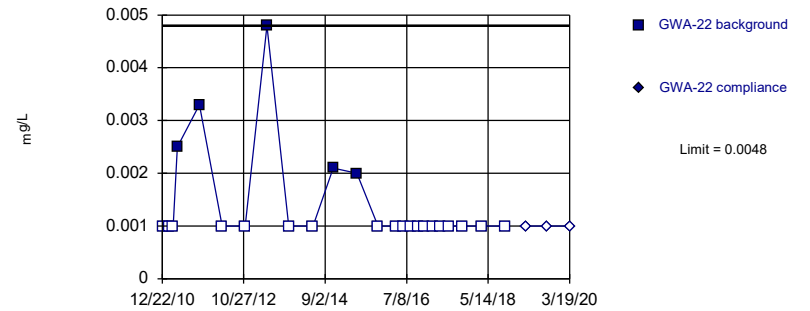


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

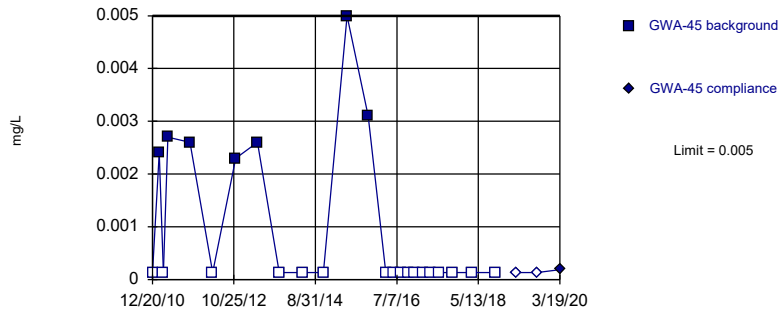


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

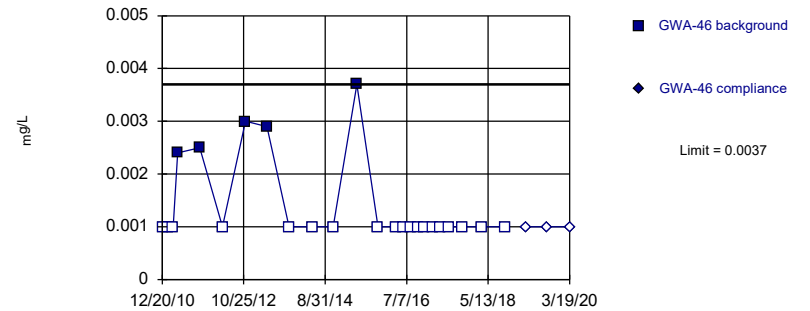


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

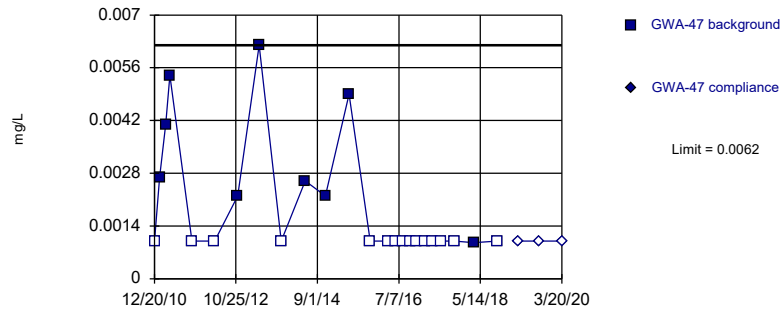


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

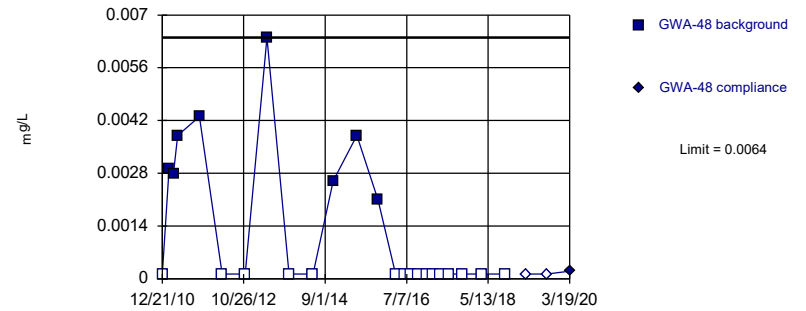


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

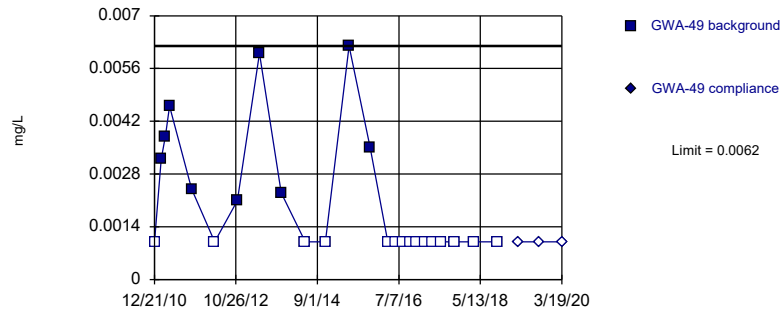


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

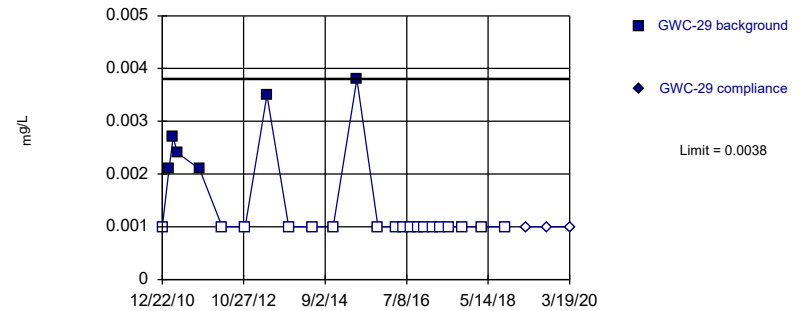


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

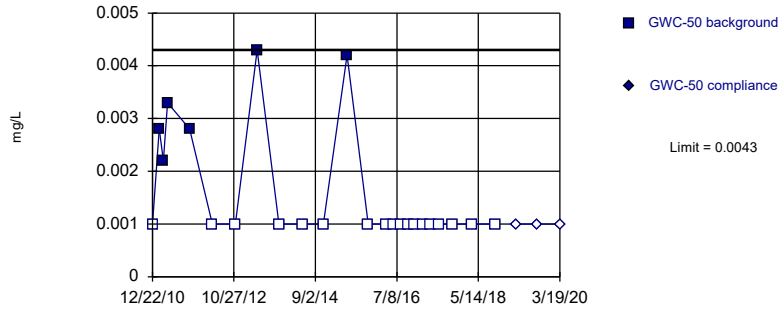


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

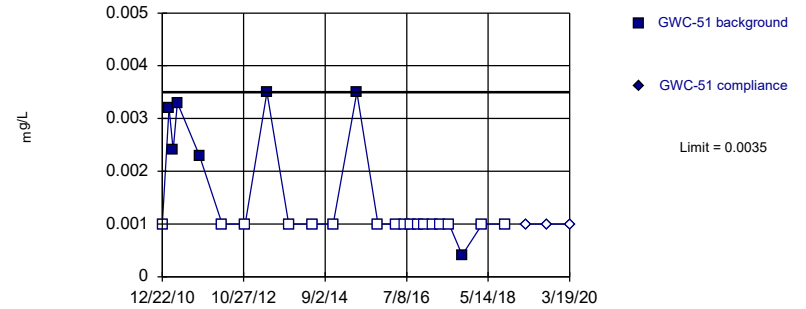


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 75% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

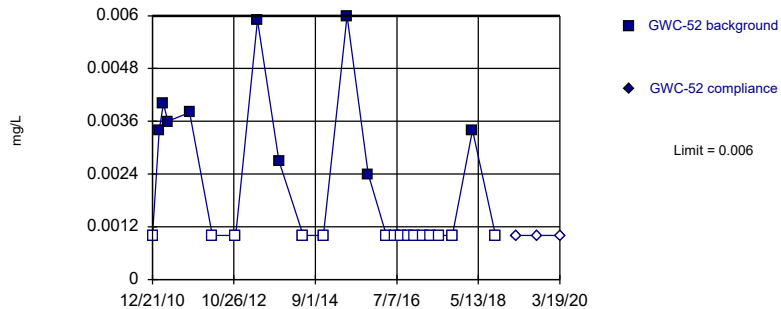


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

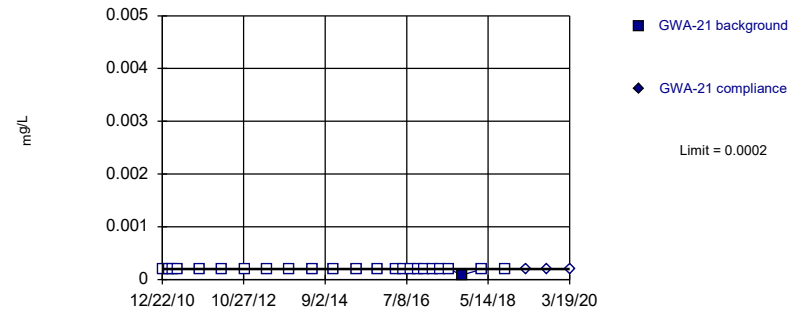


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

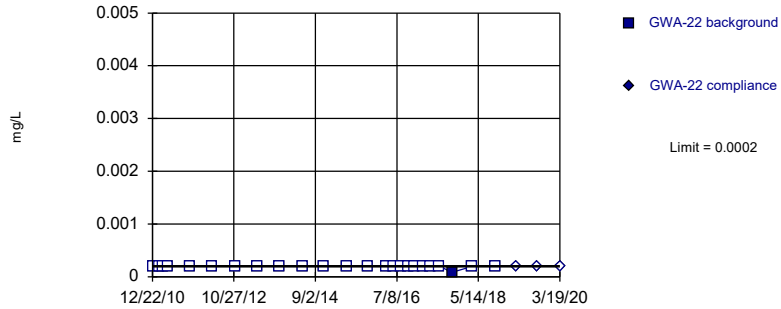


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

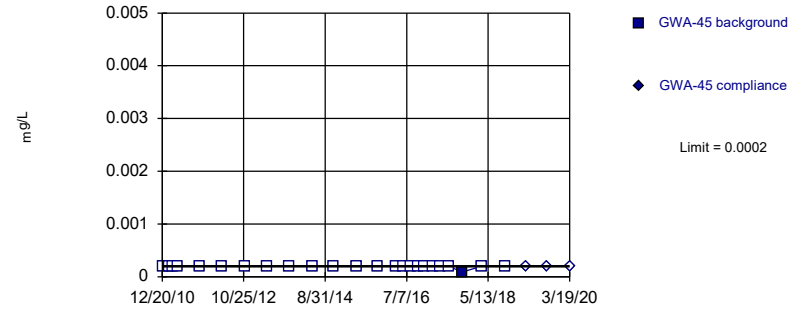


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

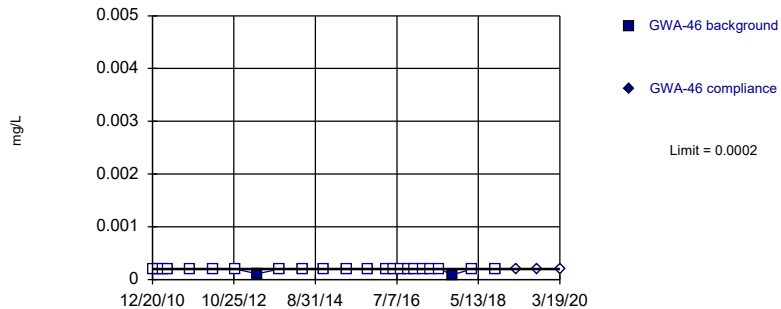


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

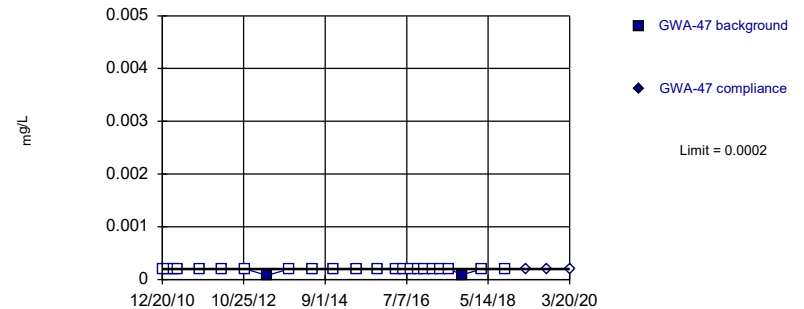


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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



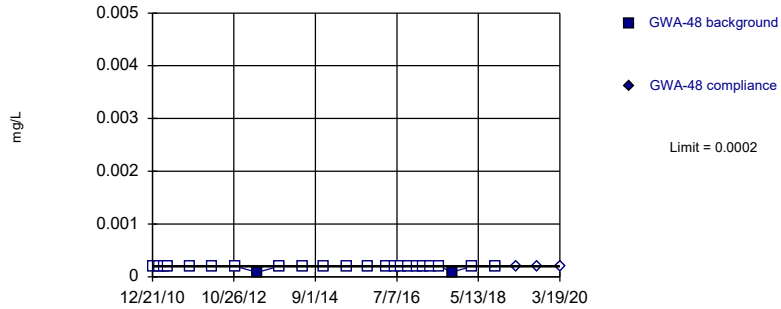
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

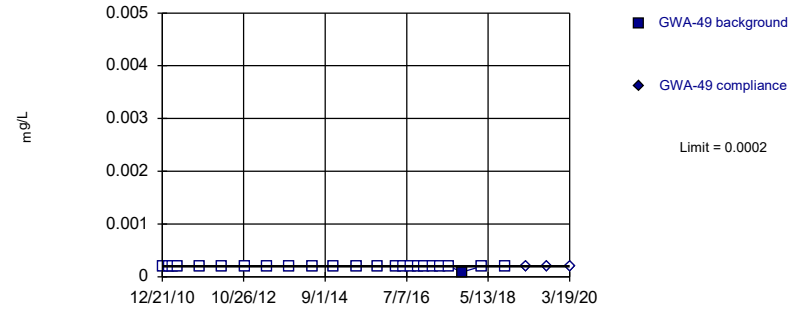


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

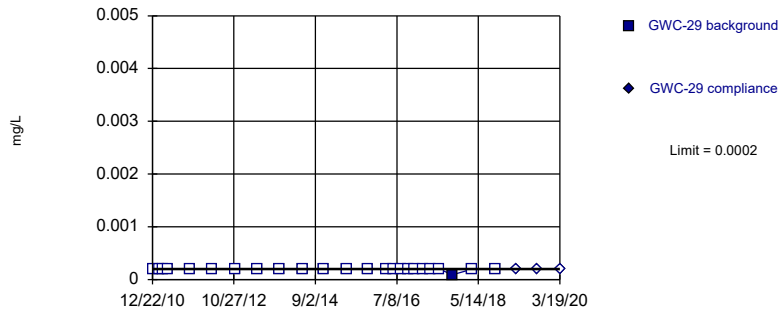


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

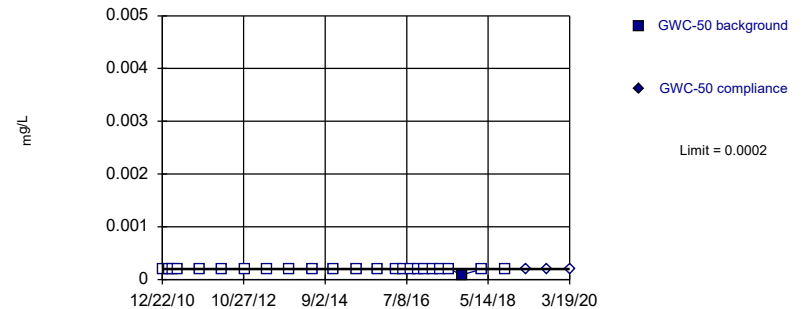


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

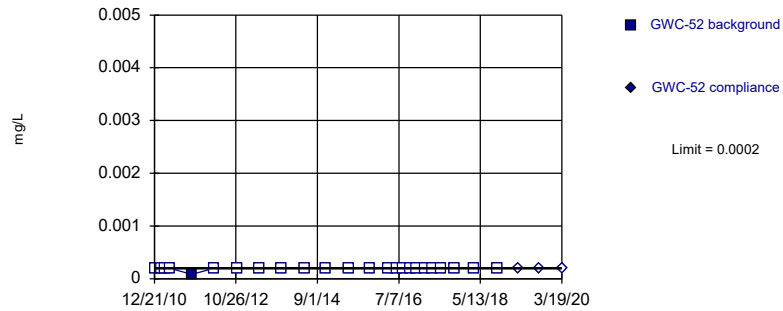


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

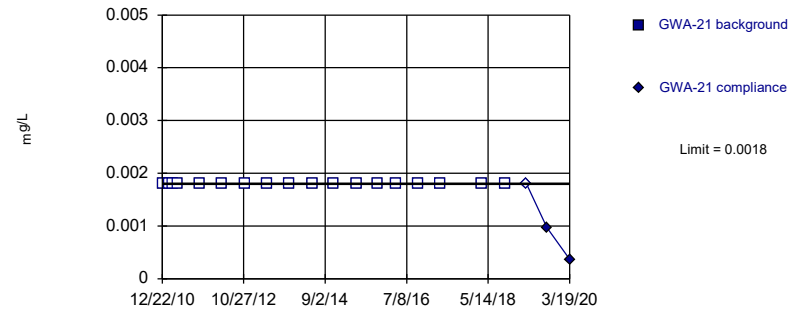


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

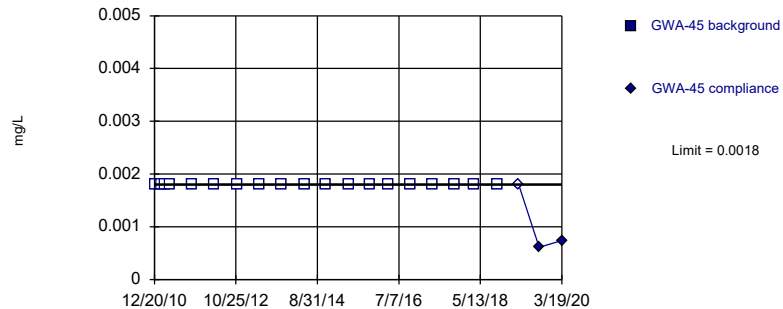


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

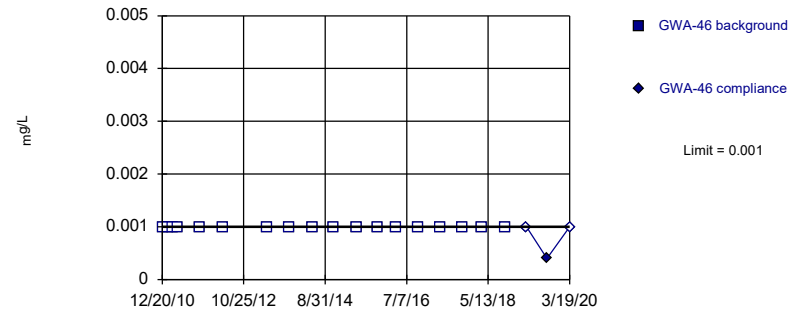


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

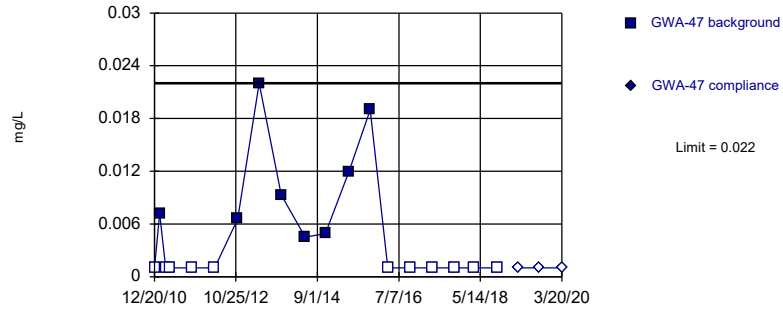


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

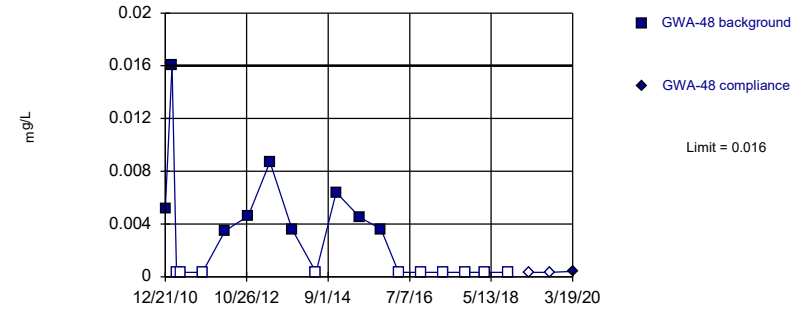


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

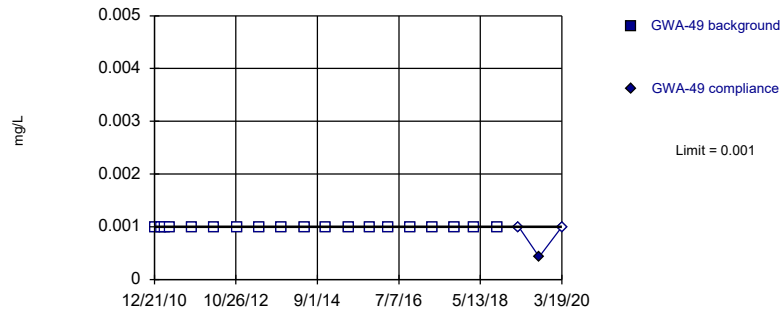


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 52.63% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

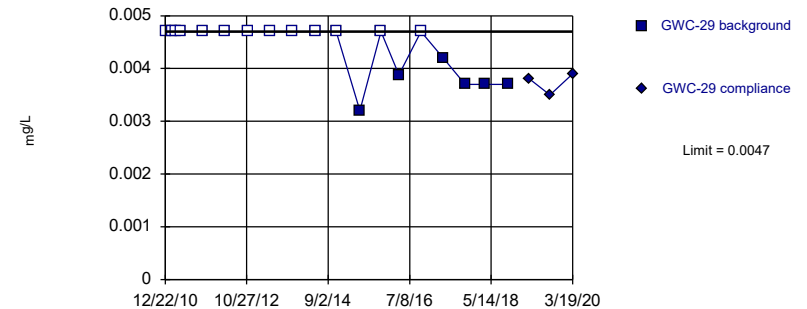


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

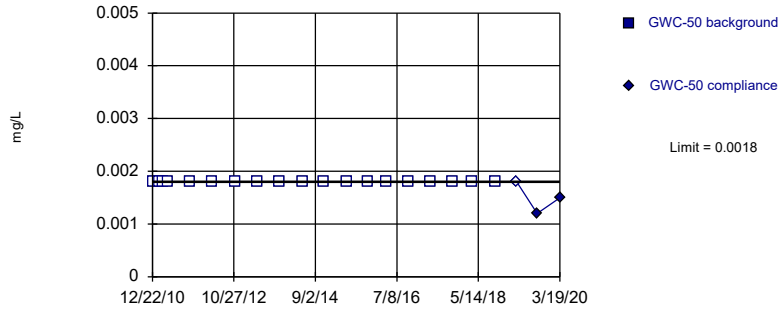


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

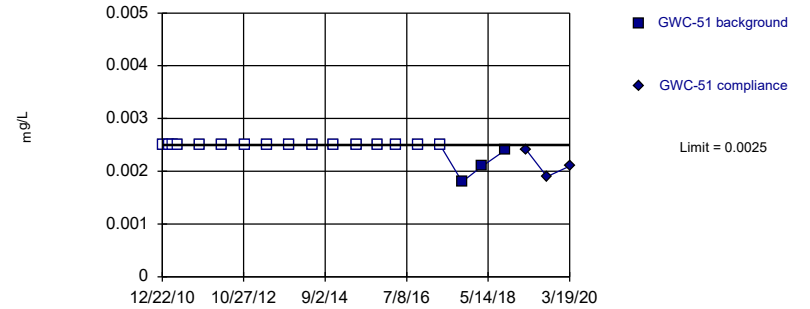


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

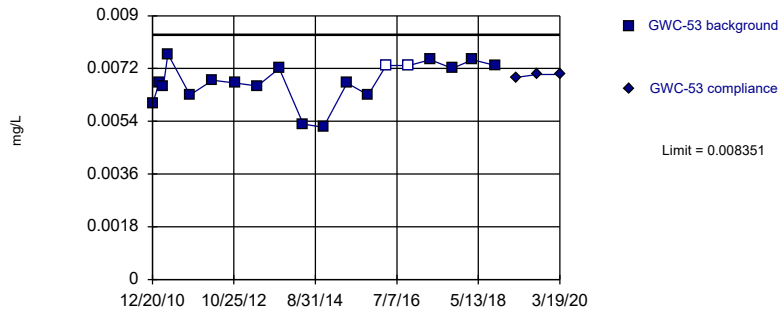


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

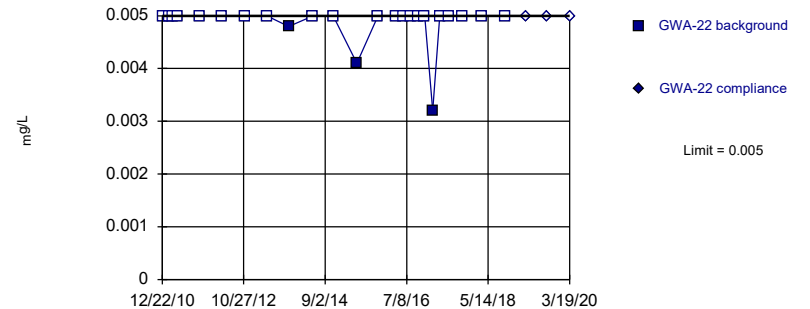


Background Data Summary: Mean=0.006747, Std. Dev.=0.0007019, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9132, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

