



REPORT

2021 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 Company

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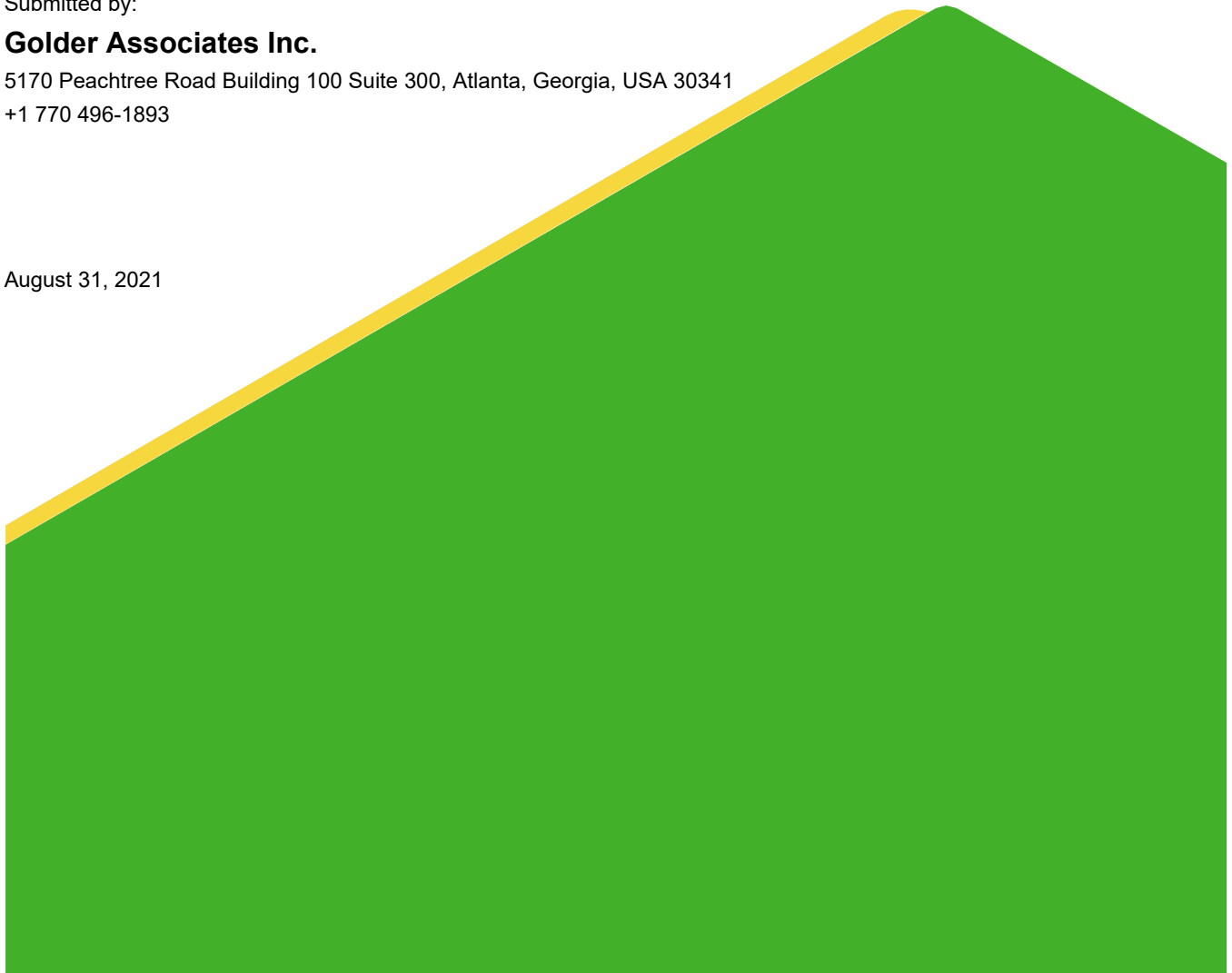
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Summary

This 2021 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