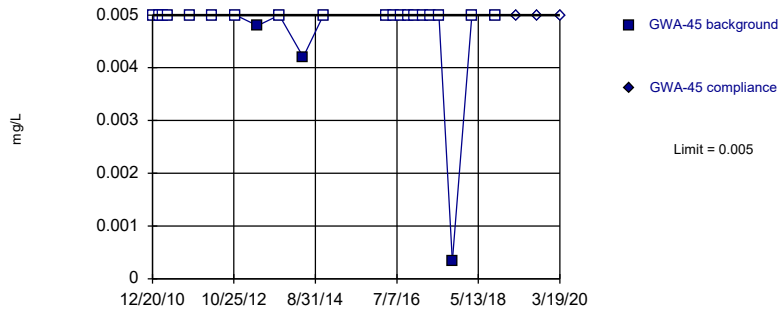


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

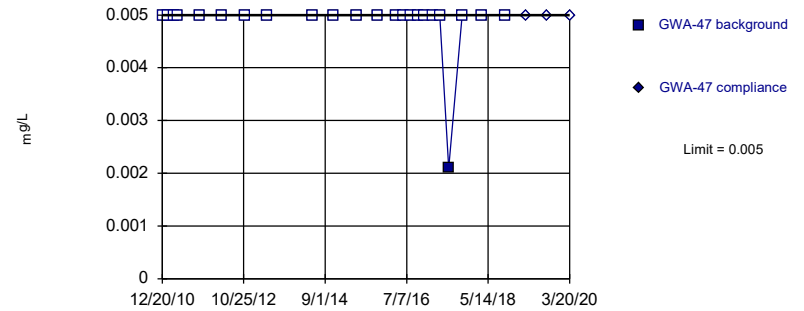


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

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

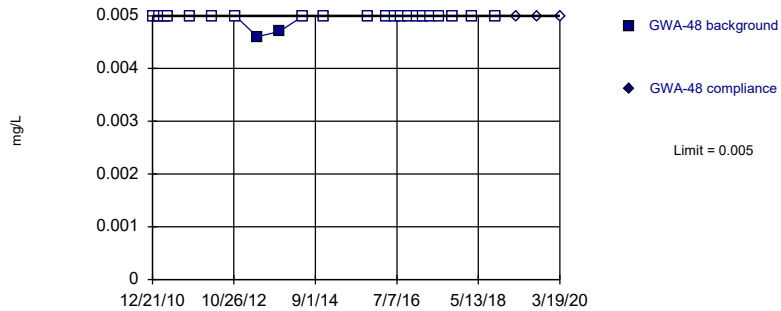


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

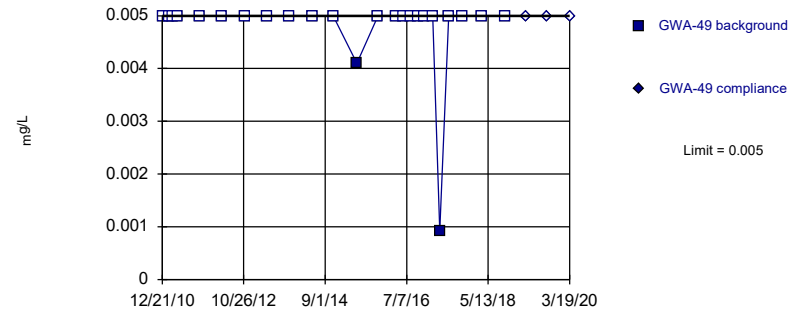


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

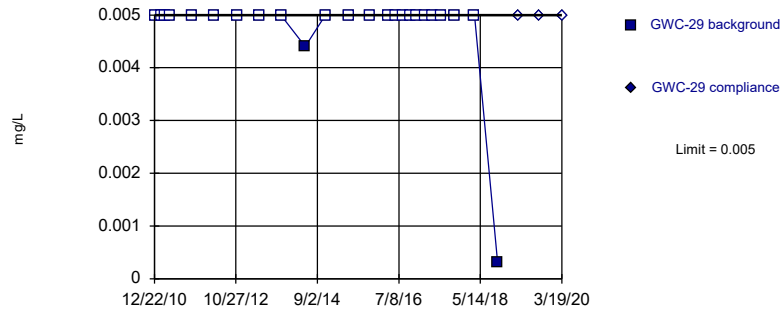


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

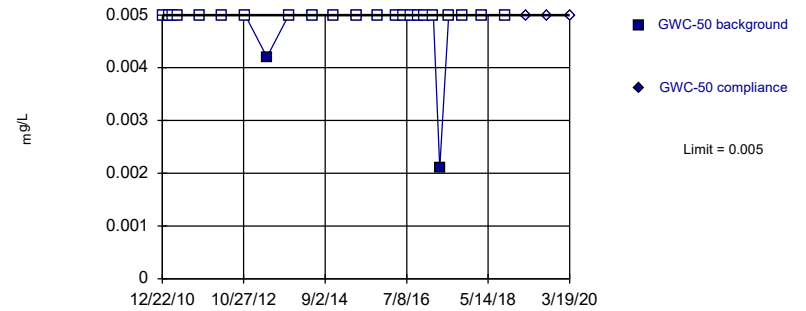


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

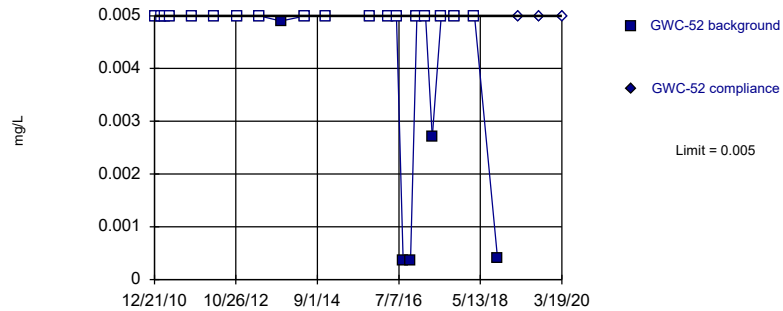


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

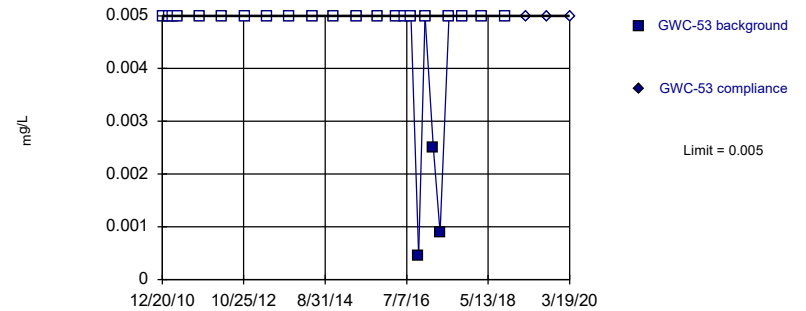


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

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

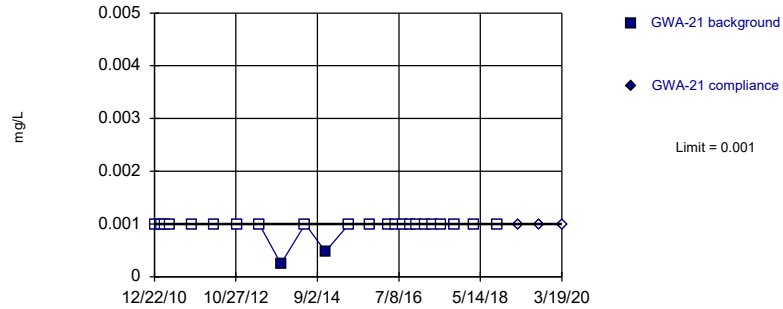


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

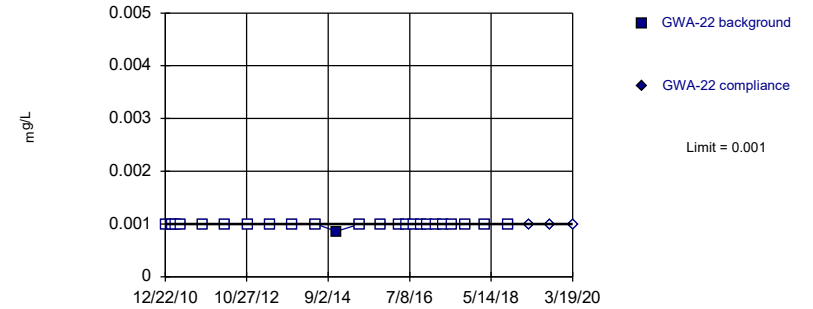


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

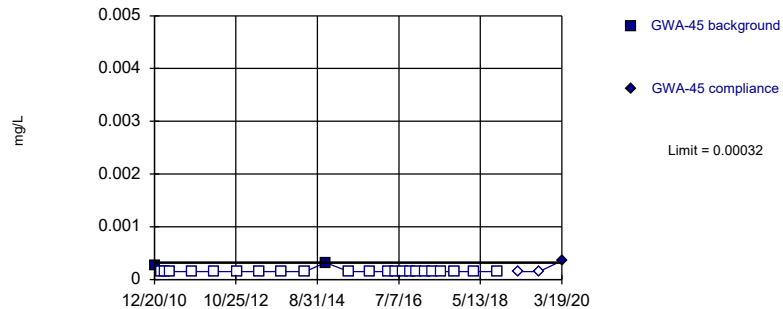


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

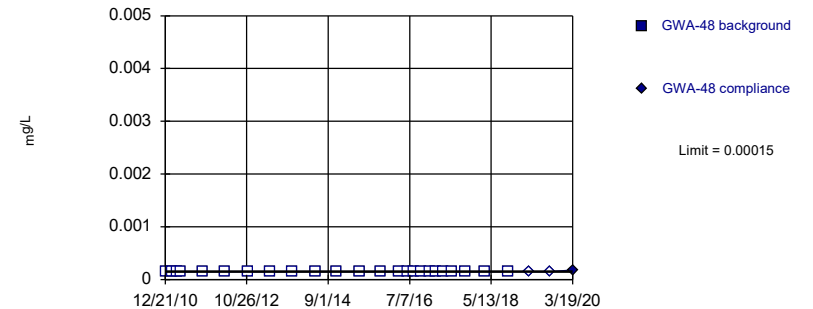


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

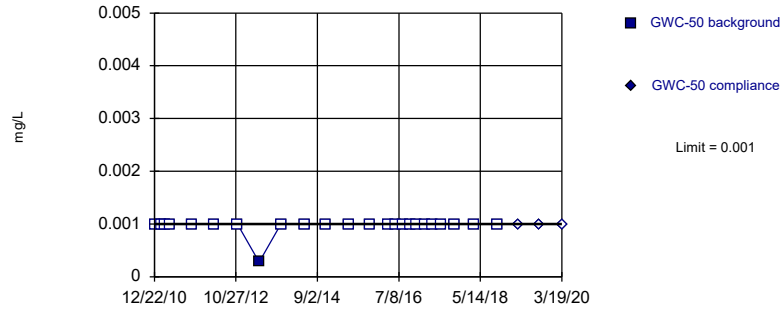


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

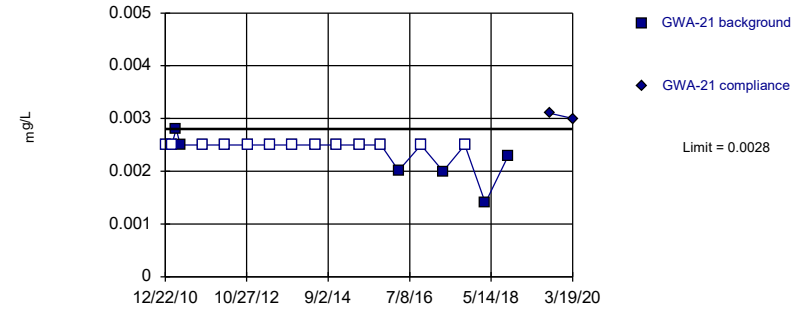


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

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

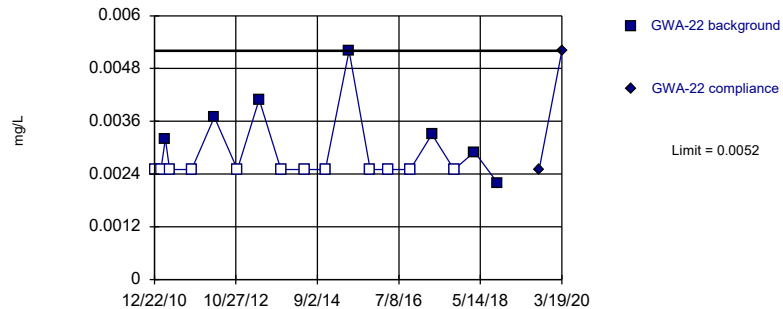


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 68.42% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

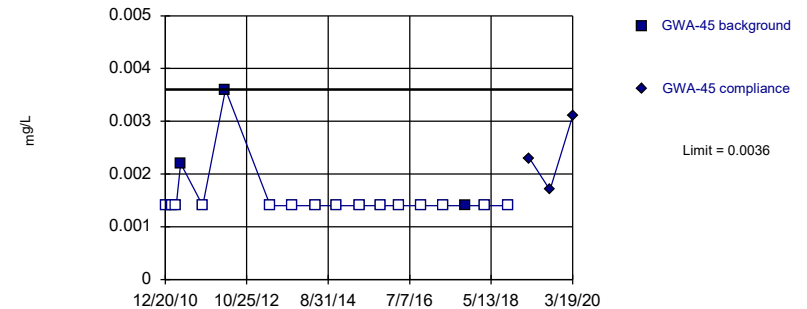


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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).

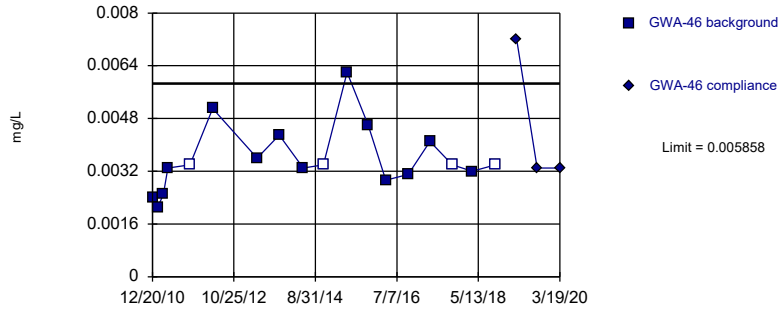
Constituent: Vanadium, Total Analysis Run 6/20/2020 9:04 AM View: PLs State  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



Within Limit

Prediction Limit

Intrawell Parametric



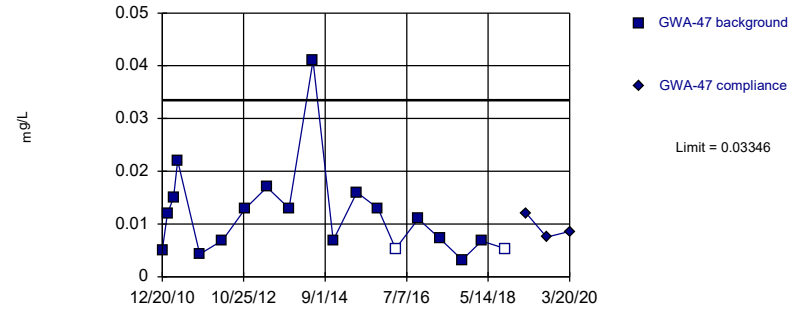
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003403, Std. Dev.=0.001061, n=18, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9105, critical = 0.858. Kappa = 2.314 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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



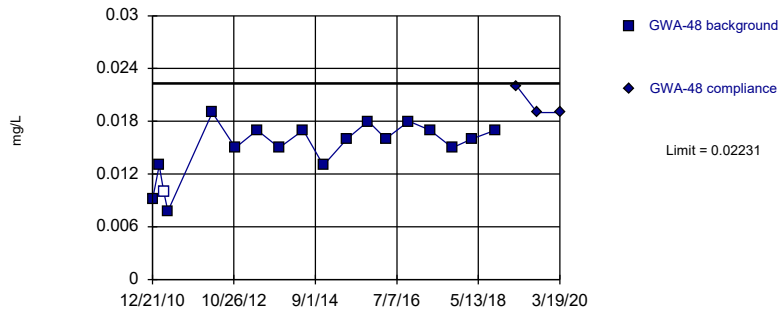
Background Data Summary (based on square root transformation): Mean=0.1031, Std. Dev.=0.03492, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9024, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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



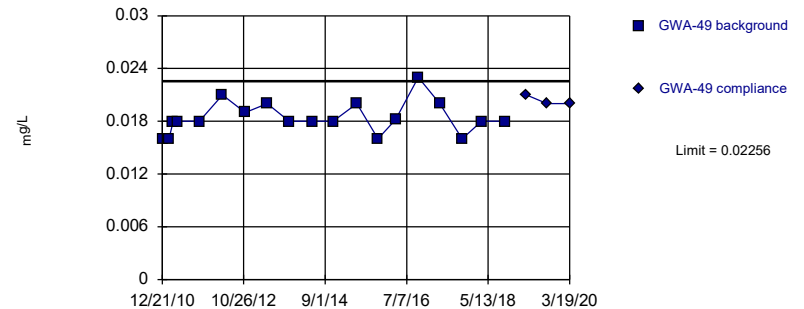
Background Data Summary: Mean=0.01494, Std. Dev.=0.003186, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8783, critical = 0.858. Kappa = 2.314 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

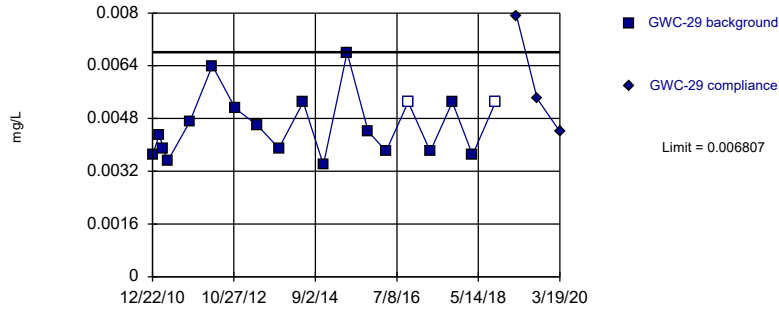


Background Data Summary: Mean=0.01838, Std. Dev.=0.00183, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8844, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

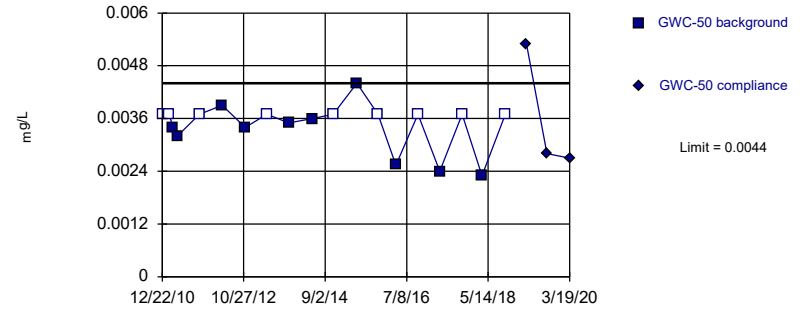


Background Data Summary: Mean=0.00459, Std. Dev.=0.0009702, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

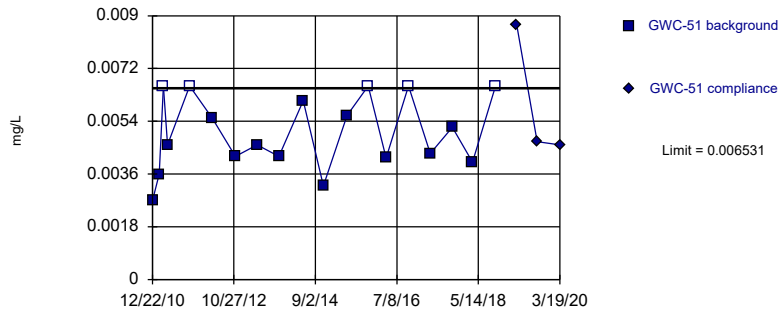


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 47.37% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (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

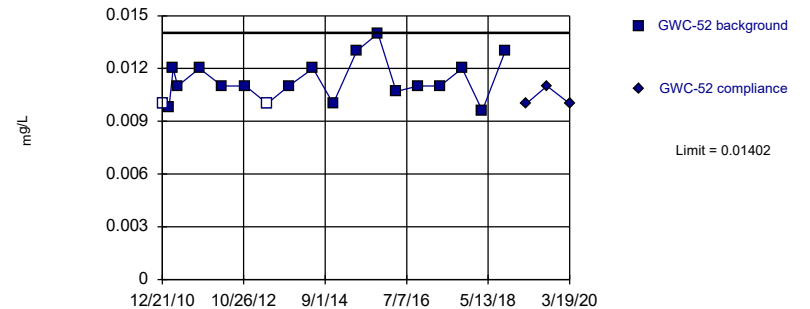


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004314, Std. Dev.=0.0009703, n=19, 26.32% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

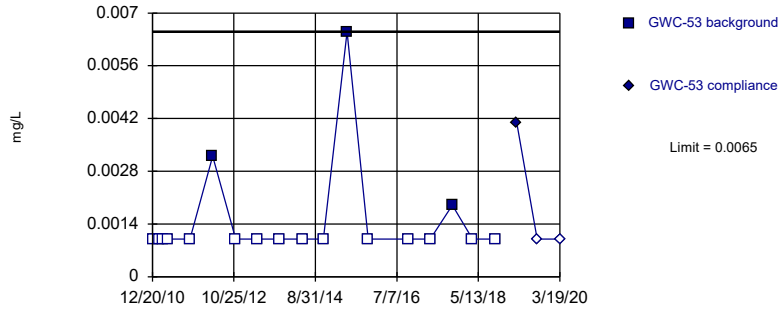


Background Data Summary: Mean=0.01127, Std. Dev.=0.001205, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.863. Kappa = 2.285 (c=13, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008101.

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

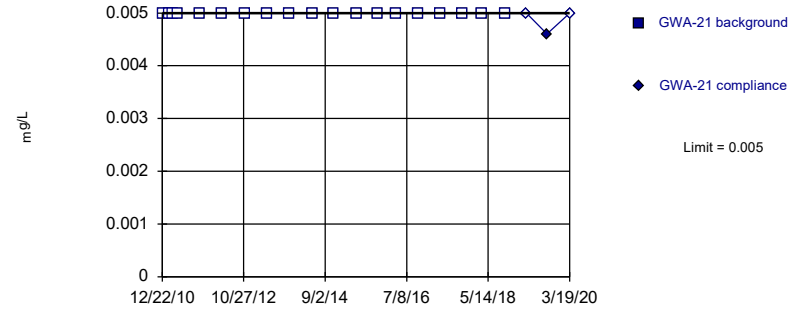


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

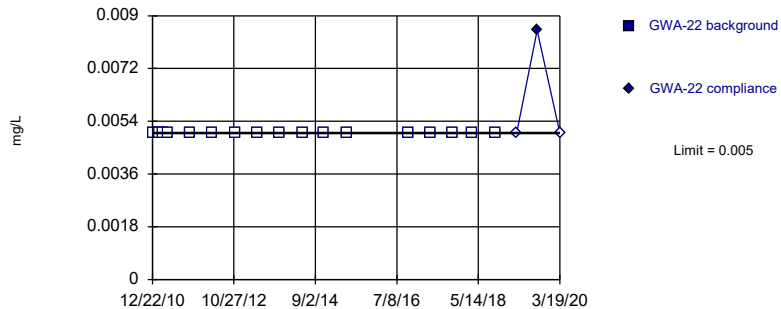


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

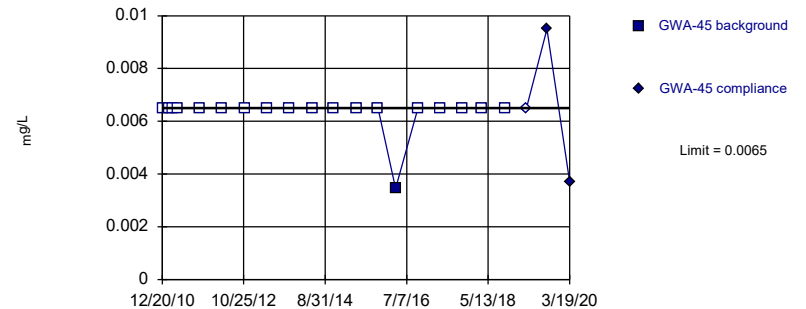


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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

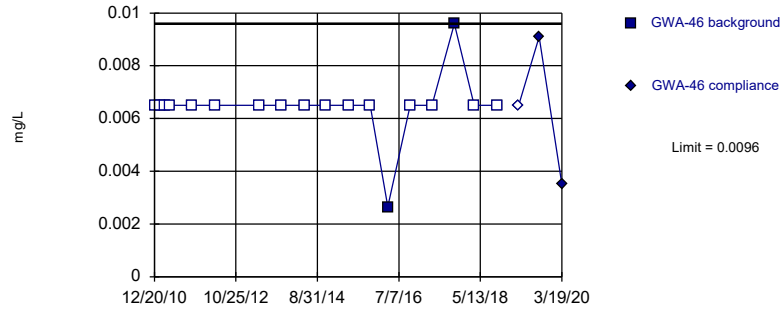


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

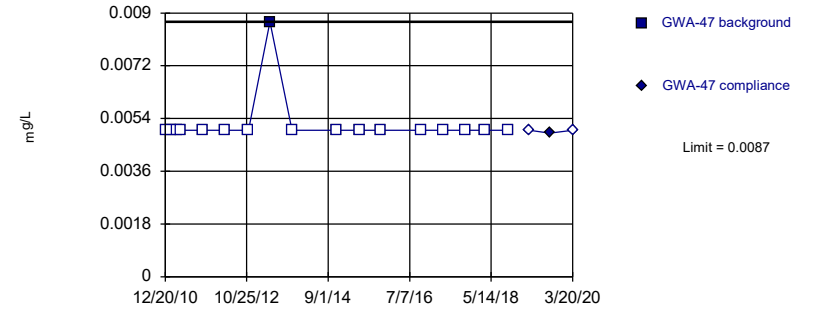


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

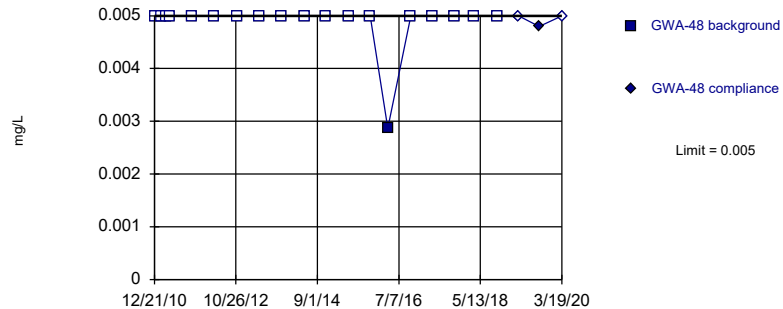


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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

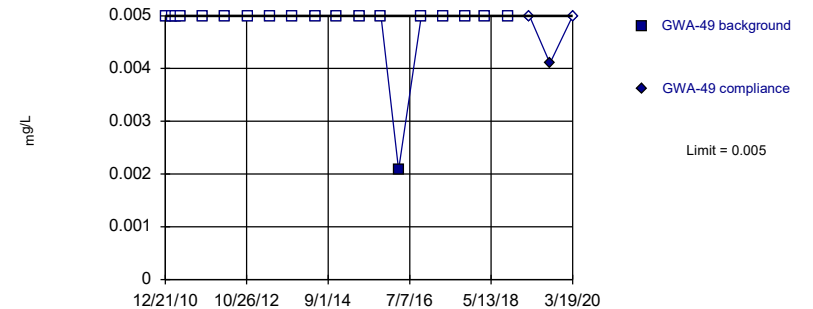


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

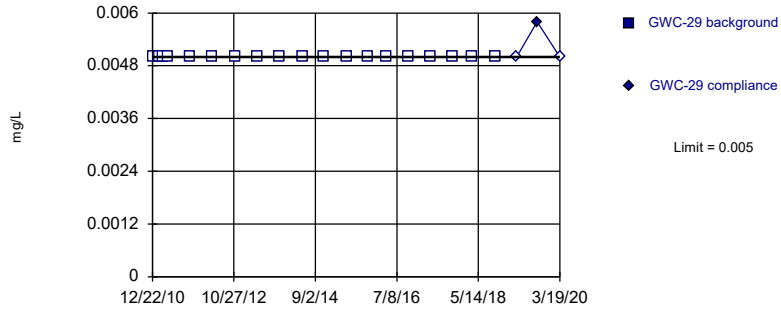


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

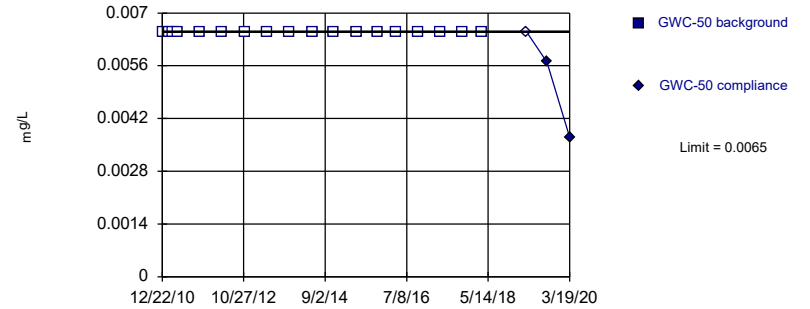


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 19) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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

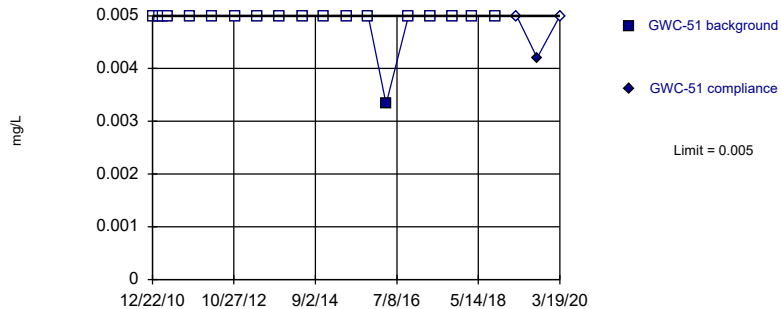


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

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

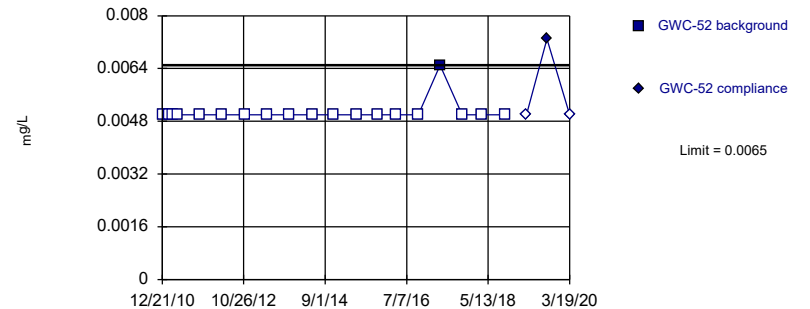


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

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



# 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, T 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

<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

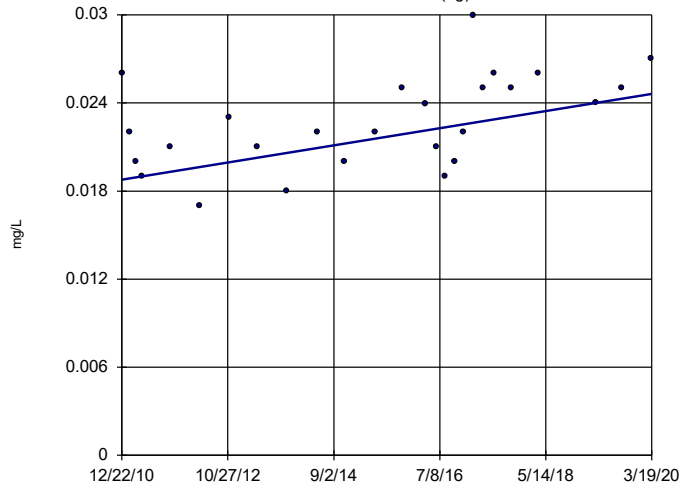
# State Parameters Trend Tests - All Results

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>

### Sen's Slope Estimator

GWA-21 (bg)

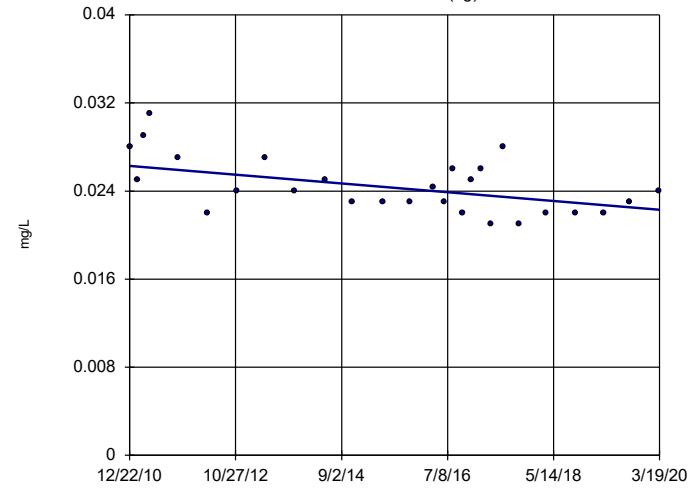


n = 26  
 Slope = 0.0006319  
 units per year.  
 Mann-Kendall  
 statistic = 125  
 critical = 118  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-22 (bg)

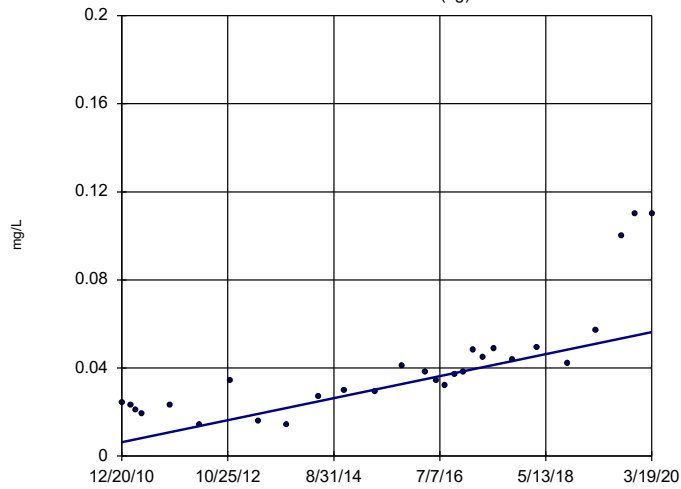


n = 27  
 Slope = -0.0004326  
 units per year.  
 Mann-Kendall  
 statistic = -127  
 critical = -124  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-45 (bg)

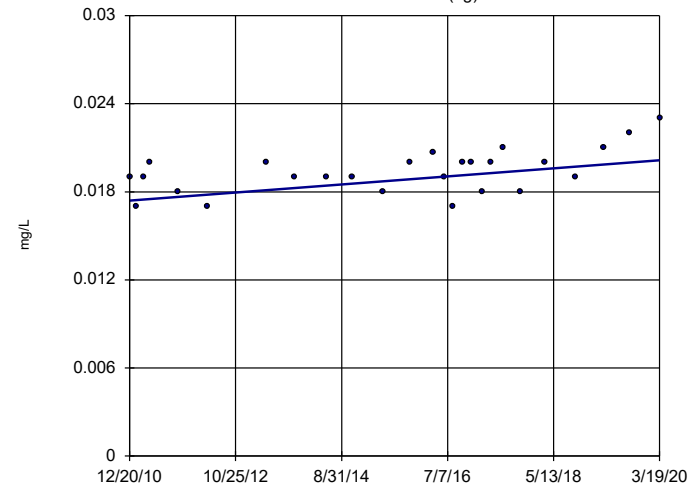


n = 28  
 Slope = 0.005403  
 units per year.  
 Mann-Kendall  
 statistic = 276  
 critical = 131  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-46 (bg)

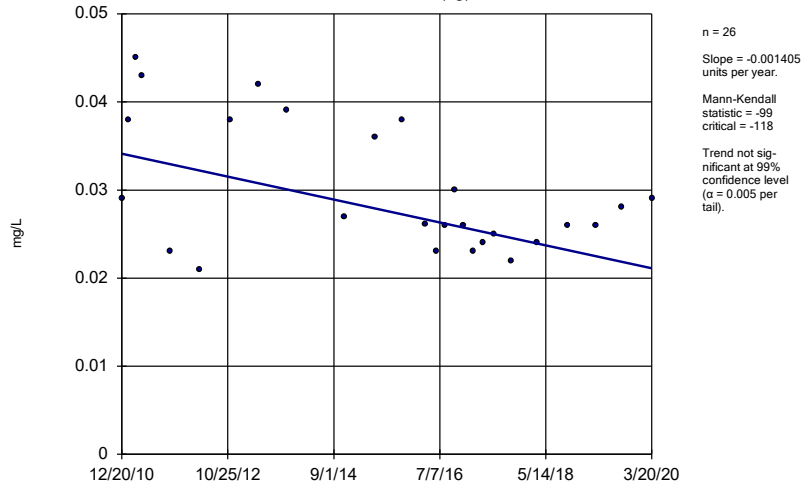


n = 26  
 Slope = 0.0002963  
 units per year.  
 Mann-Kendall  
 statistic = 119  
 critical = 118  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

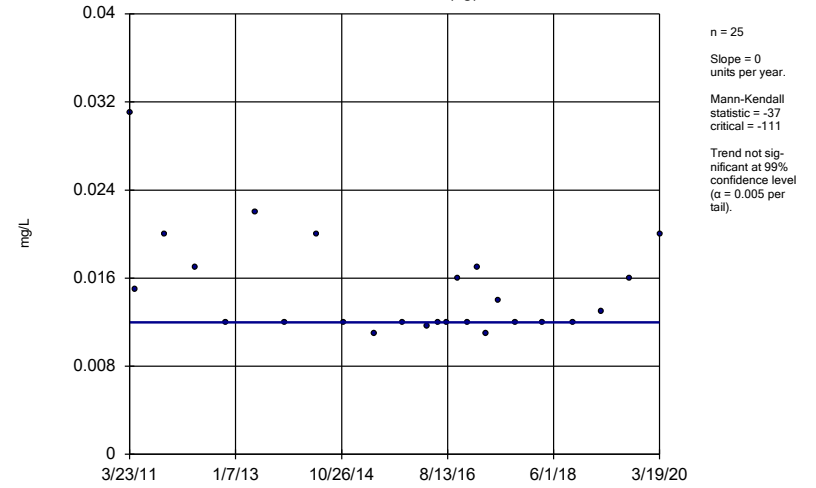
GWA-47 (bg)



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

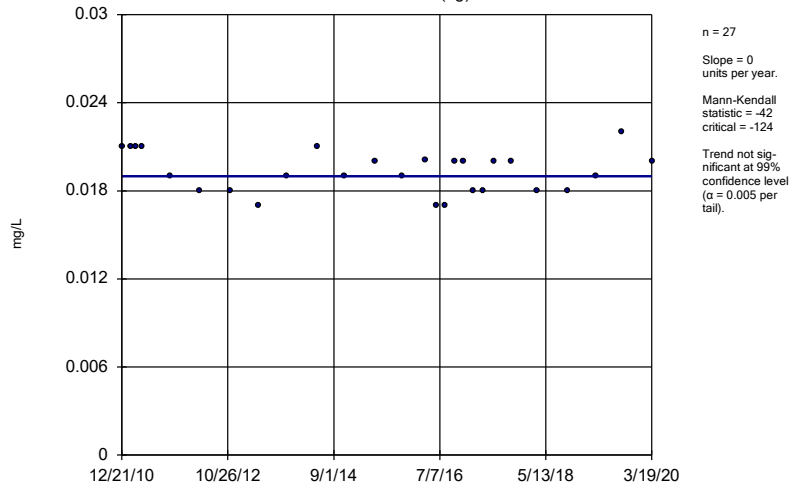
GWA-48 (bg)



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

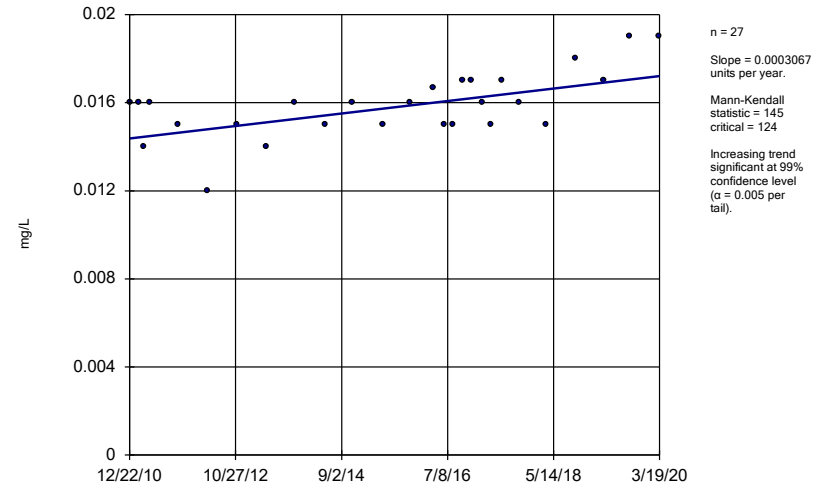
GWA-49 (bg)



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

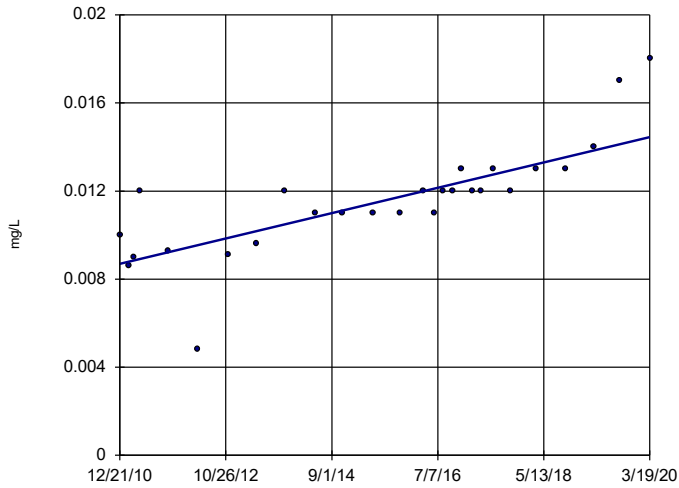
GWC-29



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



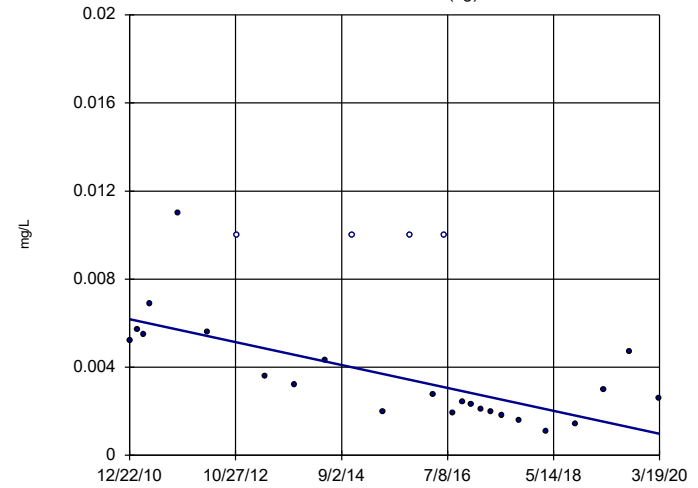
### Sen's Slope Estimator GWC-52



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

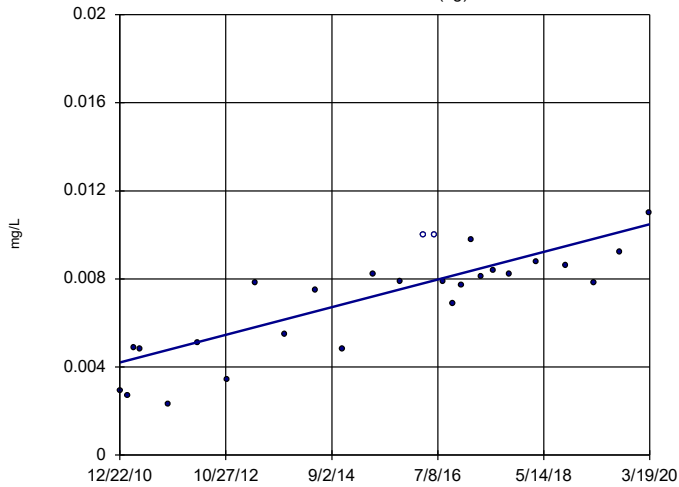
### Sen's Slope Estimator GWA-21 (bg)



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

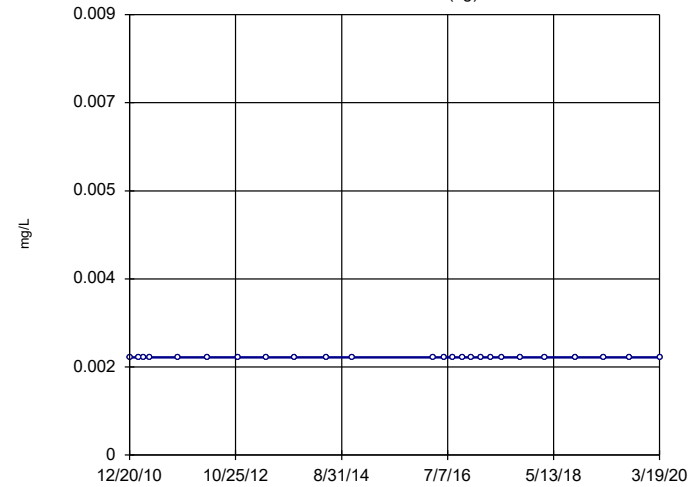
### Sen's Slope Estimator GWA-22 (bg)



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)

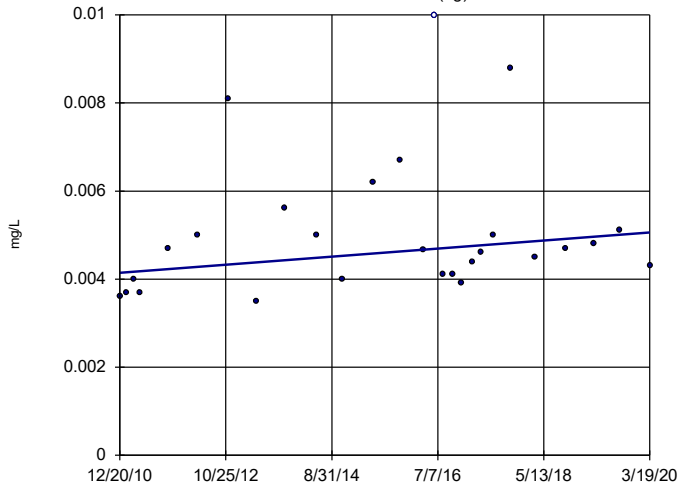


n = 25  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 0  
 critical = 111  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

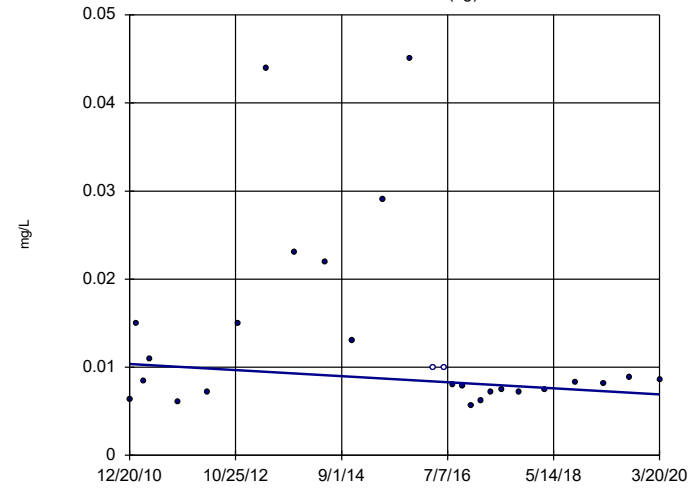


n = 27  
Slope = 0.00009914  
units per year.  
Mann-Kendall  
statistic = 78  
critical = 124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

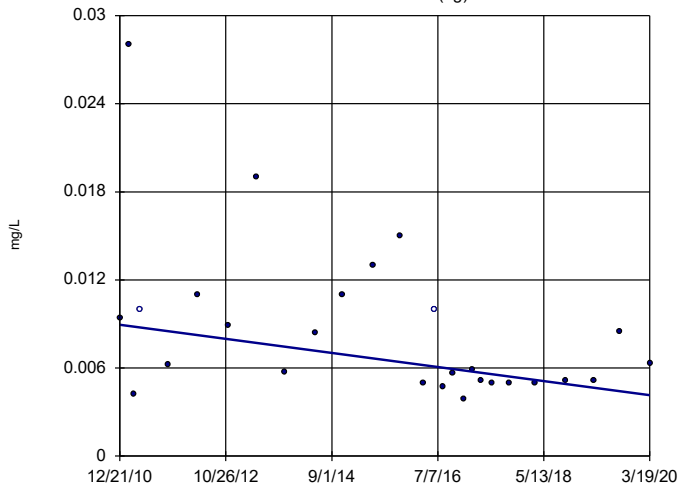


n = 27  
Slope = -0.0003712  
units per year.  
Mann-Kendall  
statistic = -53  
critical = -124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

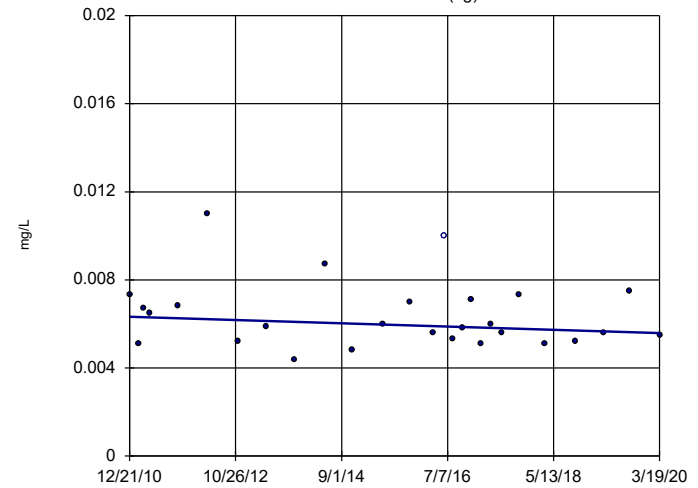


n = 27  
Slope = -0.00052  
units per year.  
Mann-Kendall  
statistic = -97  
critical = -124  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

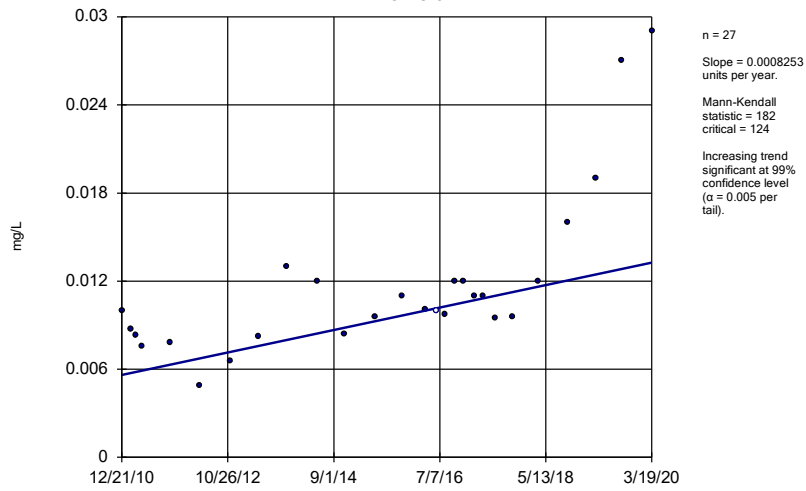
GWA-49 (bg)



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	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	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	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	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	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	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	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	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	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	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	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	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	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>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	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	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>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	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	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>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	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	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>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	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	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	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	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>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	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	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	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	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	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>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	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>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	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	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	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	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	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	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	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	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	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	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	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	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	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	No	0.000752	Param Intra 1 of 2

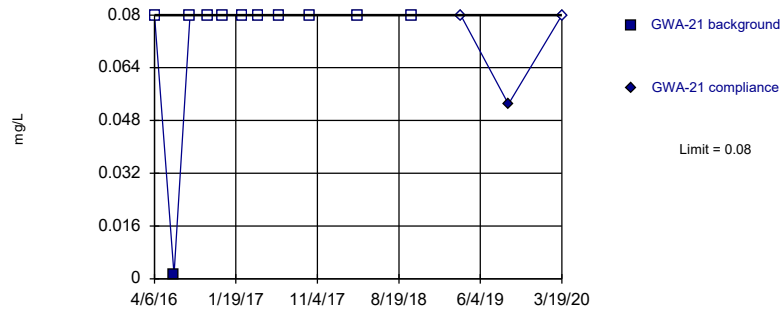
# Intrawell Prediction Limit Summary (Federal) - All Results

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

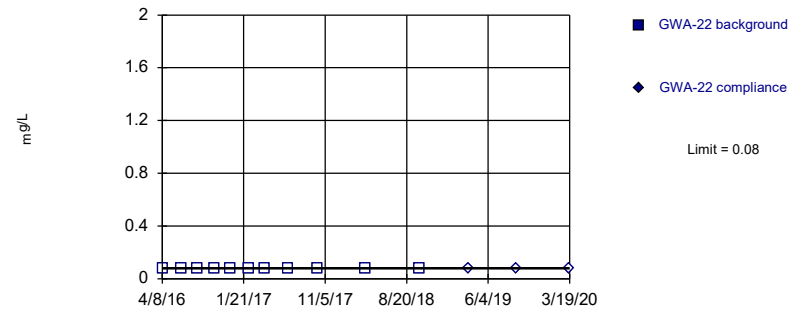


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

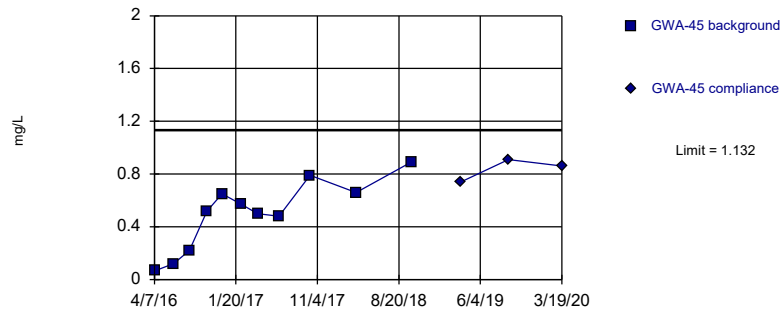


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

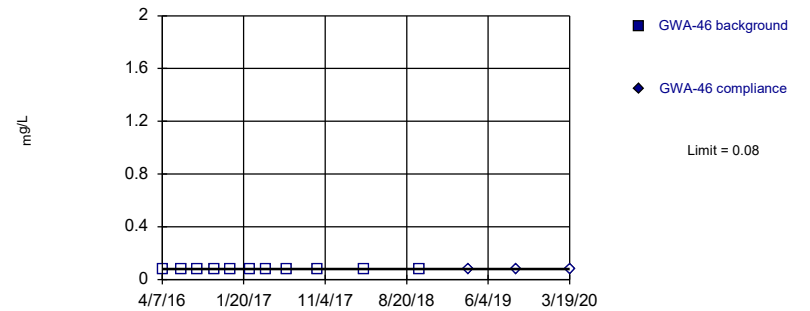


Background Data Summary: Mean=0.4969, Std. Dev.=0.2648, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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



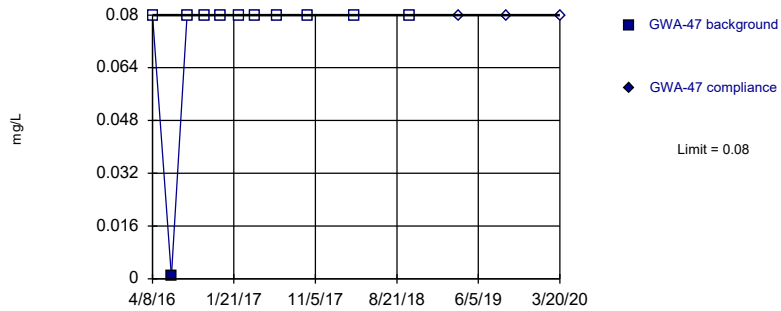
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

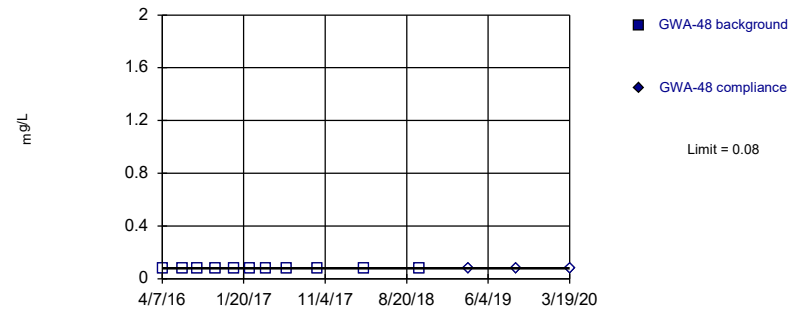


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

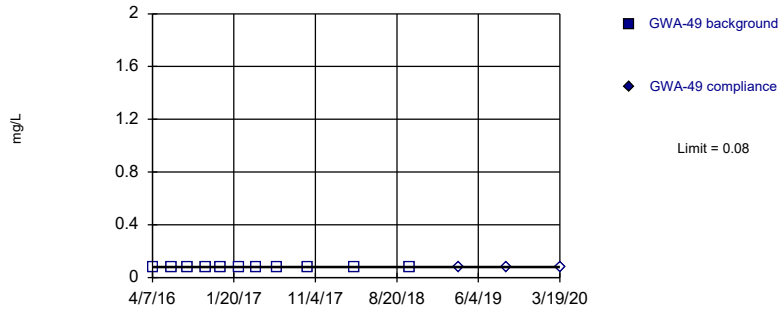


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

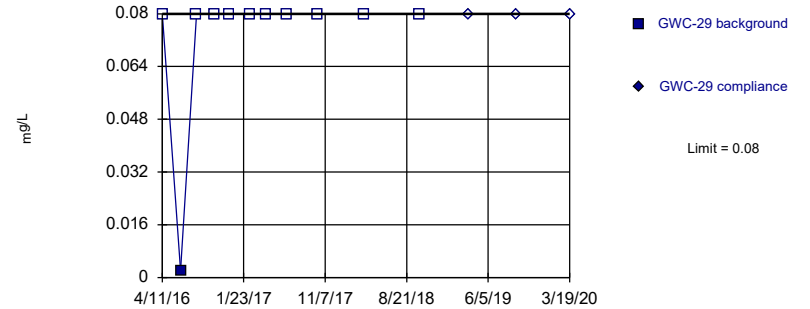


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

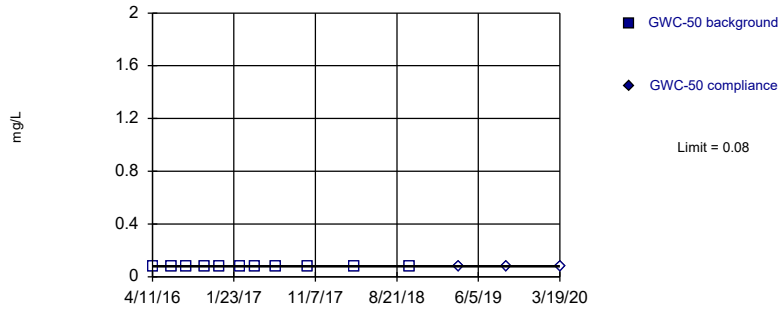


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

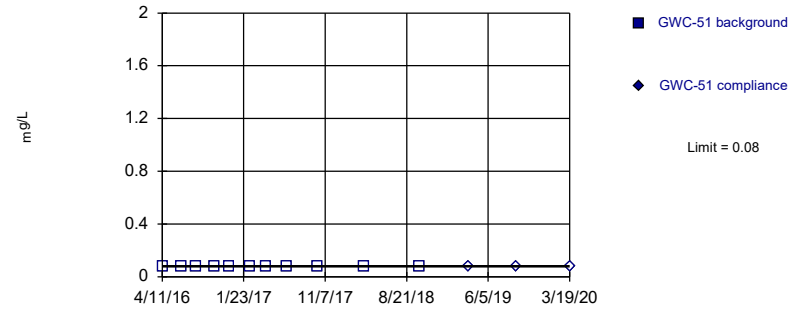


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

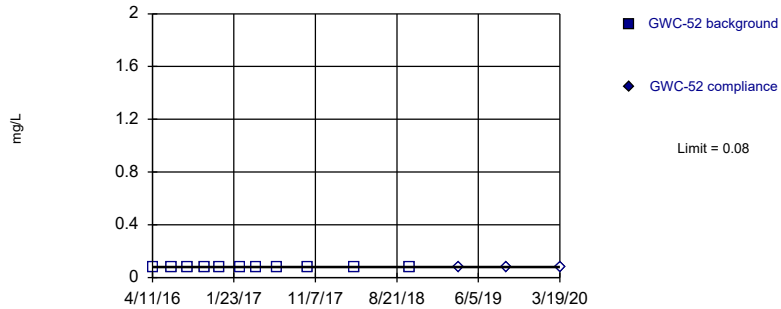


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

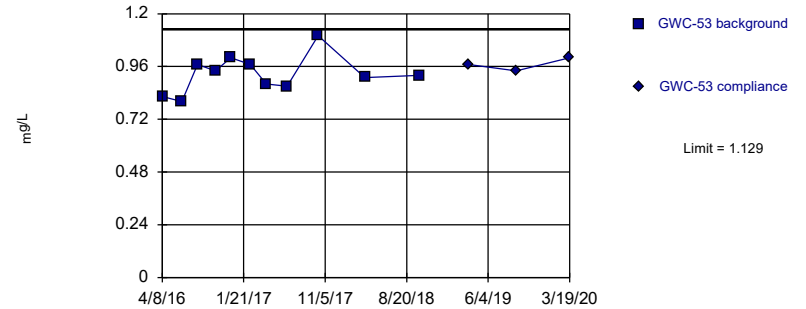


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

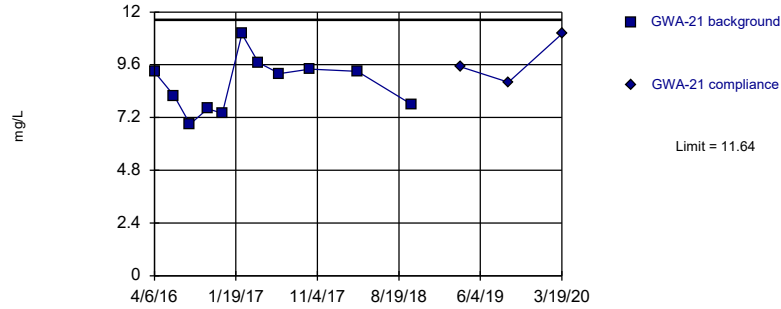


Background Data Summary: Mean=0.9258, Std. Dev.=0.08464, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9722, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

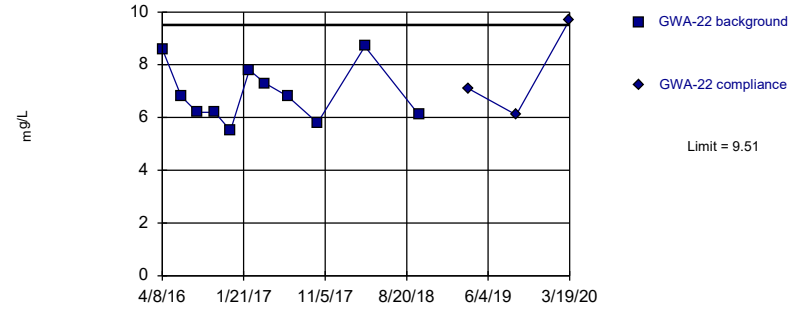


Background Data Summary: Mean=8.706, Std. Dev.=1.221, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

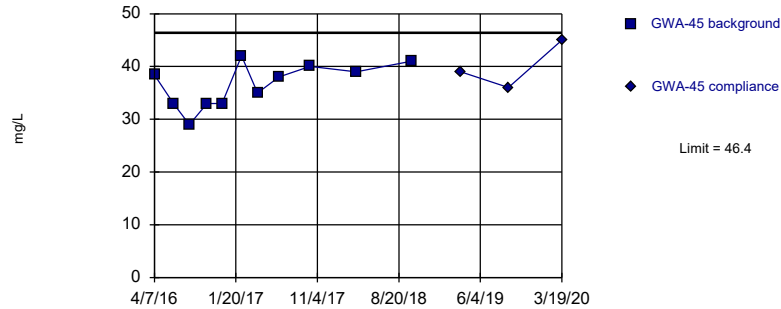


Background Data Summary: Mean=6.891, Std. Dev.=1.091, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

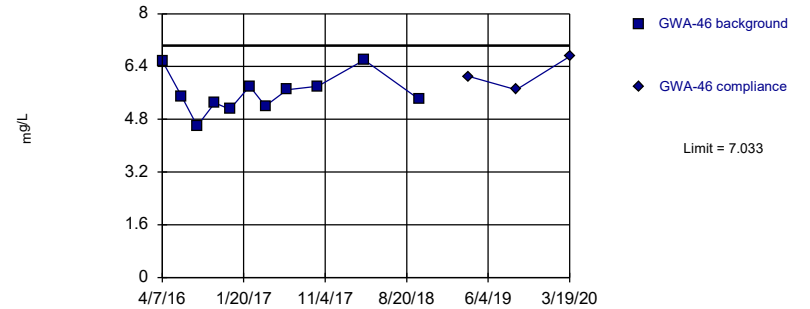


Background Data Summary: Mean=36.48, Std. Dev.=4.133, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9356, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

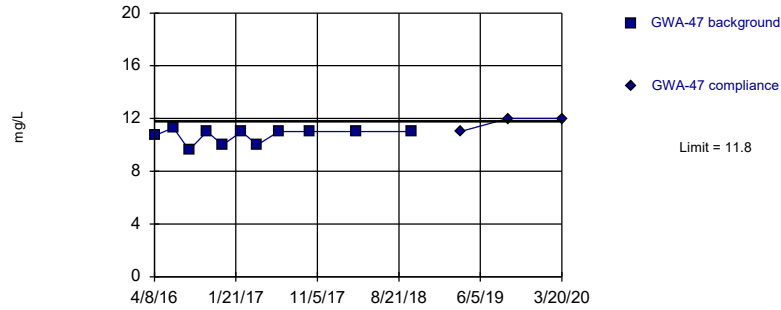


Background Data Summary: Mean=5.597, Std. Dev.=0.5984, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9408, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

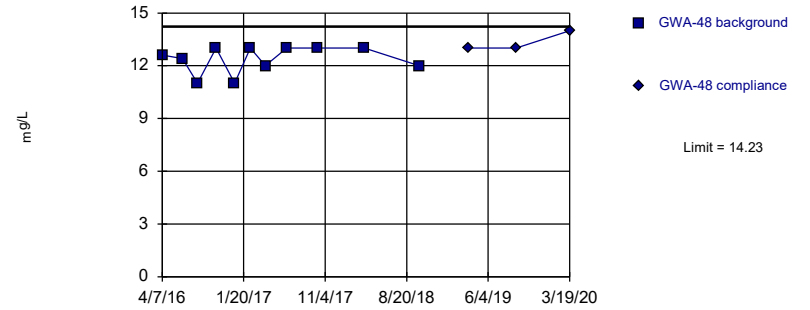


Background Data Summary (based on x^4 transformation): Mean=13250, Std. Dev.=2544, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.797, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 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

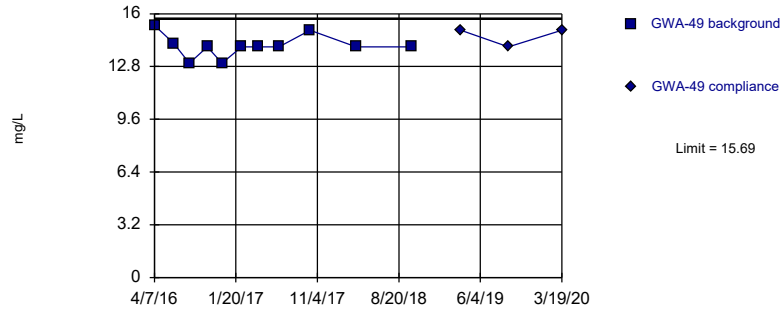


Background Data Summary: Mean=12.36, Std. Dev.=0.7788, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7935, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

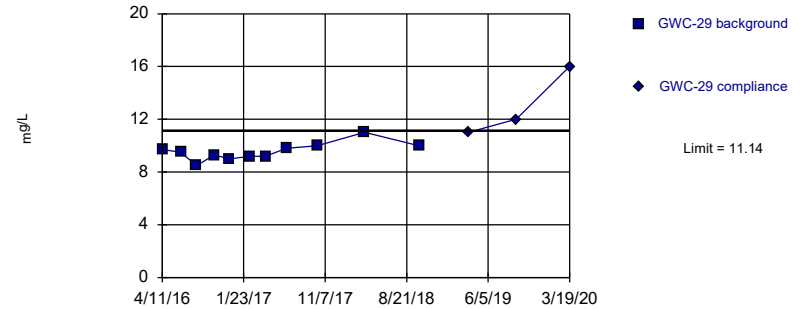


Background Data Summary: Mean=14.05, Std. Dev.=0.6861, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8467, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

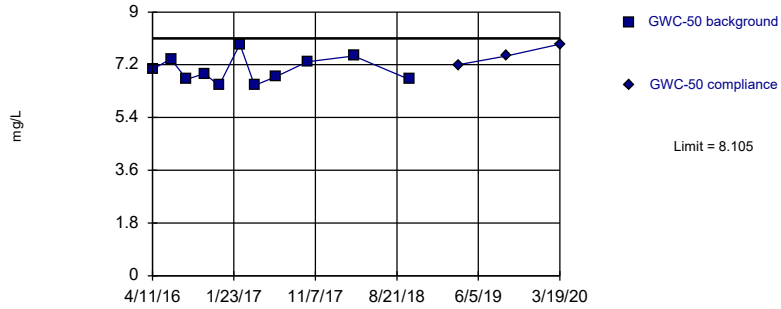
Prediction Limit  
Intrawell Parametric



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

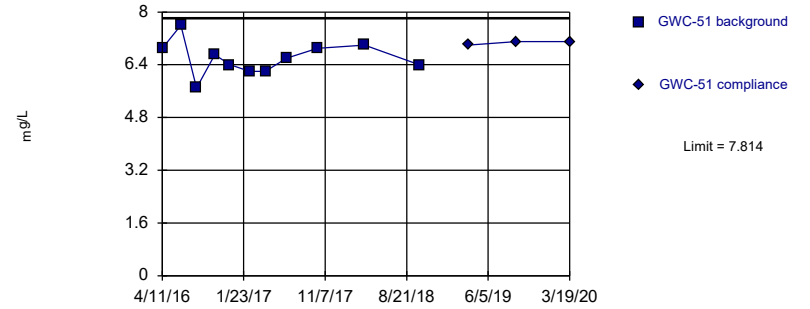
Within Limit Prediction Limit  
Intrawell Parametric



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

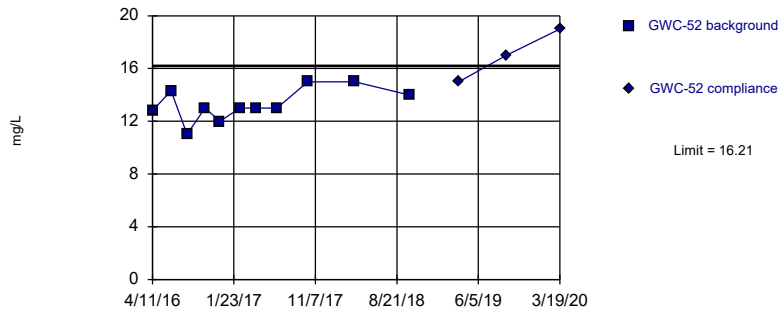
Within Limit Prediction Limit  
Intrawell Parametric



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

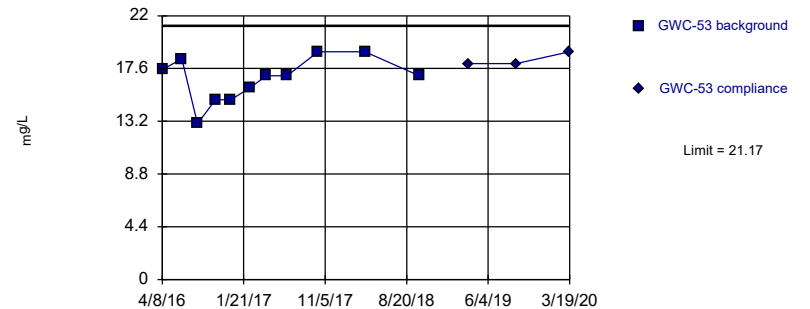
Exceeds Limit Prediction Limit  
Intrawell Parametric



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

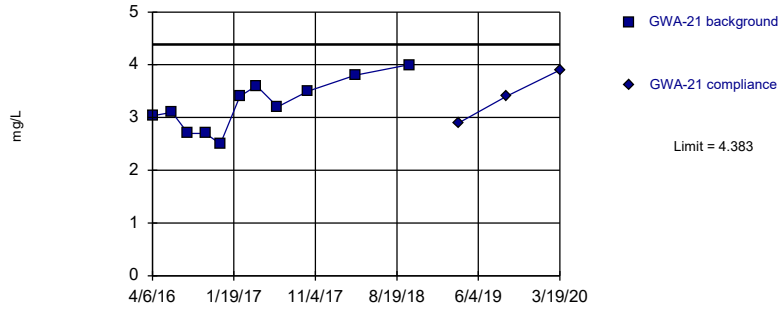


Background Data Summary: Mean=16.72, Std. Dev.=1.853, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

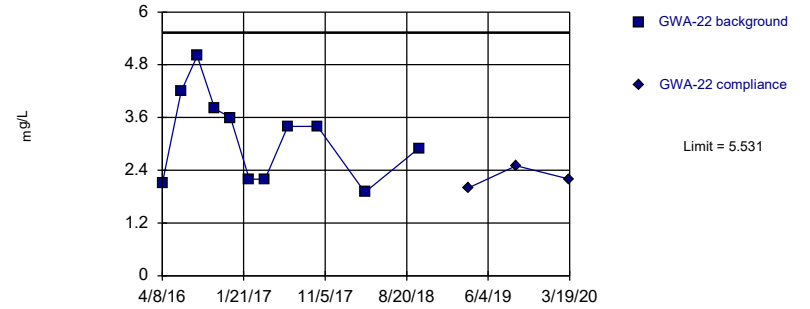


Background Data Summary: Mean=3.23, Std. Dev.=0.4804, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9695, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

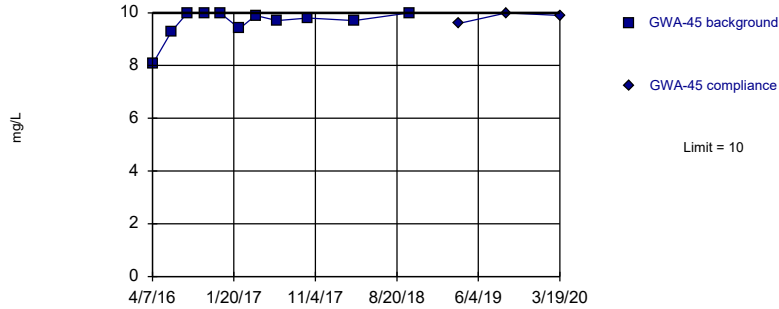


Background Data Summary: Mean=3.155, Std. Dev.=0.9903, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9354, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

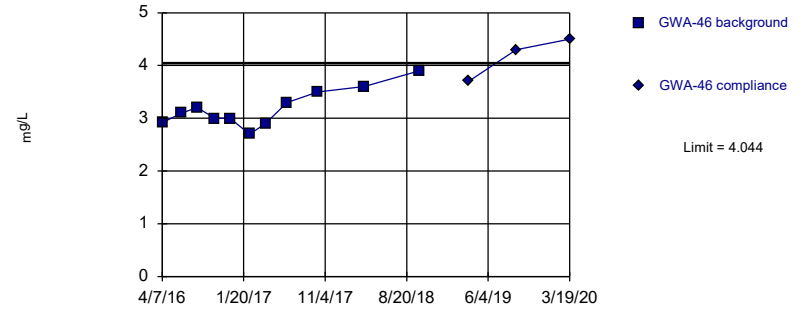


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

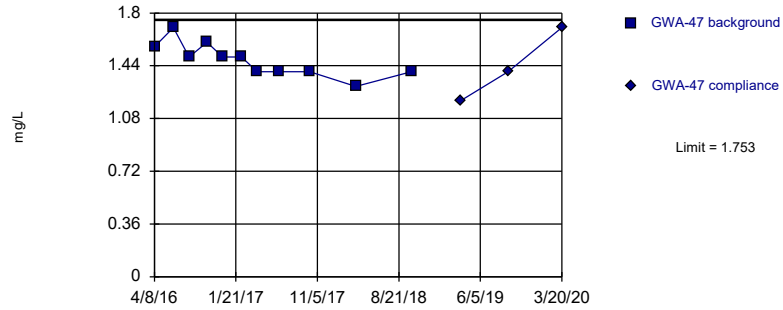


Background Data Summary: Mean=3.192, Std. Dev.=0.3551, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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 Parametric

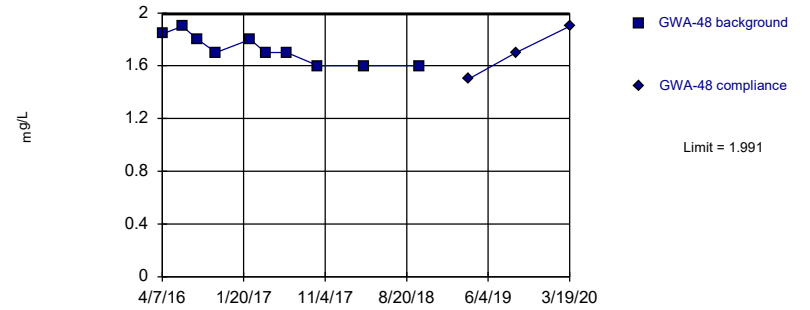


Background Data Summary: Mean=1.479, Std. Dev.=0.1141, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9416, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

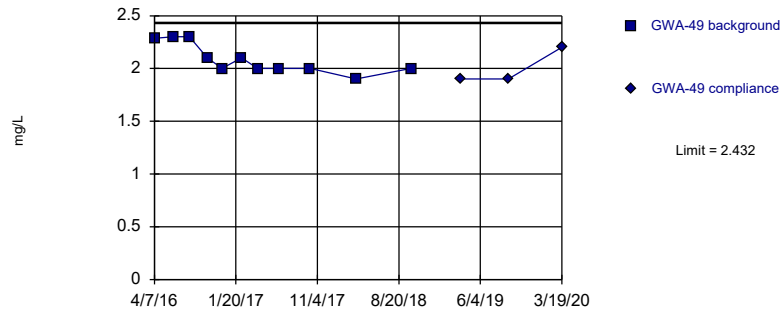


Background Data Summary: Mean=1.724, Std. Dev.=0.1077, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9028, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

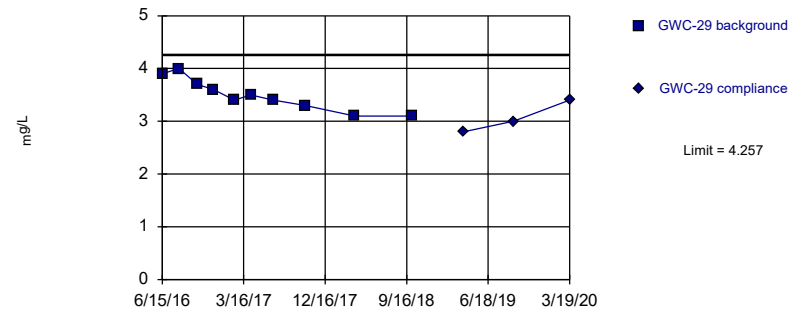


Background Data Summary: Mean=2.09, Std. Dev.=0.1425, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8245, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

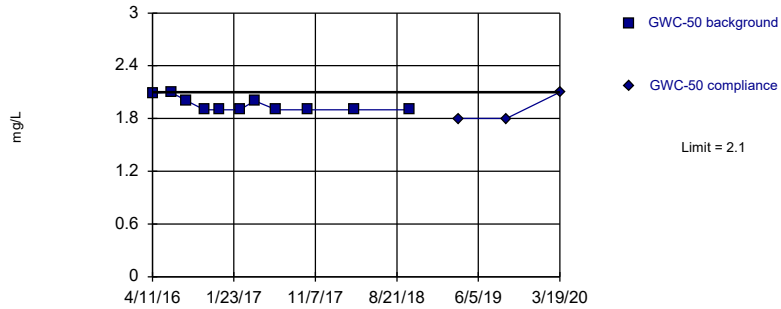


Background Data Summary: Mean=3.5, Std. Dev.=0.3055, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9513, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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 Non-parametric

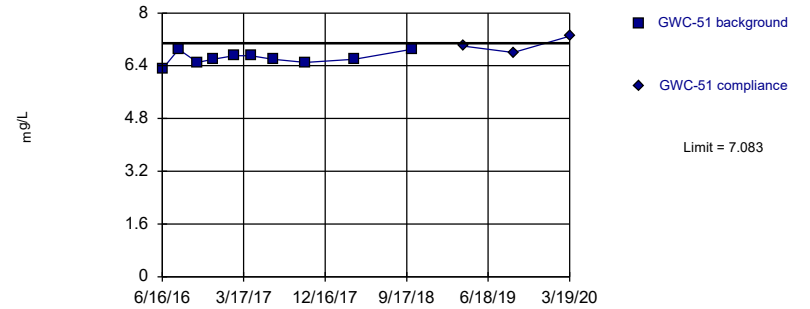


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

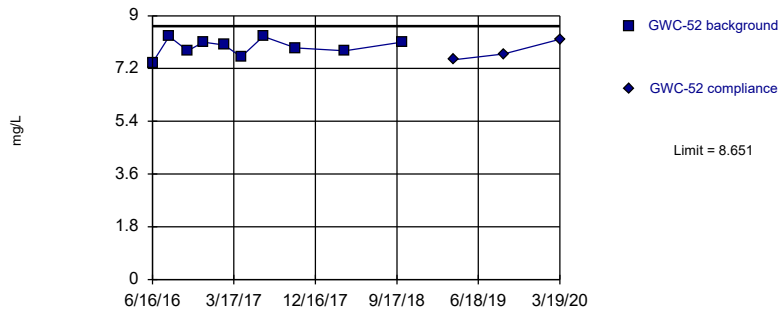


Background Data Summary: Mean=6.63, Std. Dev.=0.1829, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9369, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

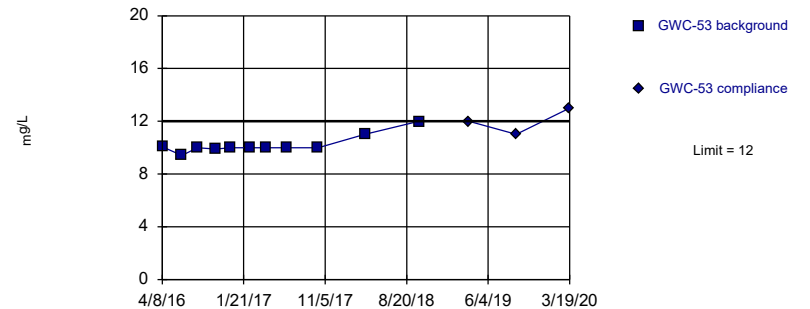


Background Data Summary: Mean=7.93, Std. Dev.=0.2908, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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



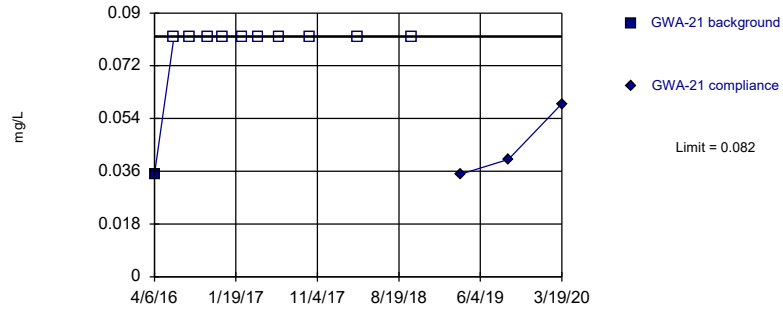
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

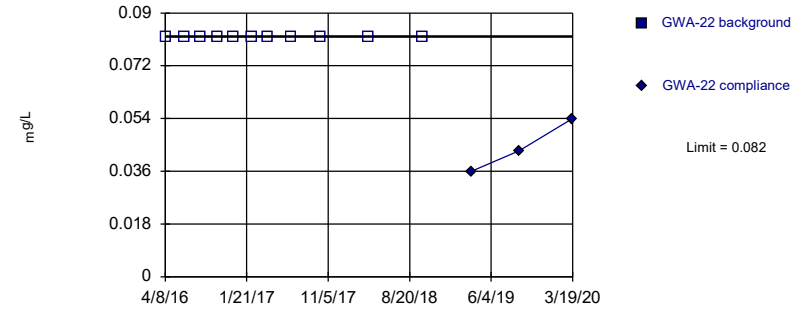


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

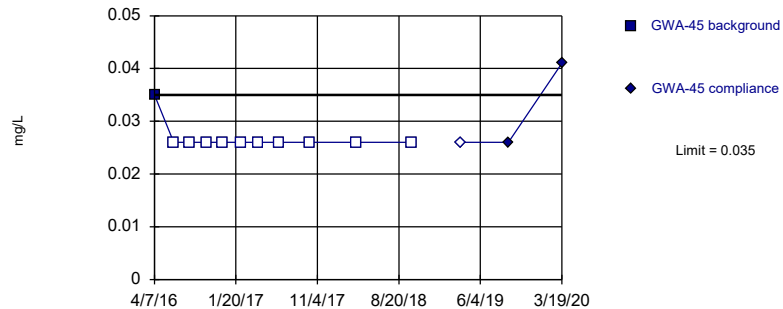


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

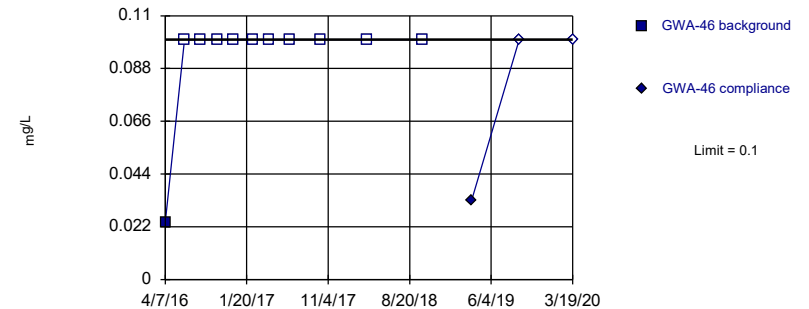


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

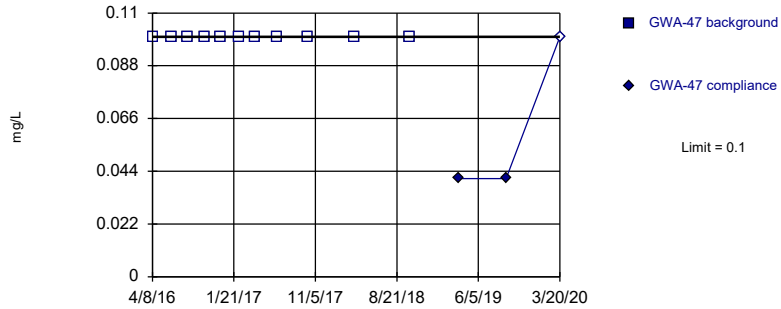


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

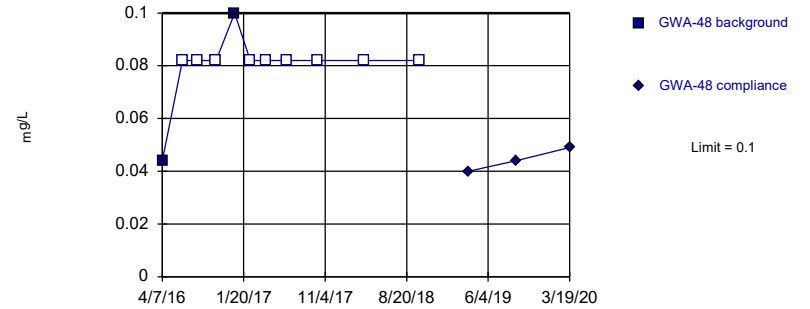


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

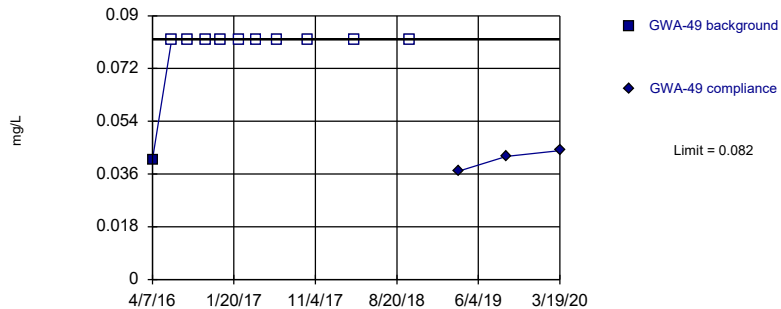


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

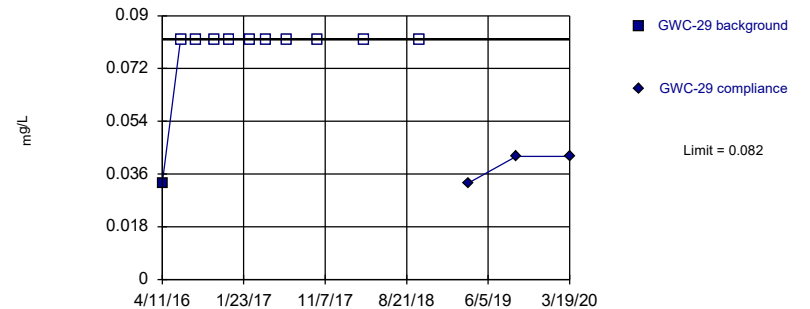


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

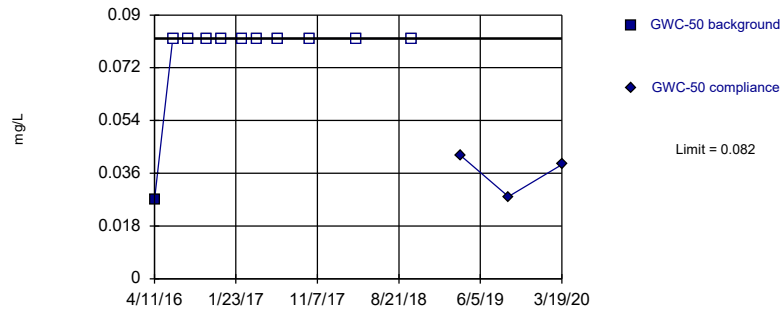


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

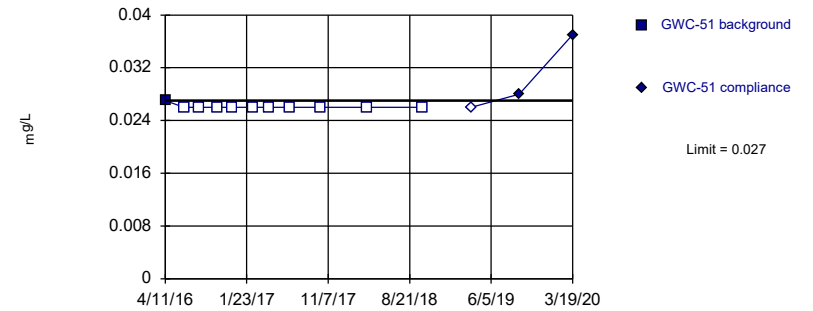


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

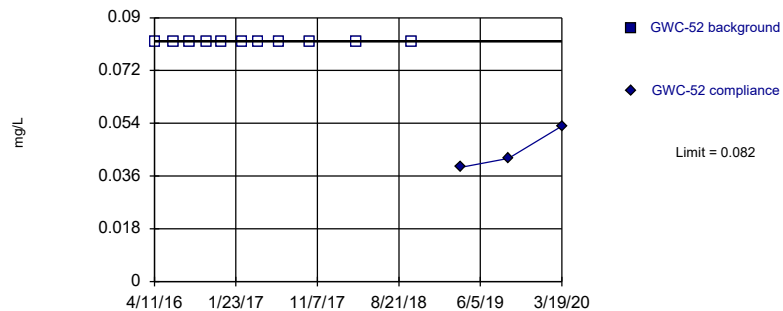


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

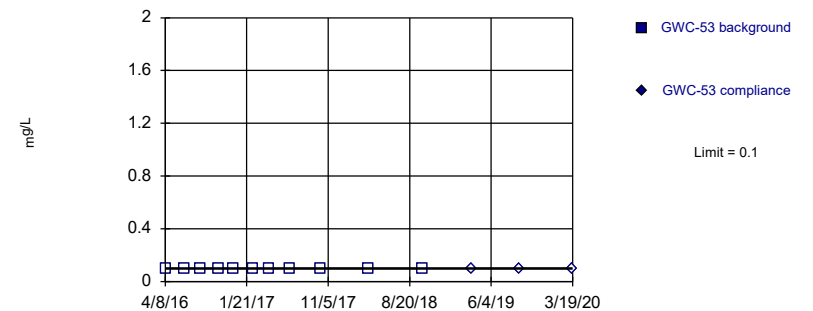


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

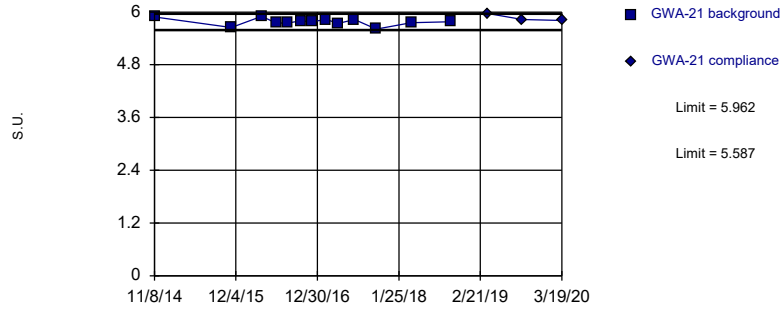


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

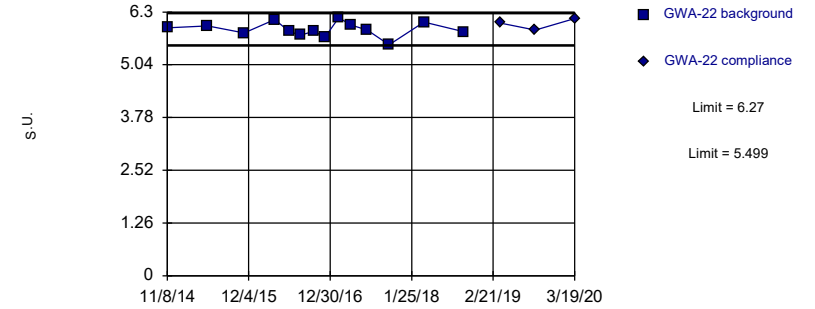


Background Data Summary: Mean=5.775, Std. Dev.=0.08222, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

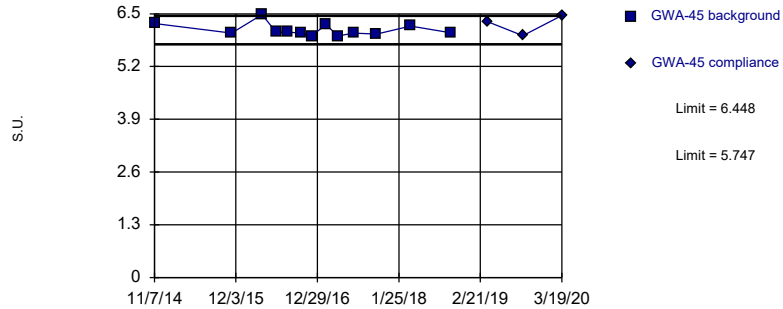


Background Data Summary: Mean=5.884, Std. Dev.=0.1725, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9782, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

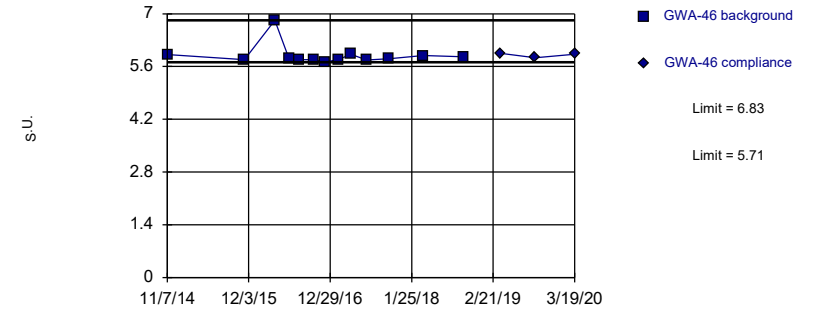


Background Data Summary: Mean=6.098, Std. Dev.=0.1537, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8145, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

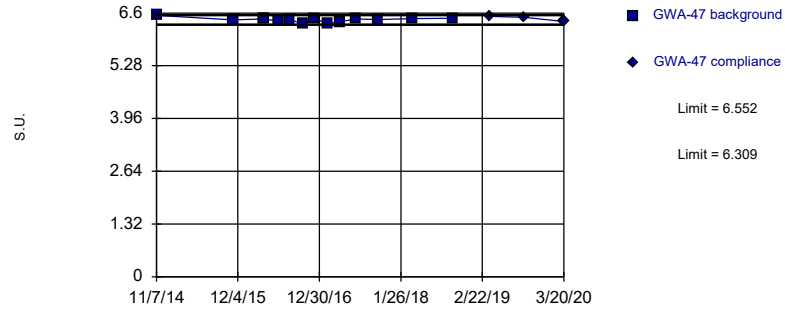


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 13 background values. Well-constituent pair annual alpha = 0.03858. Individual comparison alpha = 0.01938 (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

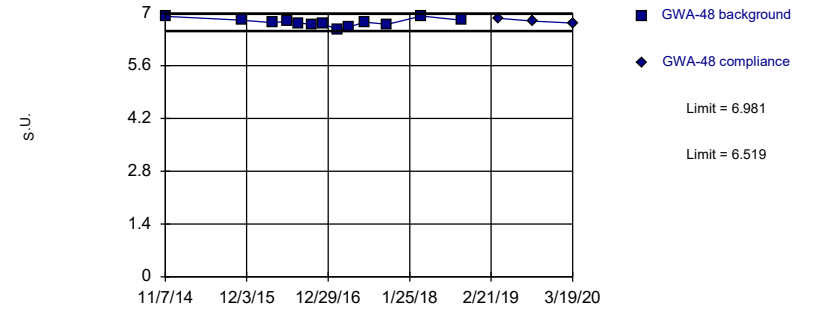


Background Data Summary: Mean=6.431, Std. Dev.=0.05427, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9237, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

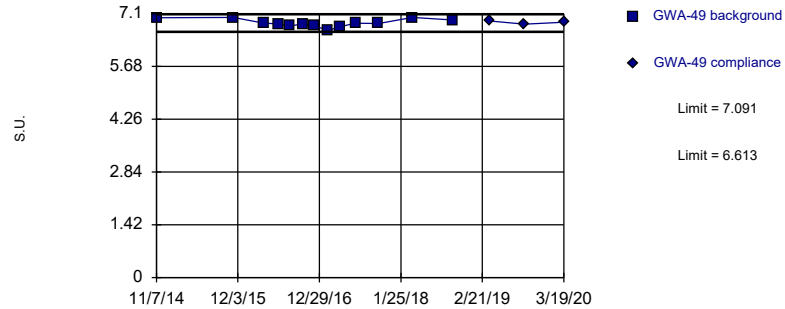


Background Data Summary: Mean=6.75, Std. Dev.=0.1012, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

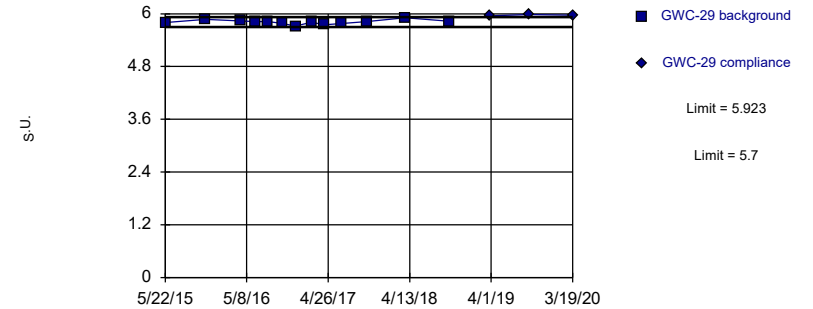


Background Data Summary: Mean=6.852, Std. Dev.=0.1048, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

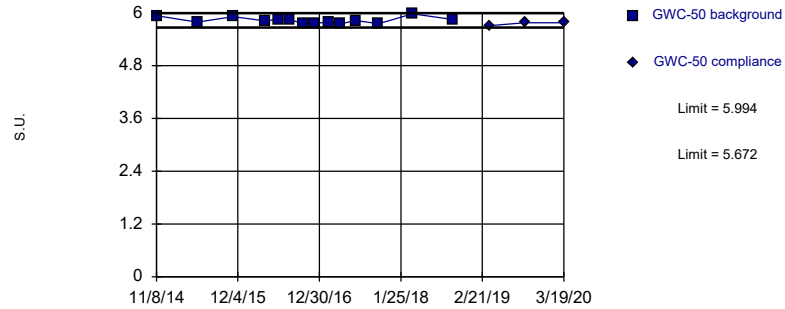


Background Data Summary: Mean=5.812, Std. Dev.=0.04896, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

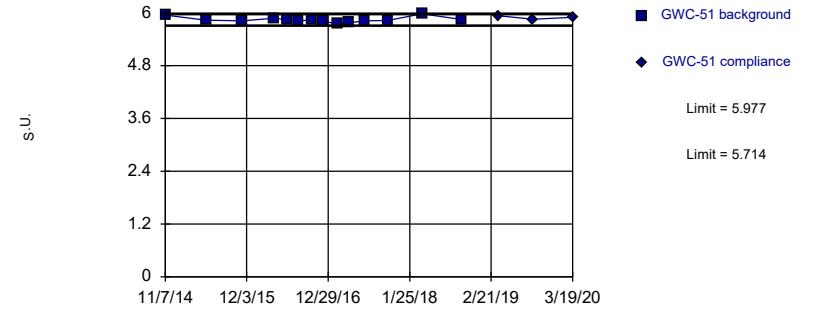


Background Data Summary: Mean=5.833, Std. Dev.=0.07205, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9069, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

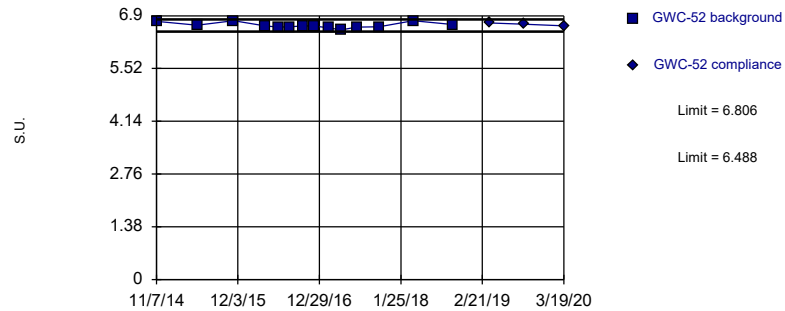


Background Data Summary: Mean=5.846, Std. Dev.=0.0588, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

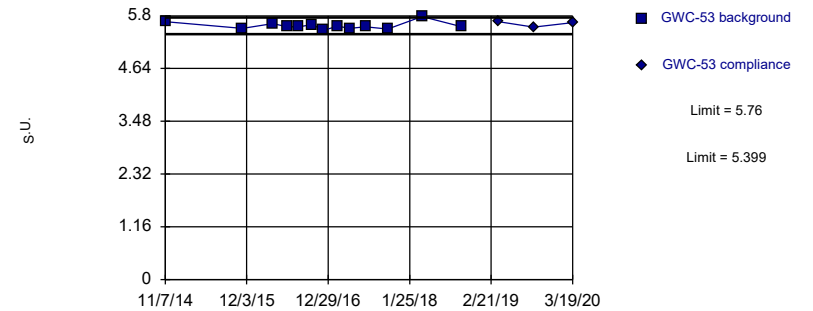


Background Data Summary: Mean=6.647, Std. Dev.=0.07119, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8936, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

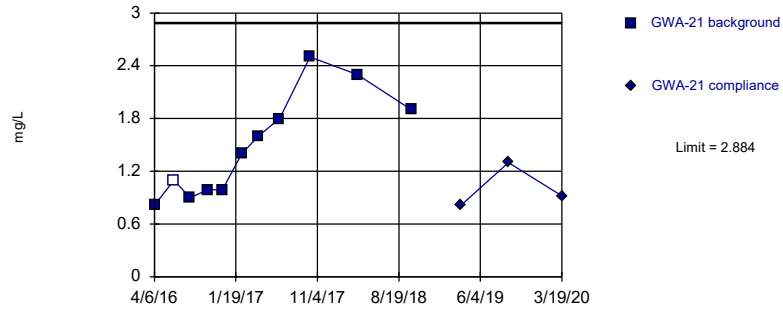


Background Data Summary: Mean=5.579, Std. Dev.=0.07921, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.877, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

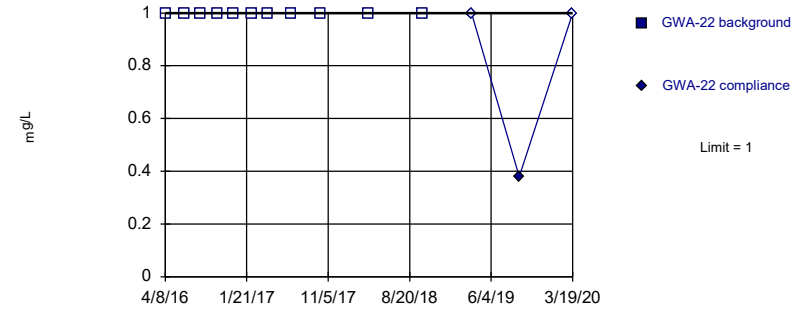


Background Data Summary: Mean=1.481, Std. Dev.=0.5847, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

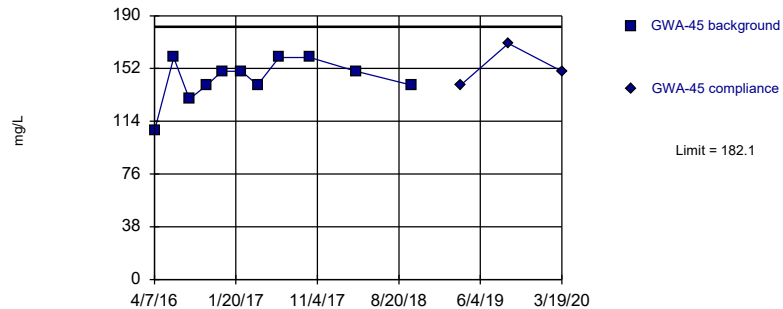


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

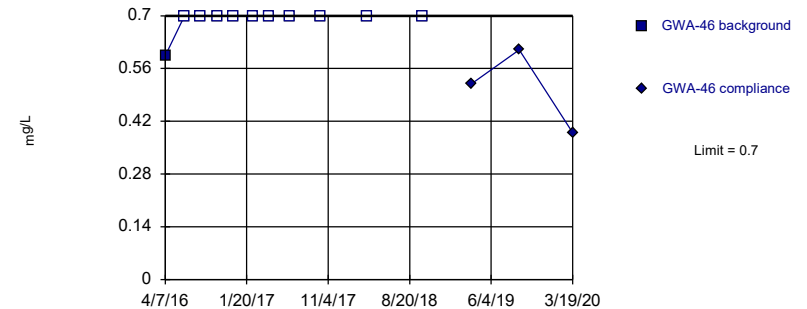


Background Data Summary: Mean=144.3, Std. Dev.=15.75, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

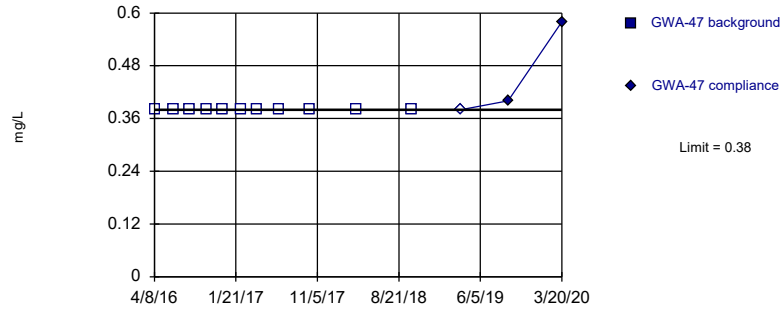


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

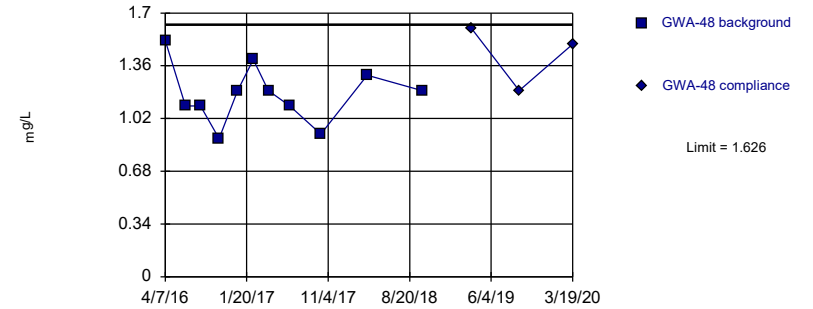


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

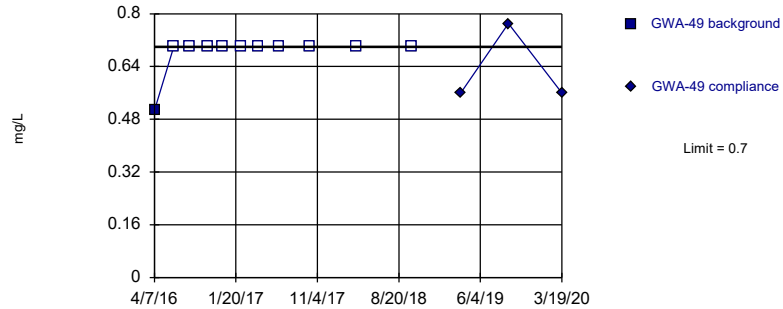


Background Data Summary: Mean=1.176, Std. Dev.=0.1875, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

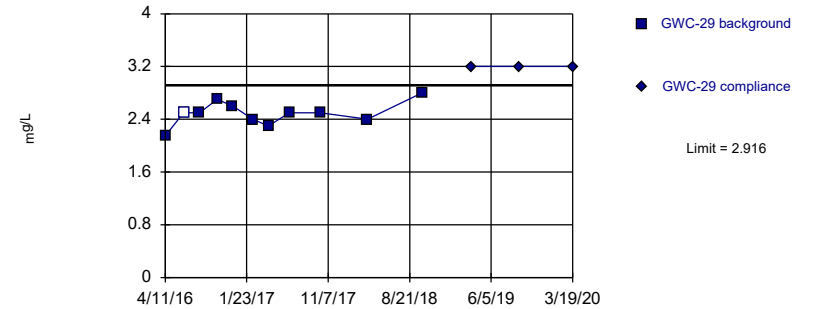


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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



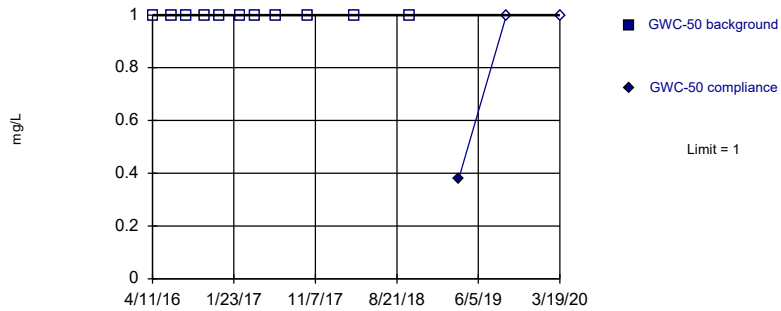
Background Data Summary: Mean=2.486, Std. Dev.=0.179, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9652, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

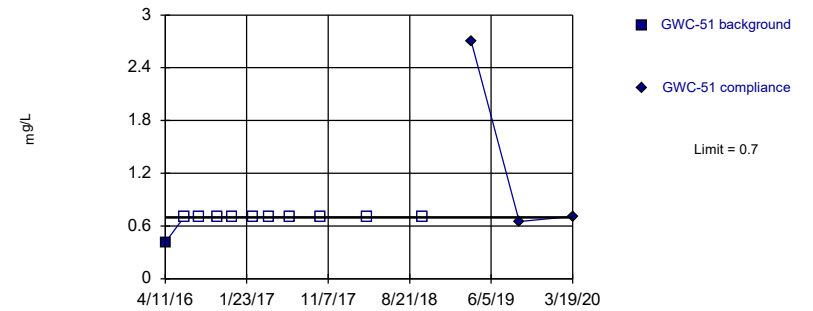


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

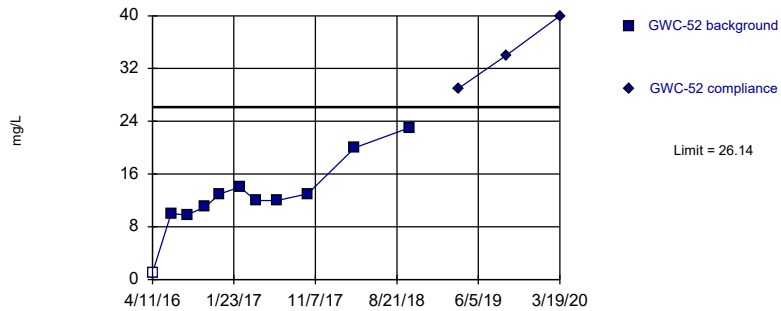


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

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

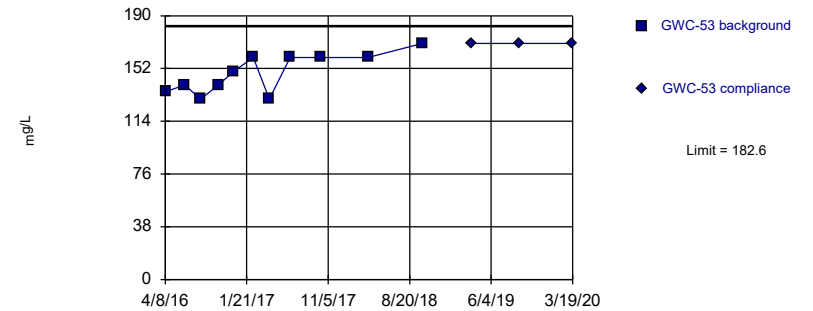


Background Data Summary: Mean=12.62, Std. Dev.=5.636, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

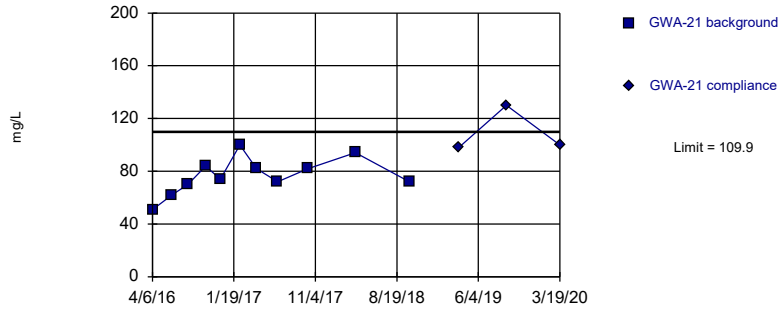
Prediction Limit  
Intrawell Parametric



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

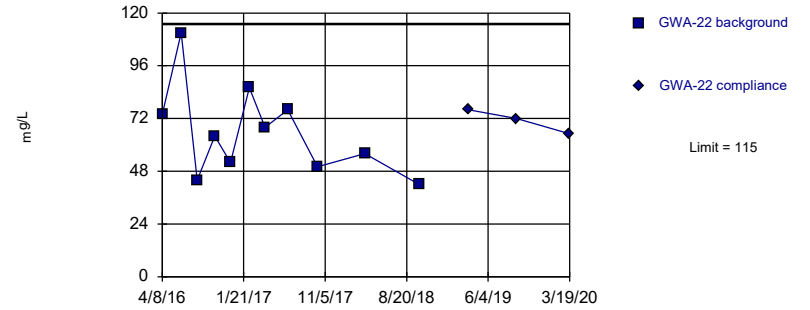
Within Limit Prediction Limit  
Intrawell Parametric



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

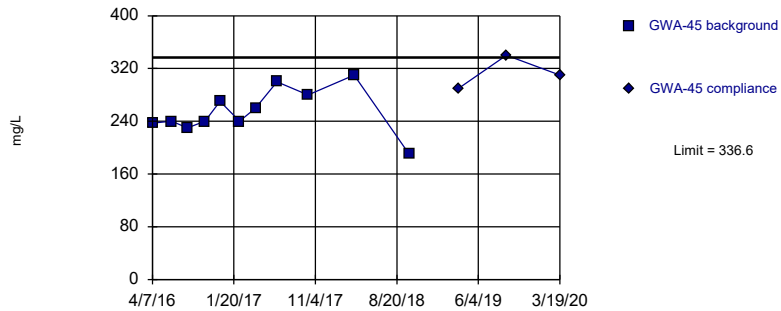
Within Limit Prediction Limit  
Intrawell Parametric



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

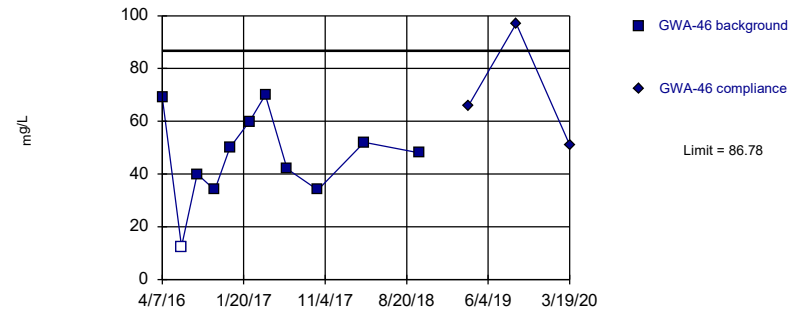
Within Limit Prediction Limit  
Intrawell Parametric



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

Within Limit Prediction Limit  
Intrawell Parametric

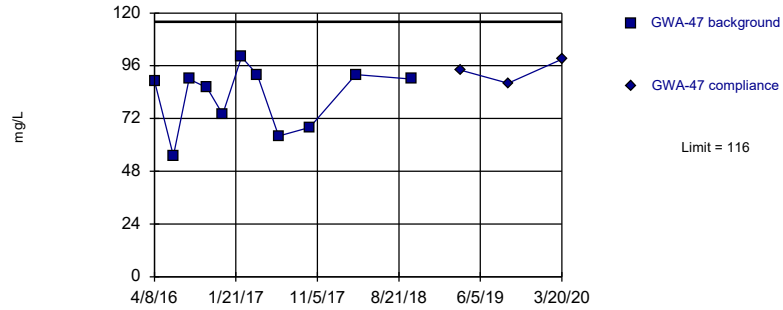


Background Data Summary: Mean=46.5, Std. Dev.=16.78, n=11, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9584, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

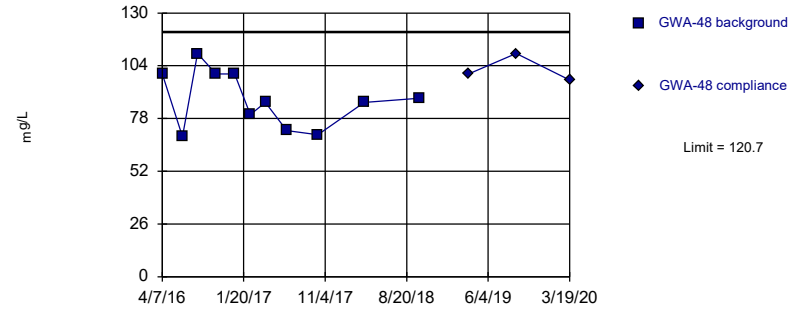


Background Data Summary: Mean=81.82, Std. Dev.=14.25, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

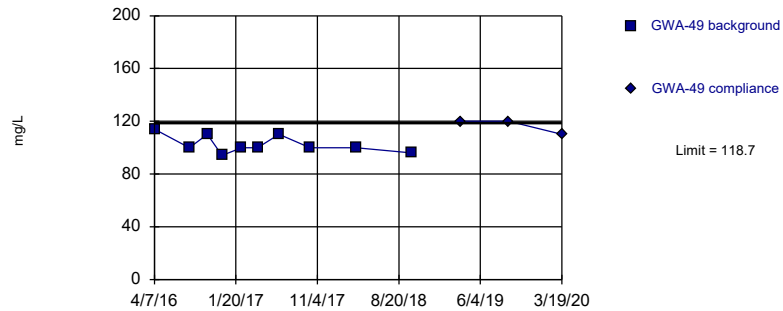


Background Data Summary: Mean=87.36, Std. Dev.=13.87, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.792. Kappa = 2.4 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

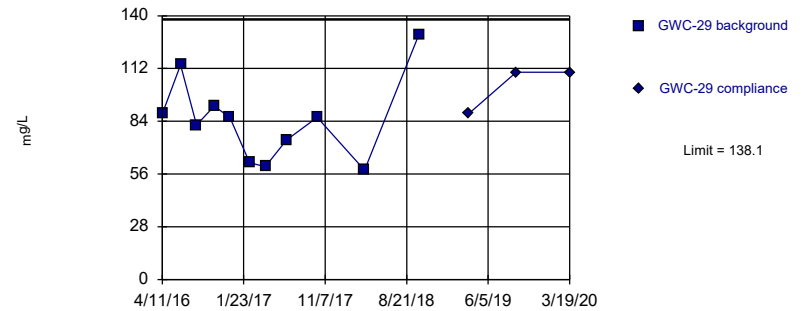


Background Data Summary: Mean=102.4, Std. Dev.=6.586, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8509, critical = 0.781. Kappa = 2.478 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

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

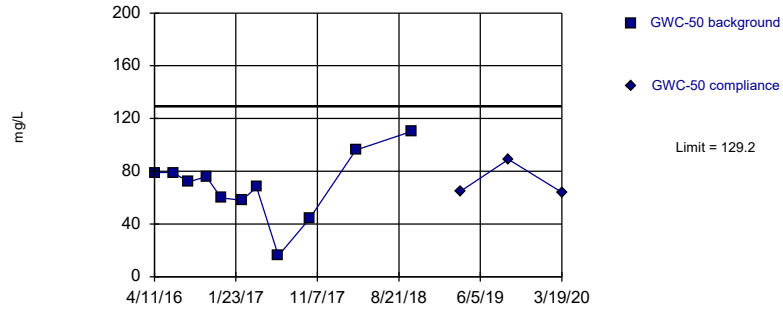
Prediction Limit  
Intrawell Parametric



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

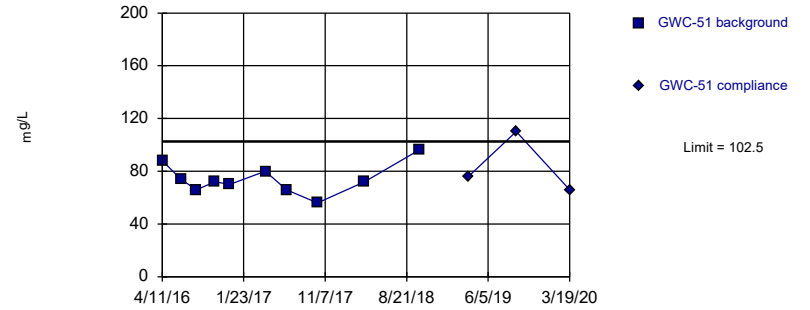
Within Limit Prediction Limit  
Intrawell Parametric



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

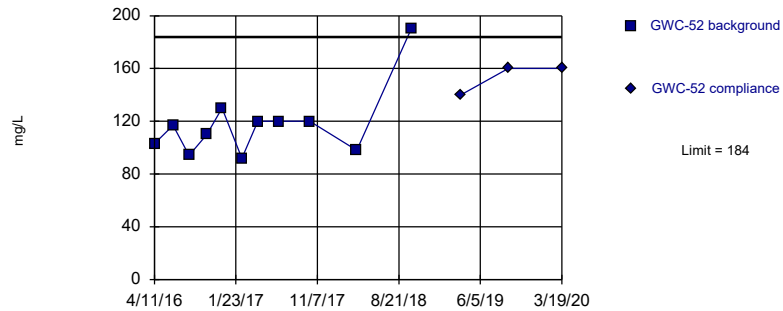
Within Limit Prediction Limit  
Intrawell Parametric



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

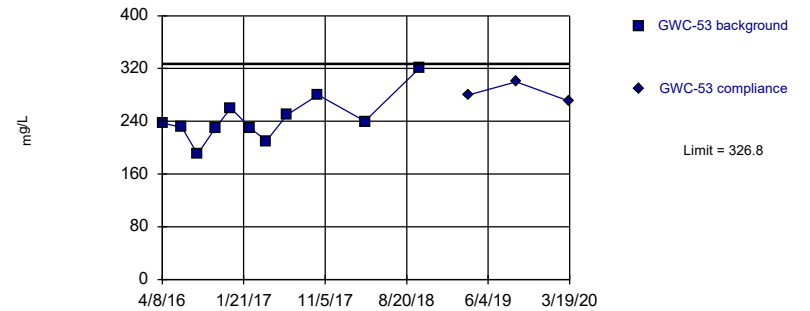
Within Limit Prediction Limit  
Intrawell Parametric



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

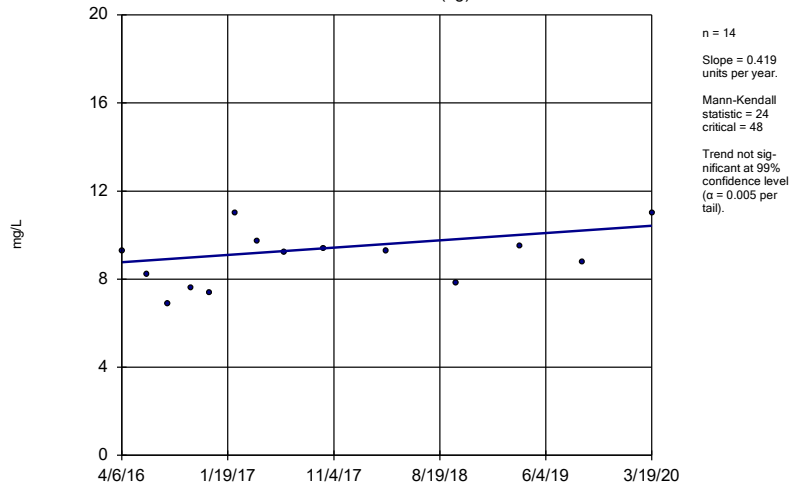
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	0.866	58	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.364	58	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, 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

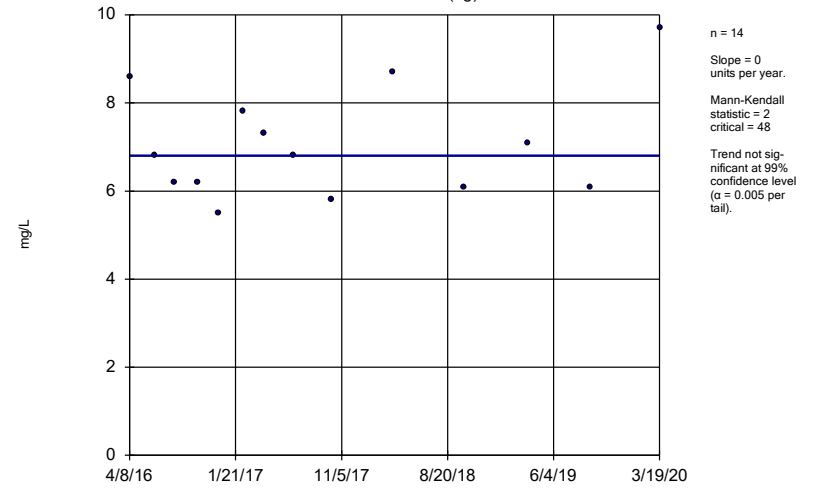
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.419	24	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0	2	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	2.439	43	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	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)



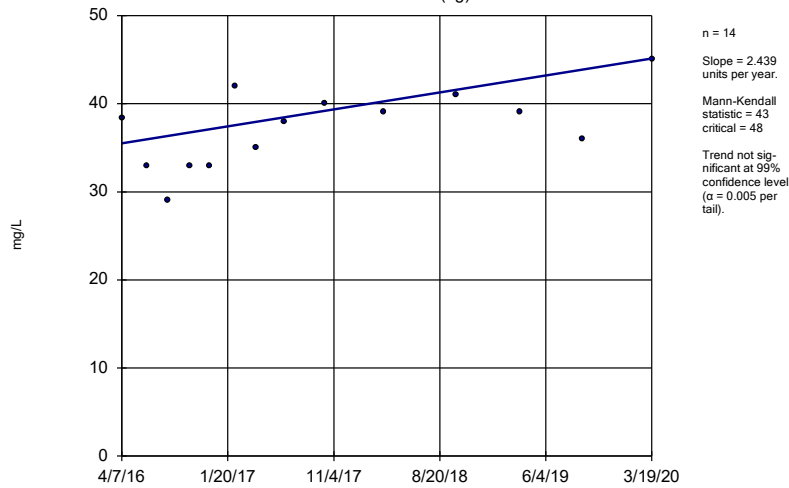
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



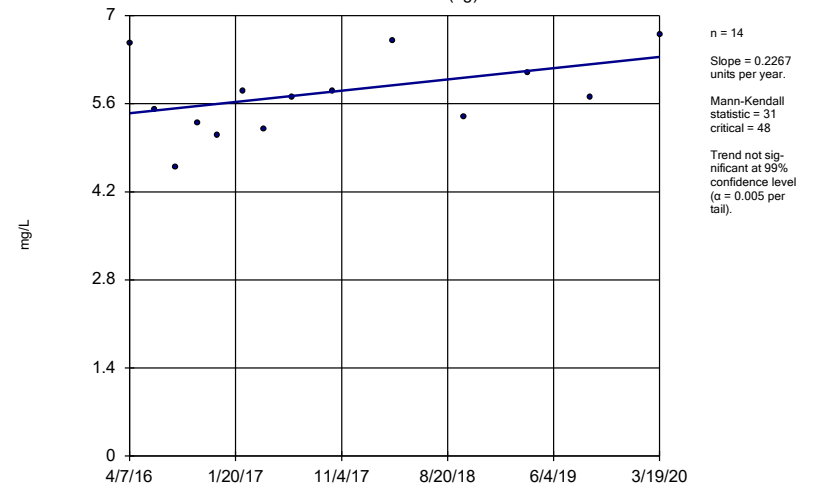
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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

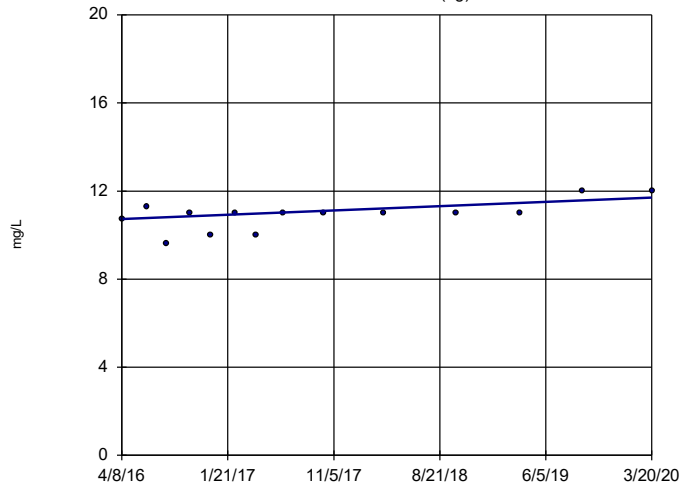
Sen's Slope Estimator  
GWA-46 (bg)



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)

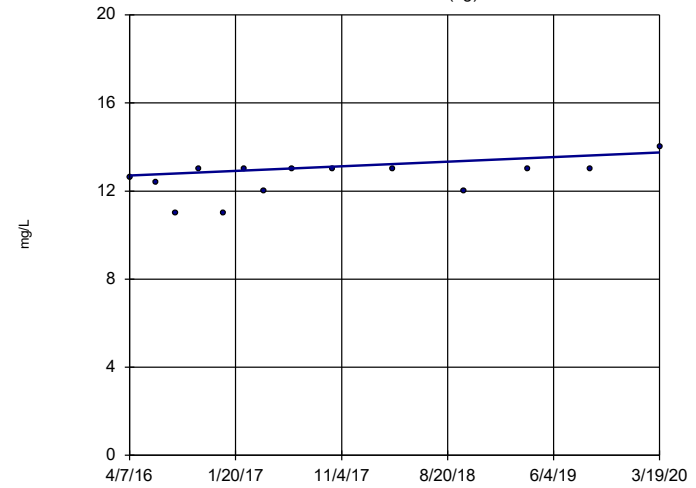


n = 14  
 Slope = 0.2489  
 units per year.  
 Mann-Kendall  
 statistic = 36  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

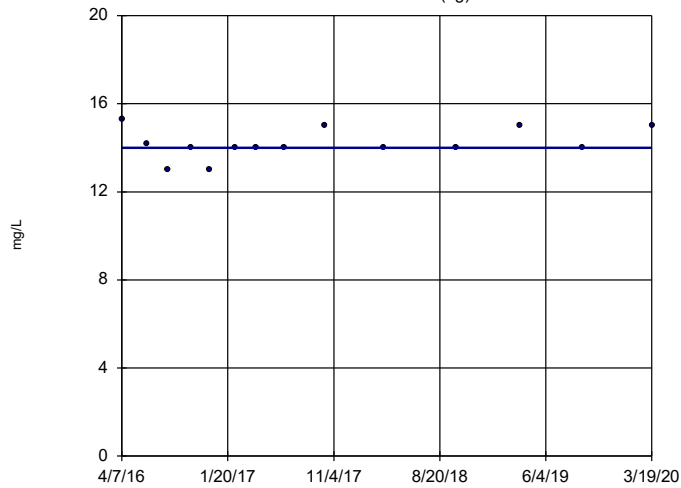


n = 14  
 Slope = 0.265  
 units per year.  
 Mann-Kendall  
 statistic = 34  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

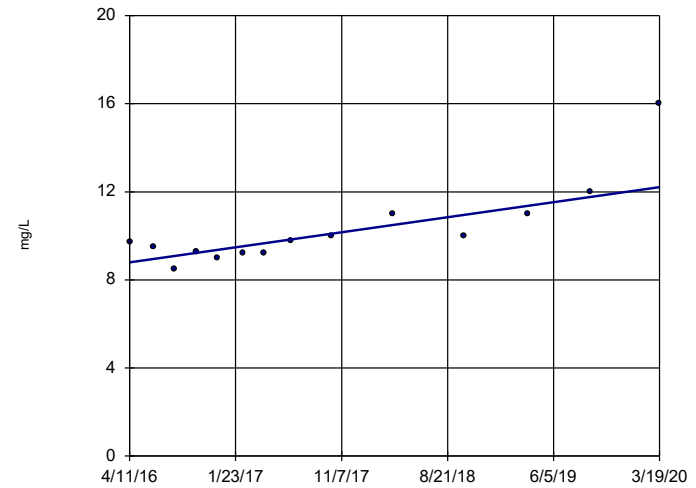


n = 14  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 12  
 critical = 48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

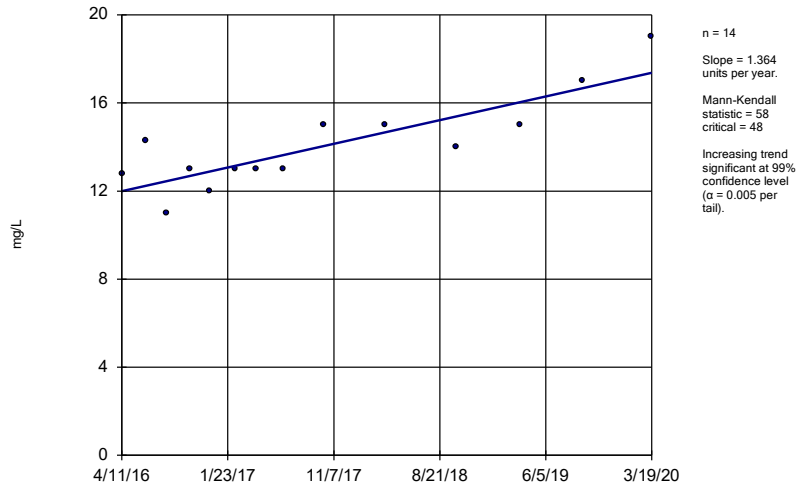
GWC-29



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).

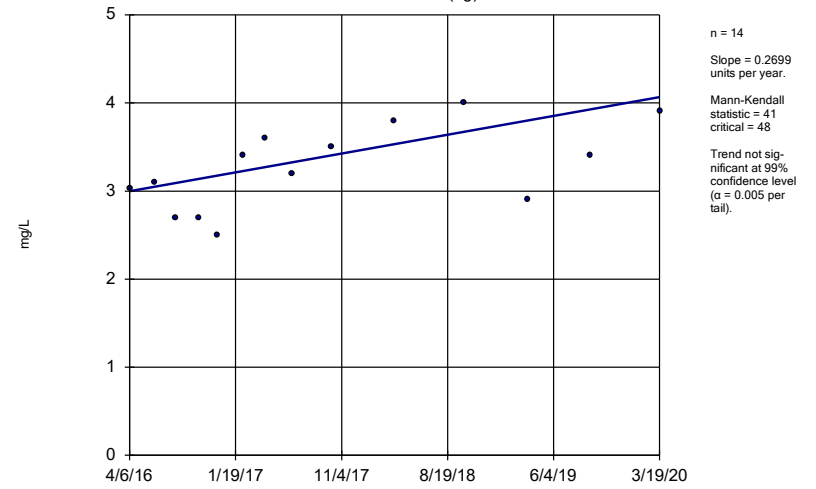
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-52



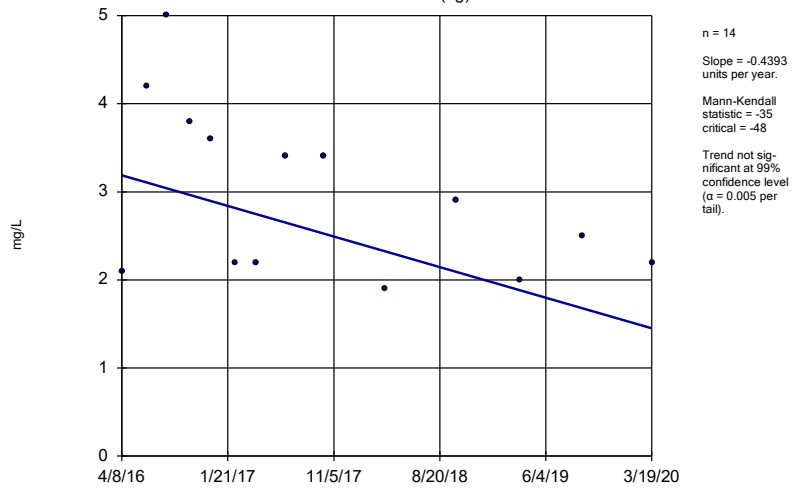
Constituent: Calcium, total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-21 (bg)



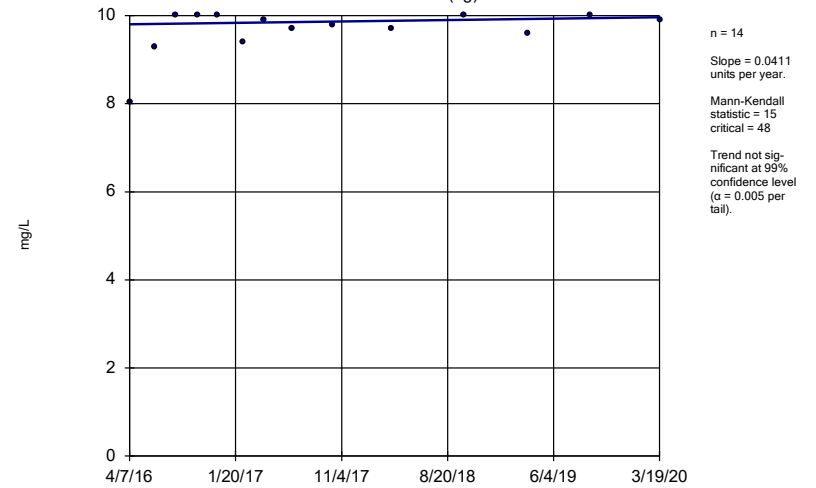
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-22 (bg)



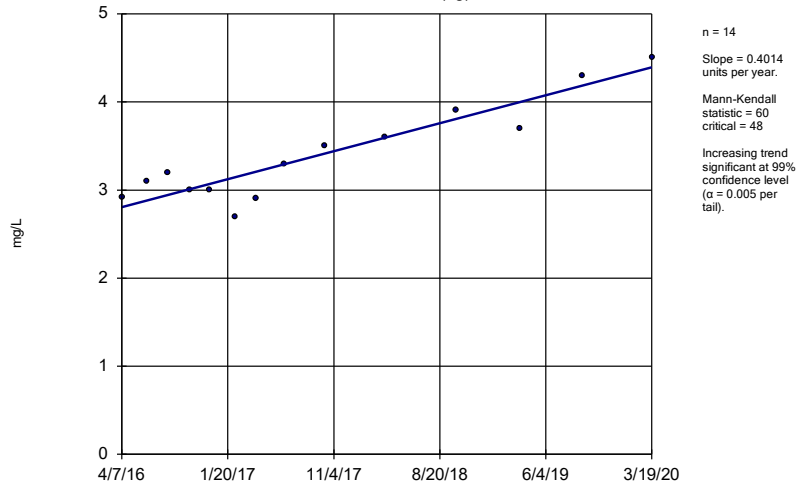
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-45 (bg)



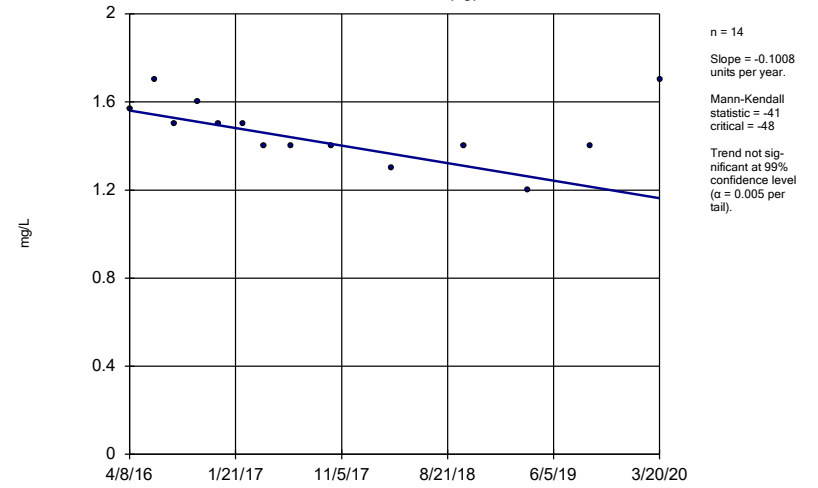
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-46 (bg)



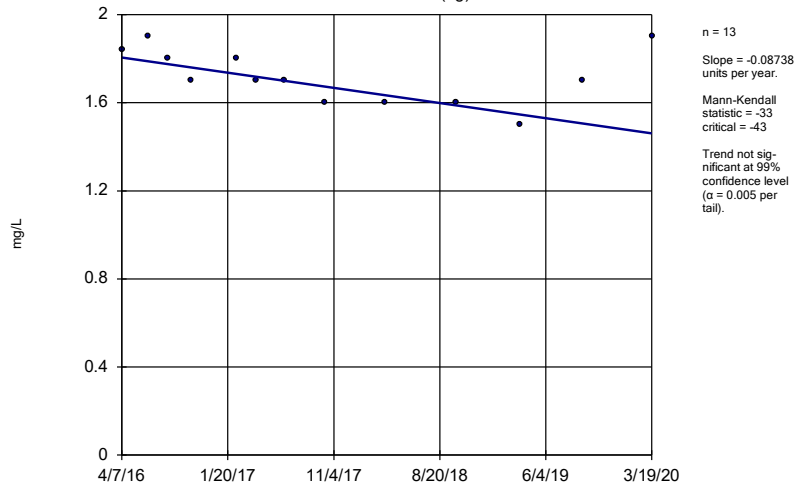
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-47 (bg)



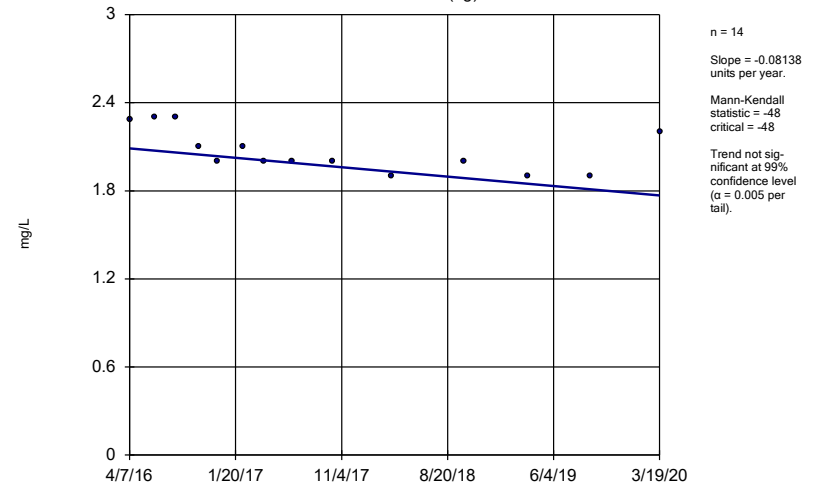
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-48 (bg)



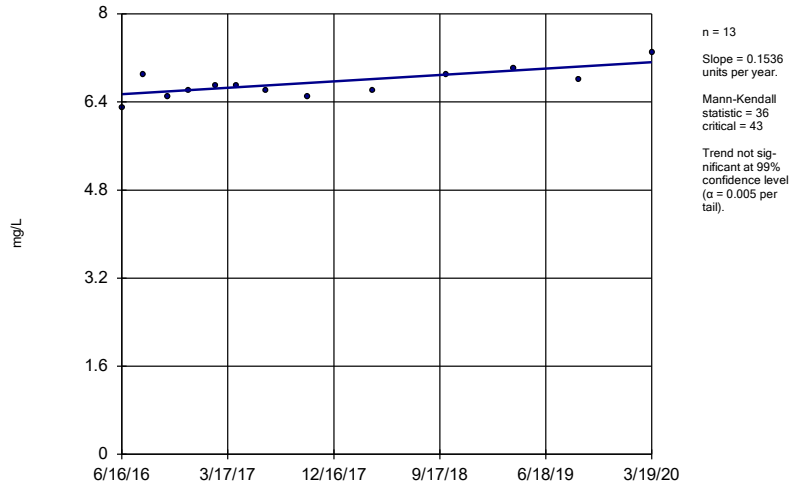
Constituent: Chloride, Total Analysis Run 6/19/2020 11:37 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWA-49 (bg)



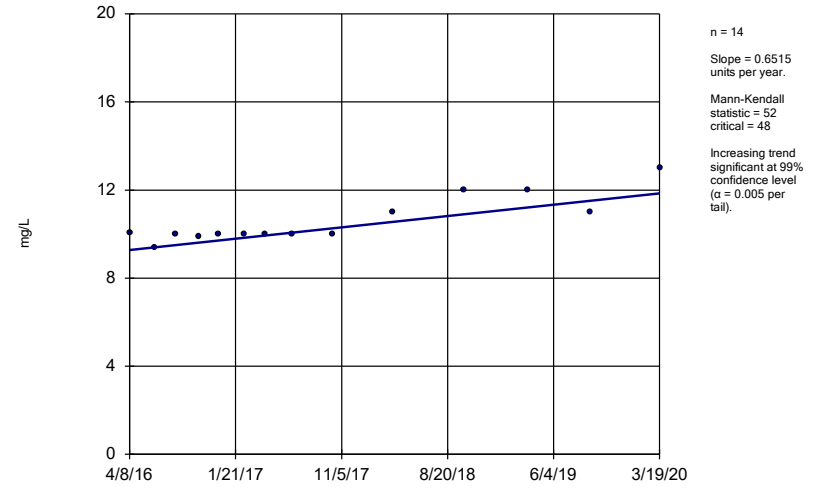
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-51



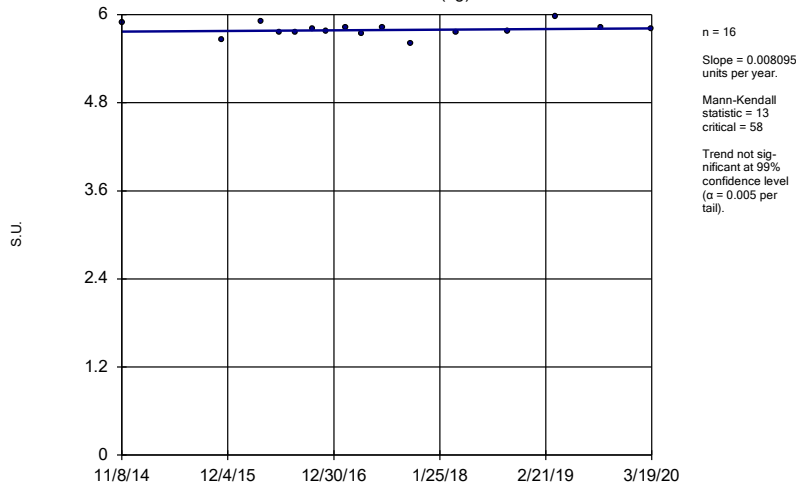
Constituent: Chloride, Total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator  
GWC-53



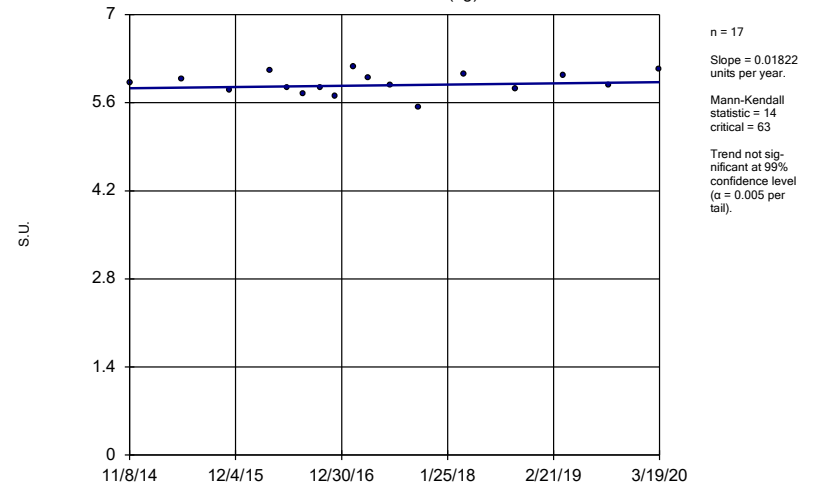
Constituent: Chloride, Total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

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)

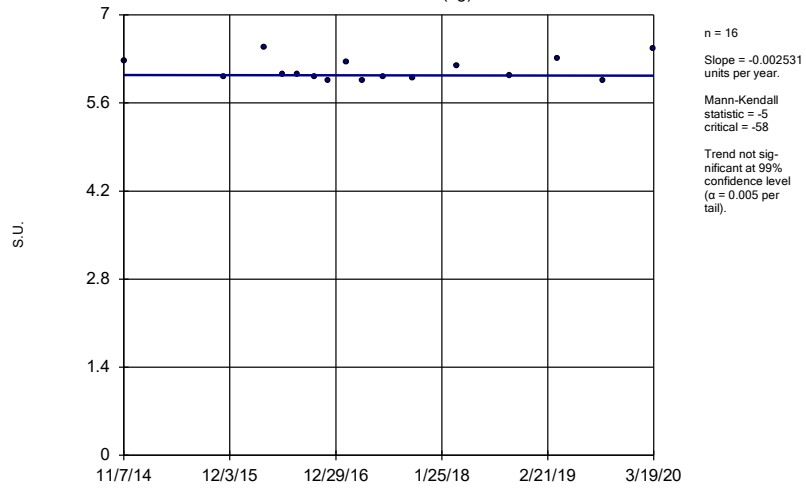


Constituent: pH Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR



### Sen's Slope Estimator

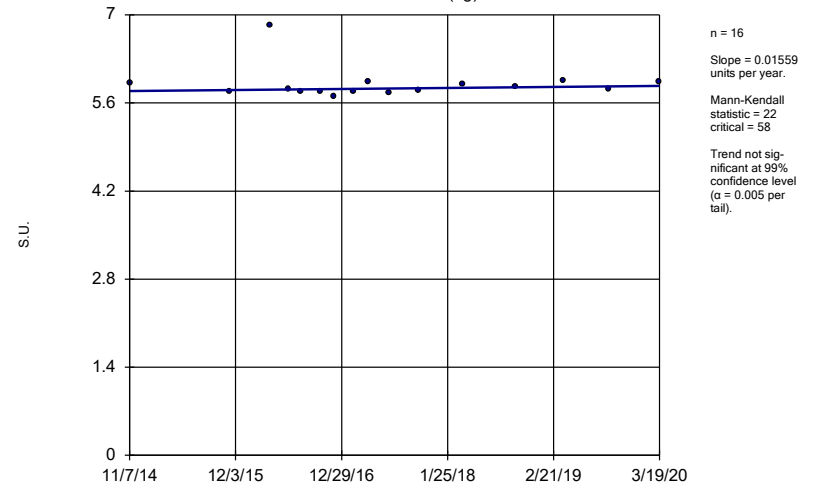
GWA-45 (bg)



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

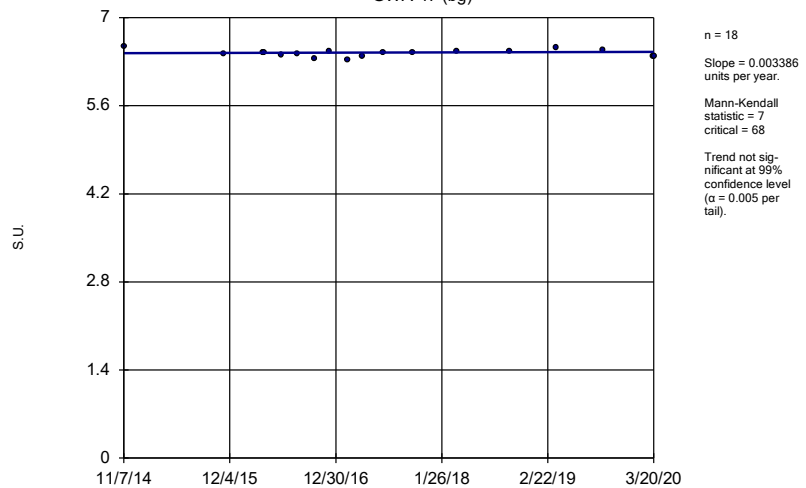
GWA-46 (bg)



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

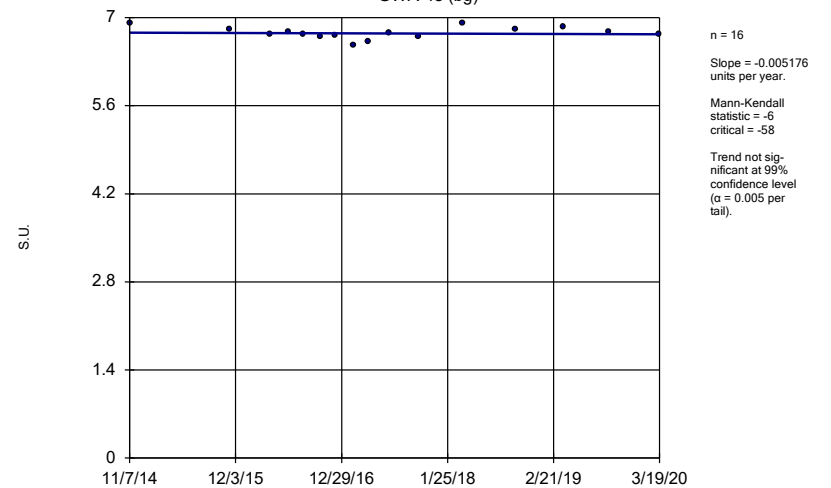
GWA-47 (bg)



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

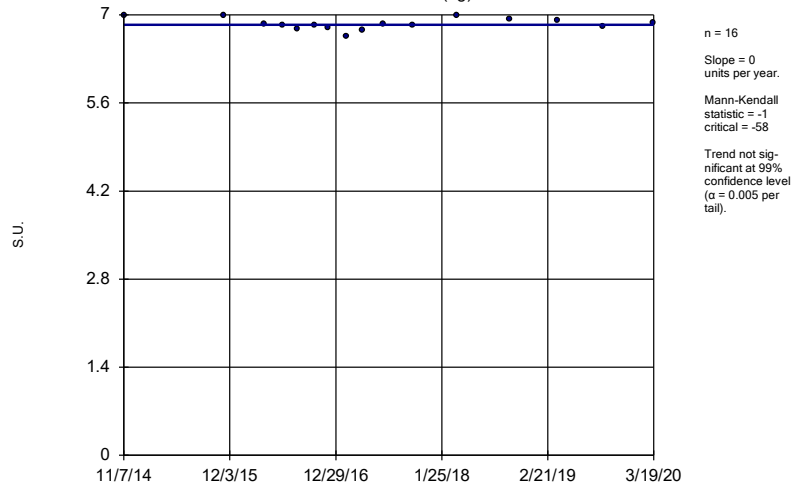
GWA-48 (bg)



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

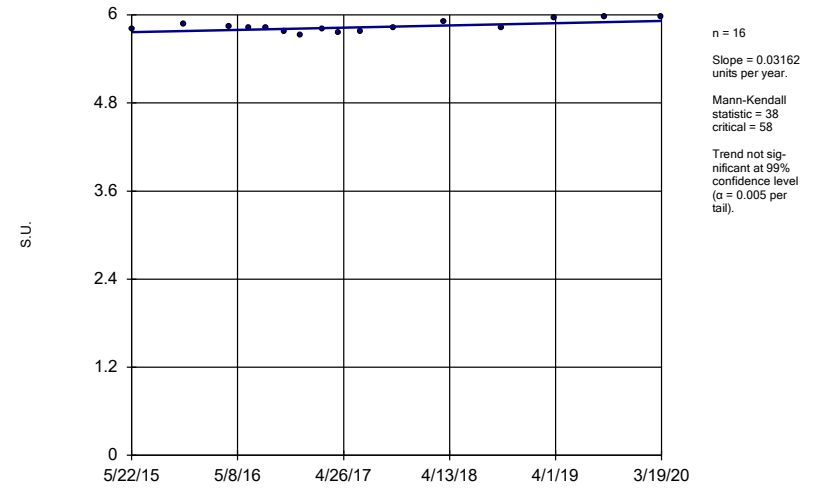
GWA-49 (bg)



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

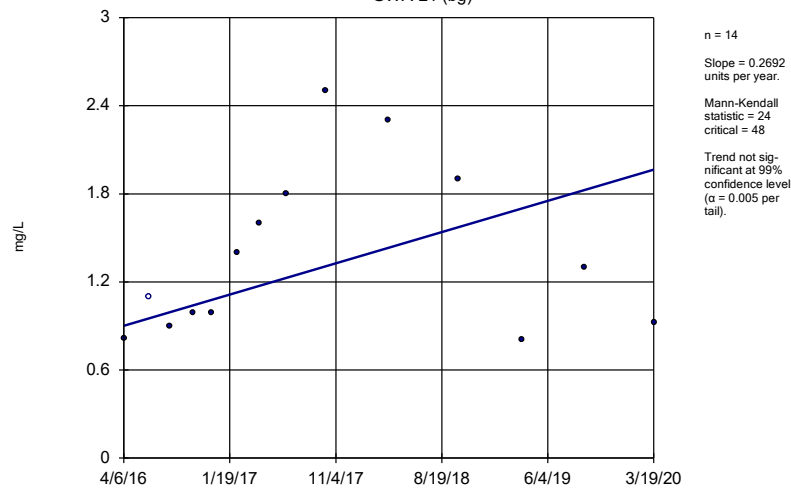
GWC-29



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

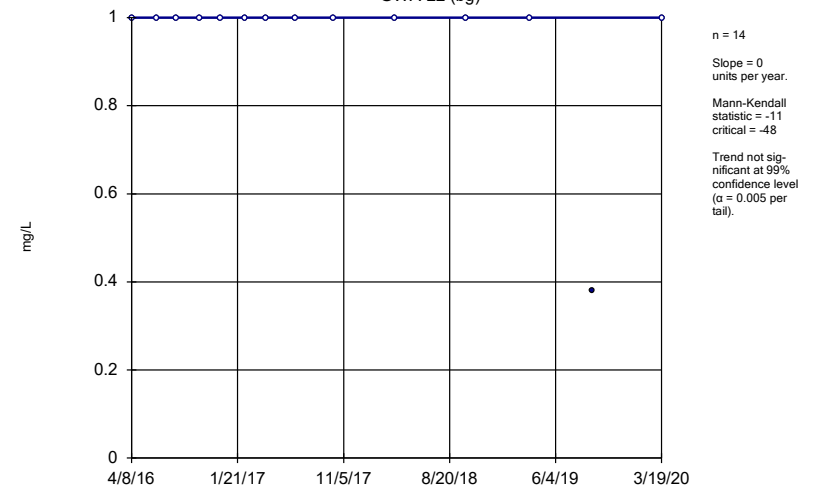
GWA-21 (bg)



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

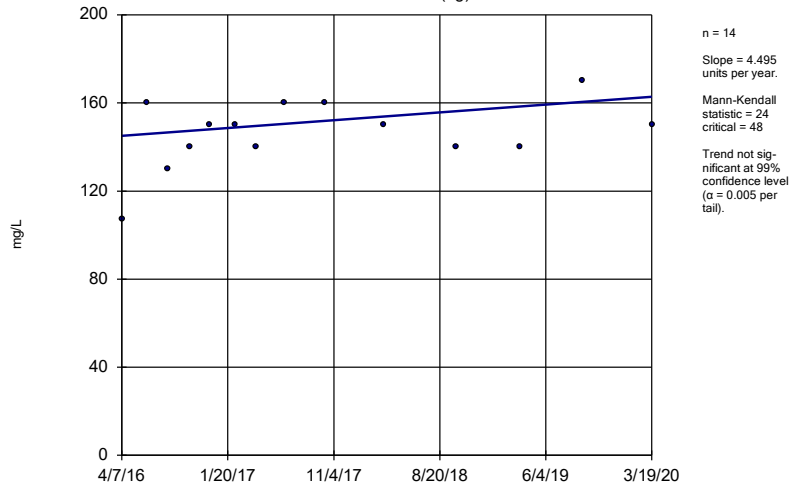
GWA-22 (bg)



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)

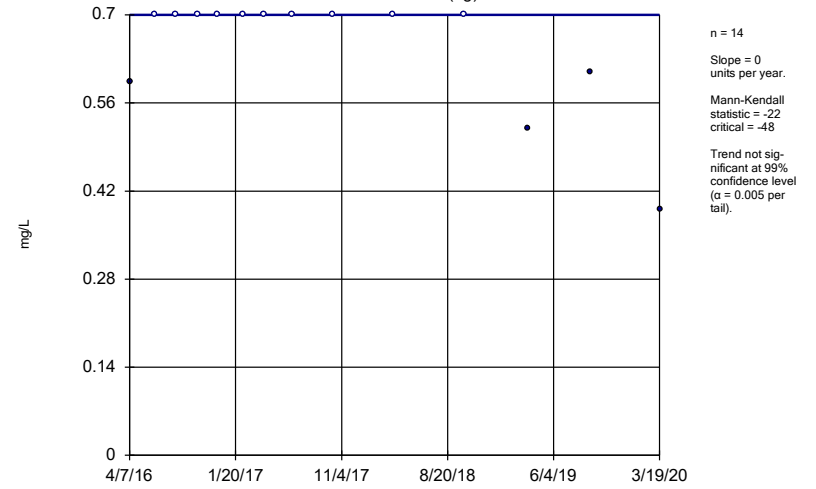


Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

### Sen's Slope Estimator

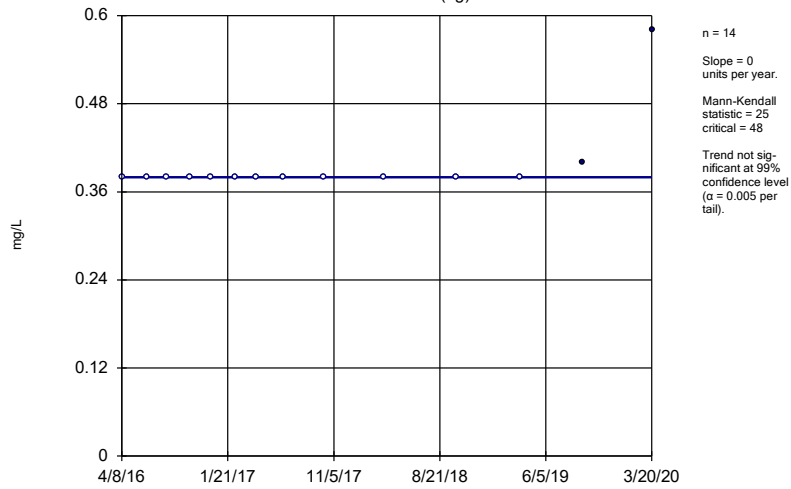
GWA-46 (bg)



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

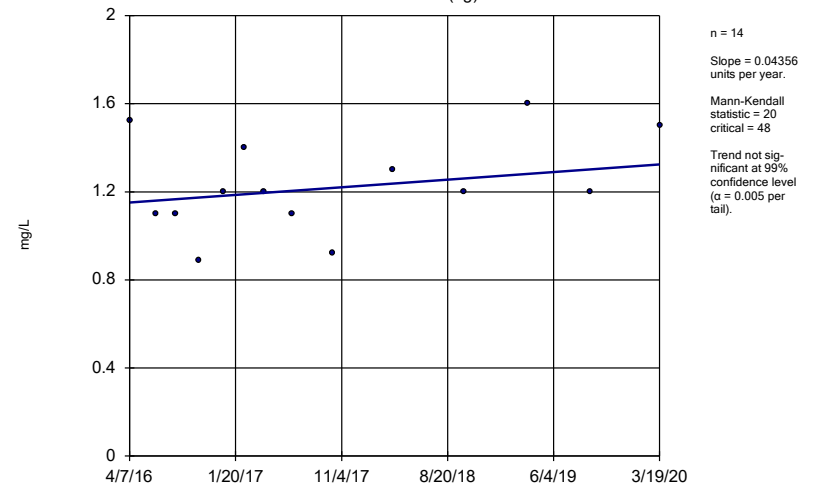
GWA-47 (bg)



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

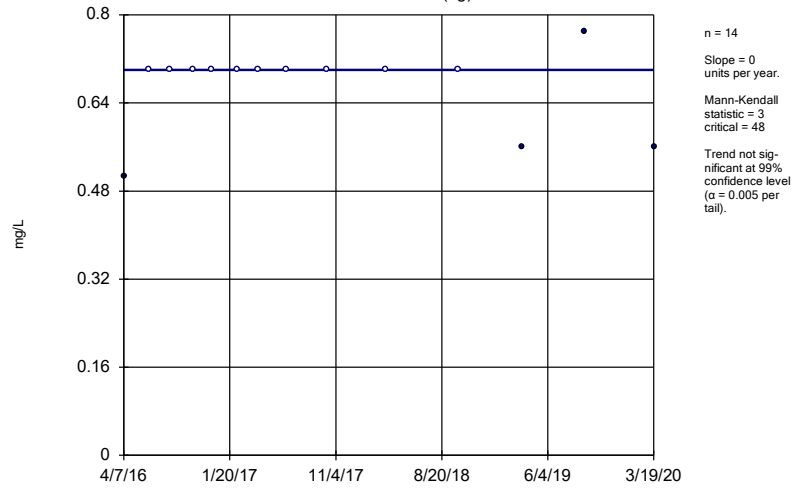
### Sen's Slope Estimator

GWA-48 (bg)



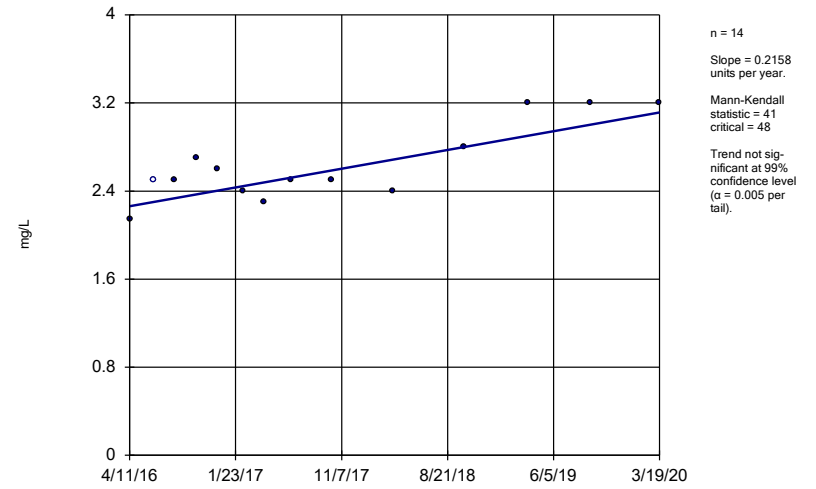
Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### Sen's Slope Estimator GWA-49 (bg)



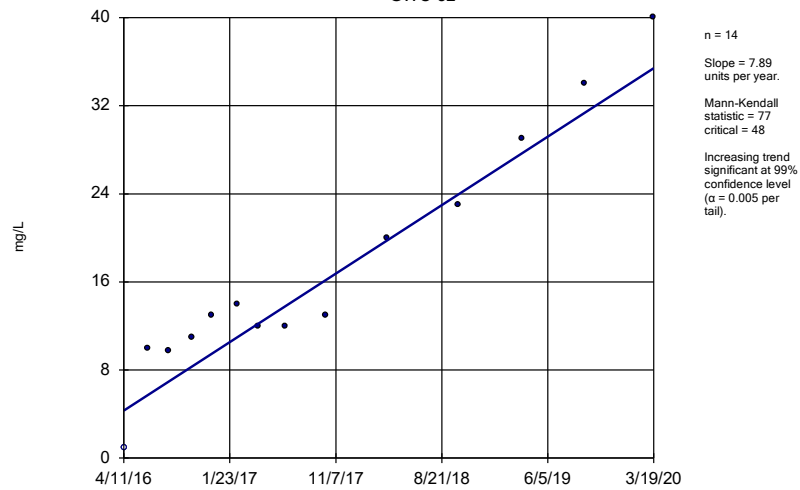
Constituent: Sulfate, total Analysis Run 6/19/2020 11:38 AM View: Appendix III - Trend Tests  
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

### 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 D**

# Alternate Source Demonstration



**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:

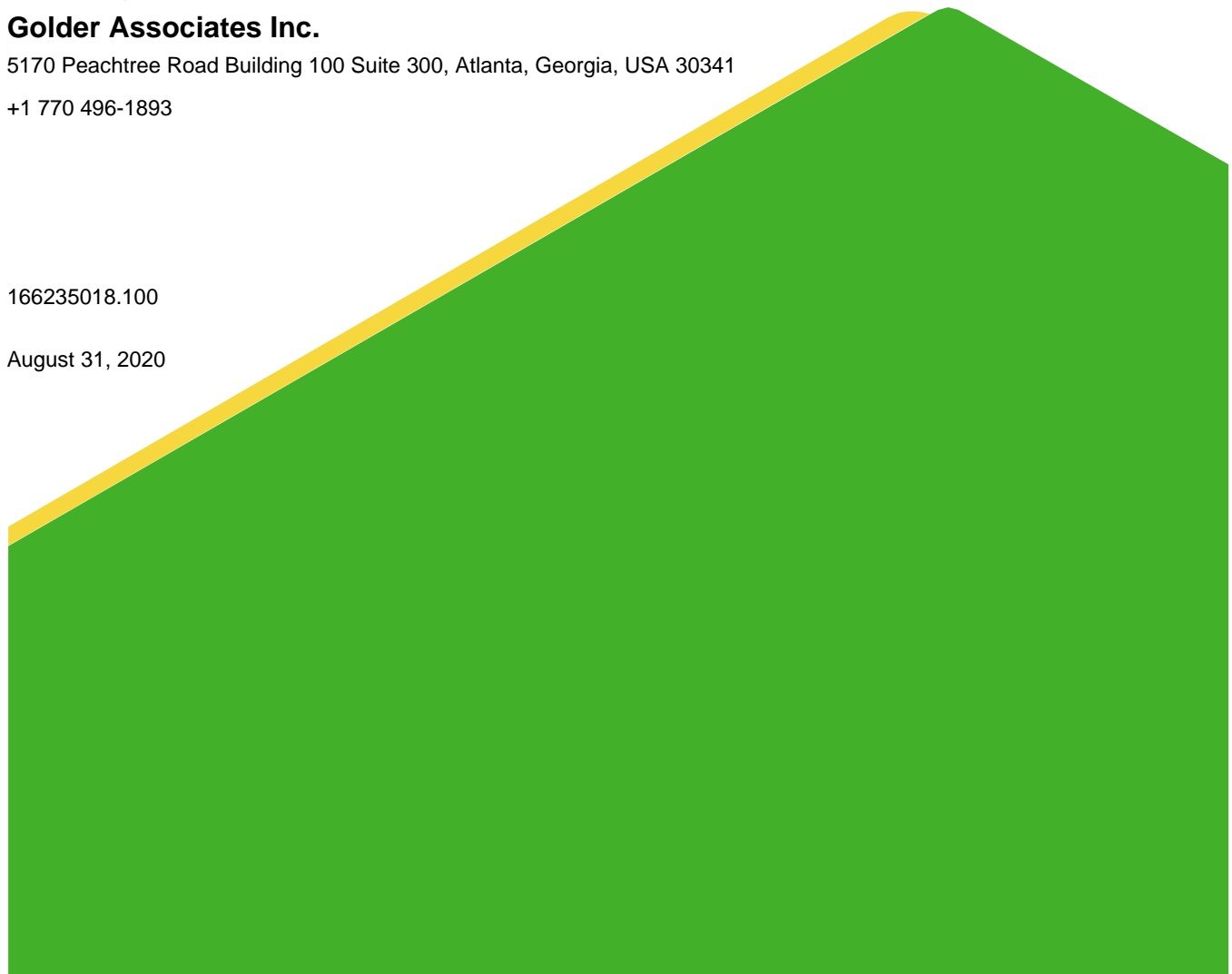
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166235018.100

August 31, 2020



# Table of Contents

<b>CERTIFICATION</b> .....	<b>1</b>
<b>1.0 INTRODUCTION</b> .....	<b>2</b>
<b>2.0 SITE DESCRIPTION</b> .....	<b>2</b>
<b>3.0 EVALUATION OF ANALYTICAL RESULTS &amp; STATISTICAL ANALYSES</b> .....	<b>2</b>
3.1 Statistical Analysis Method .....	3
3.2 Statistically Significant Increases.....	3
3.3 Verification Sampling .....	3
<b>4.0 ALTERNATE SOURCE DEMONSTRATION</b> .....	<b>5</b>
4.1 Upgradient Monitoring Wells (GWA-15, GWA-22, GWA-45).....	5
4.2 Barium (GWC-10, GWC-11, and GWC-13).....	5
4.3 Calcium (GWC-8A, GWC-12, and GWC-13).....	7
4.4 Chloride (GWC-12, GWC-19, GWC-51) .....	8
4.5 Cobalt (GWC-8A).....	9
4.6 pH (GWC-19) .....	10
4.7 Sulfate (GWC-12).....	11
<b>5.0 CONCLUSIONS</b> .....	<b>11</b>
<b>6.0 REFERENCES</b> .....	<b>12</b>

## 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 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.

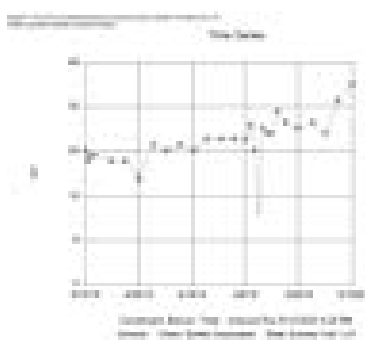


Figure 4.2.1: Barium GWC-10

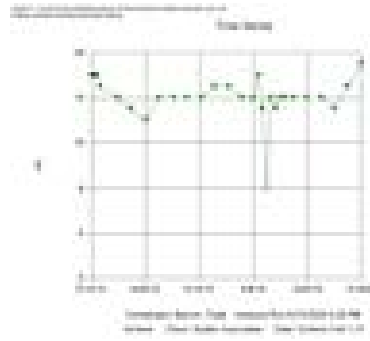


Figure 4.2.2: Barium GWC-11

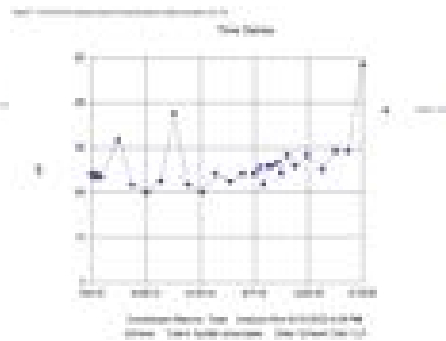


Figure 4.2.3: Barium GWC-13

StatSoft® v13.26 For the statistical analysis of ground water by Golden Associates, Inc. US  
 Redline symbols indicate censored values.

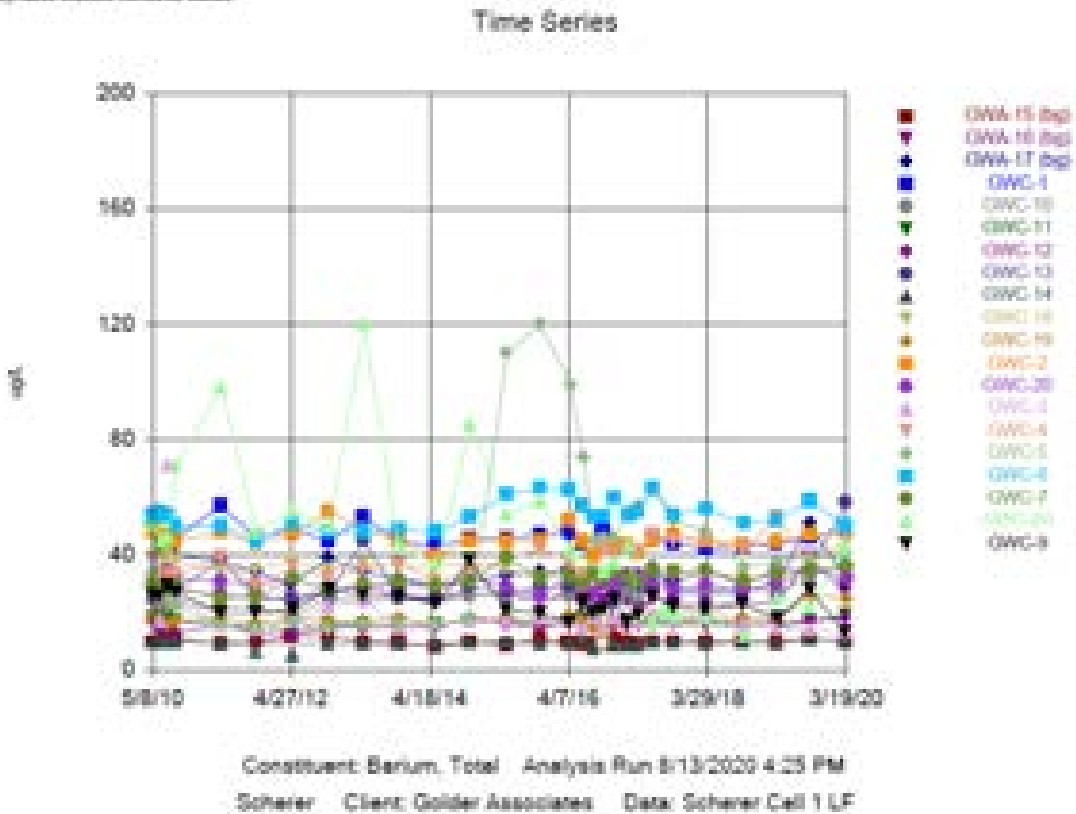


Figure 4.2.4: Site-Wide Barium

### 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.

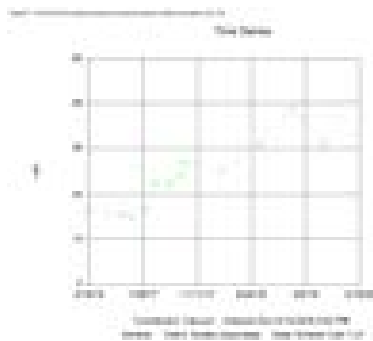


Figure 4.3.1: Calcium GWC-8A

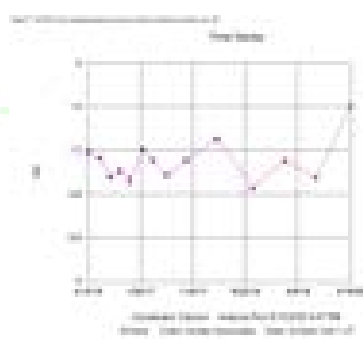


Figure 4.3.2: Calcium GWC-12

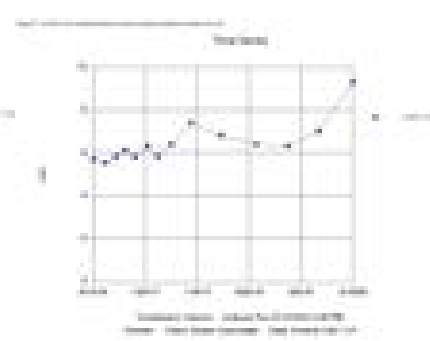


Figure 4.3.3: Calcium GWC-13

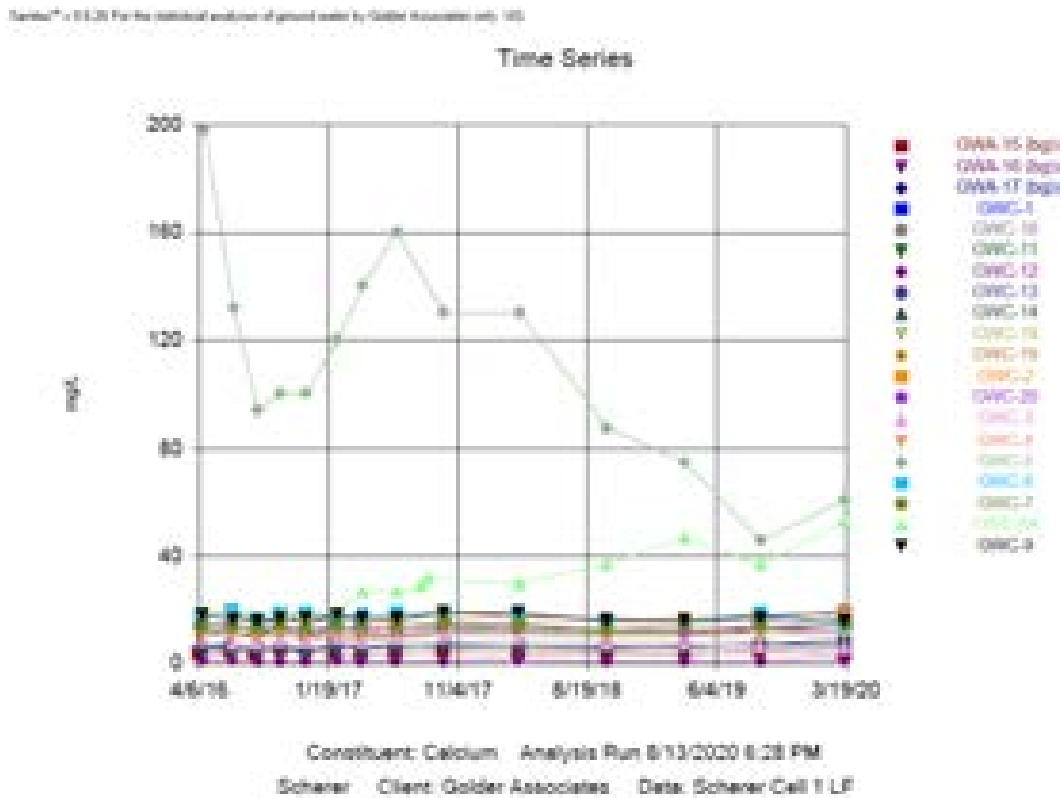


Figure 4.3.4: Site-Wide Calcium

#### 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.

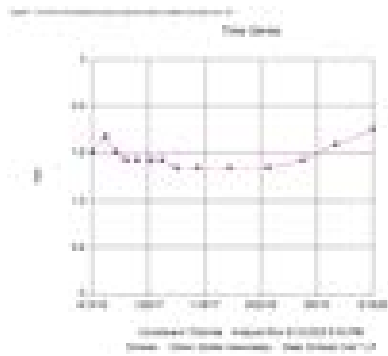


Figure 4.4.1: Chloride GWC-12

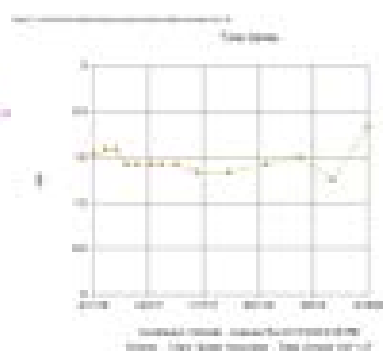


Figure 4.3.2: Chloride GWC-19

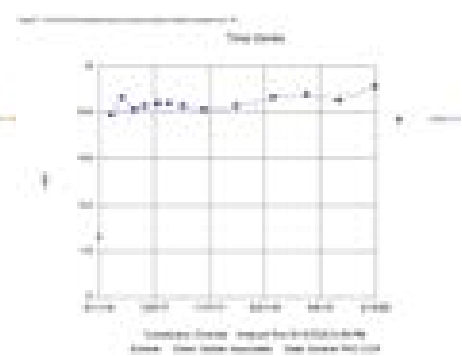


Figure 4.3.3: Chloride GWC-51

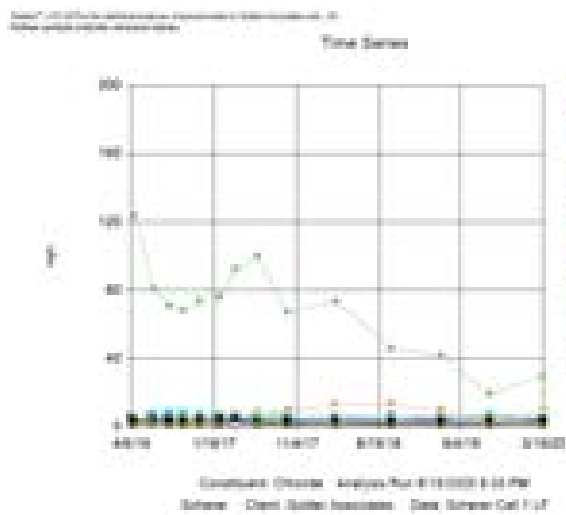


Figure 4.4.4: Chloride Cell 1 Site-Wide

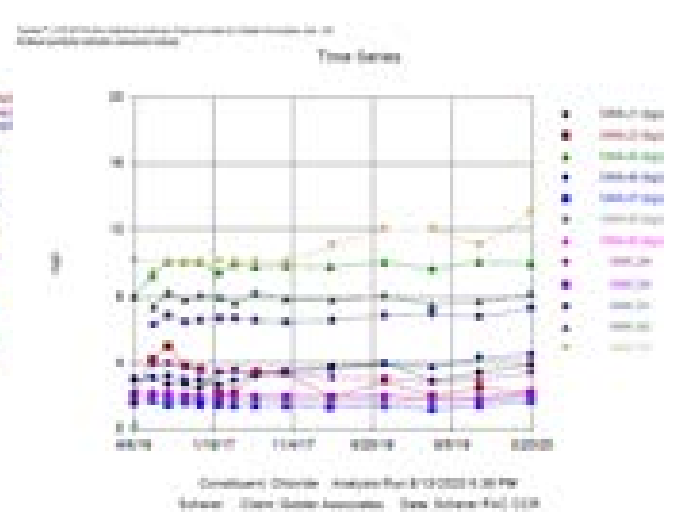


Figure 4.4.5: Chloride PAC Ash Site-Wide

## 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.



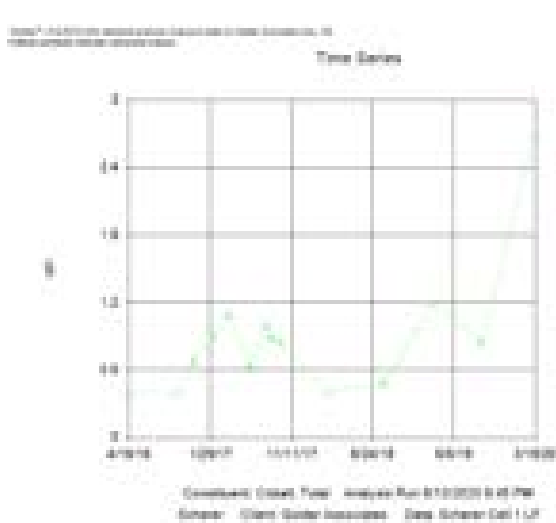


Figure 4.5.1: Cobalt GWC-8A

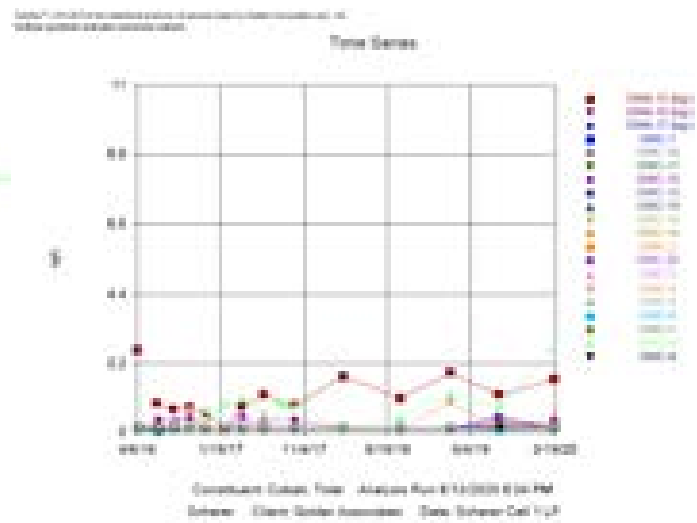


Figure 4.5.2: Cobalt Cell 1 Site-Wide

## 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.

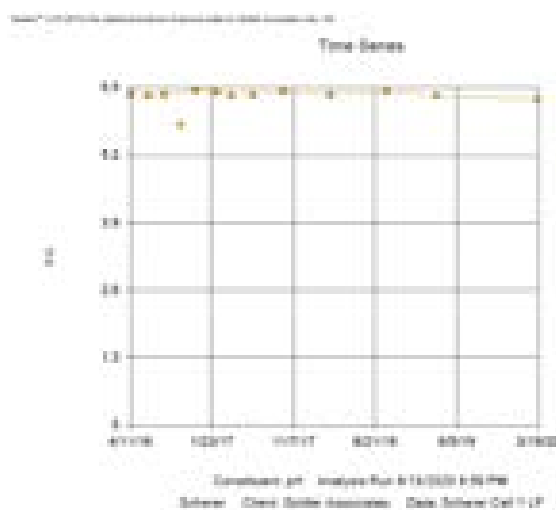


Figure 4.6.1: pH GWC-19

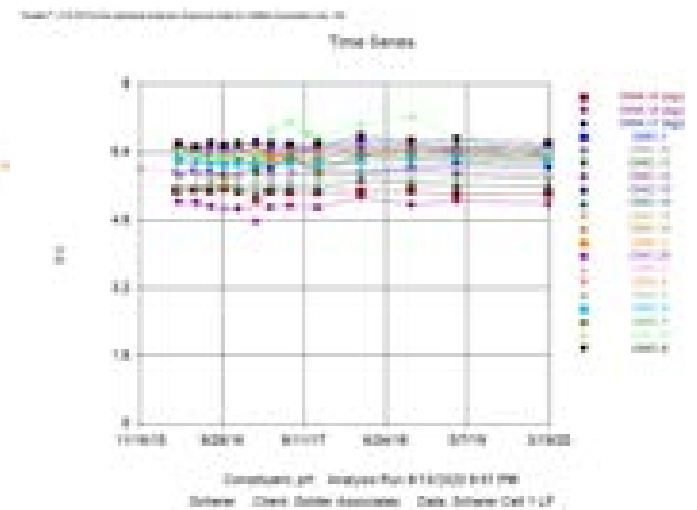


Figure 4.6.2: pH Cell 1 Site-Wide

## 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.

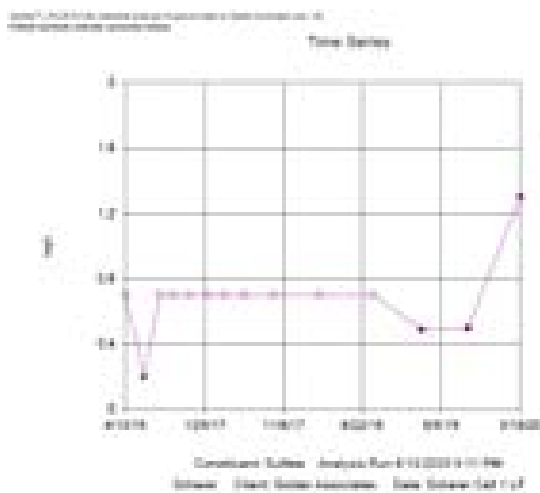


Figure 4.1.1: Sulfate GWC-12

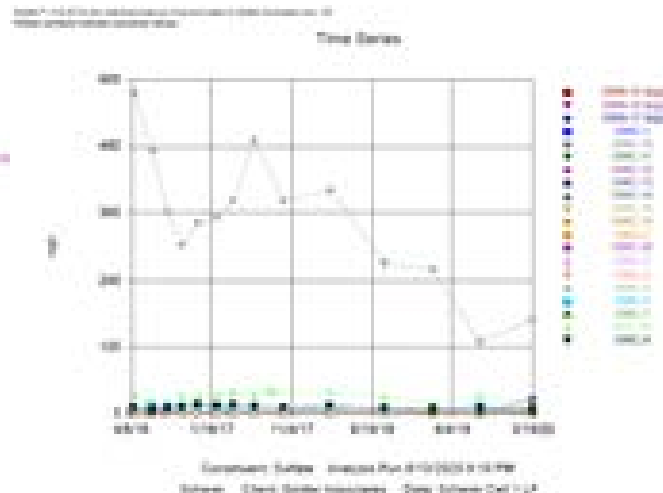


Figure 4.6.1: Sulfate Cell 1 Site-Wide

## 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.

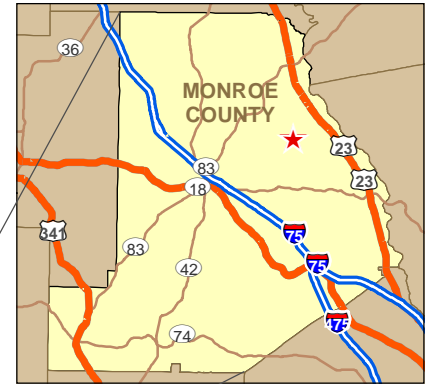
Golder, 2020. *2019 Second Semi-Annual Groundwater Monitoring & Corrective Action Report*, Golder Associates Inc., January 2020.

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



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 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*

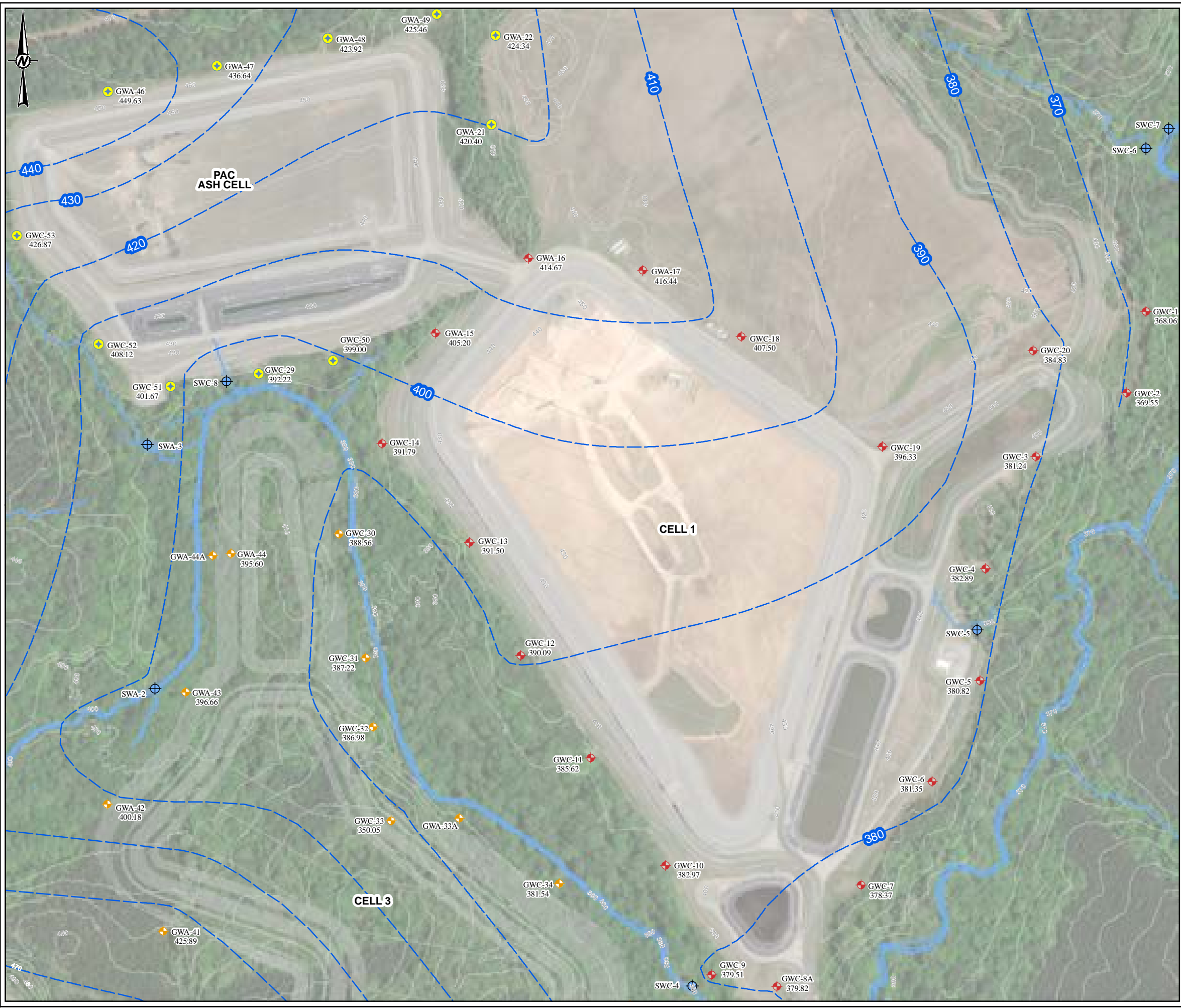
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**LEGEND**

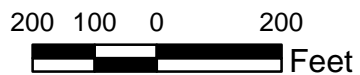
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- SURFACE WATER SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOUR (FAMSL)
- PROPERTY BOUNDARY

**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
<b>GOLDER</b>	PREPARED	DJC
	DESIGN	DLP
	REVIEW	DLP
	APPROVED	RPK

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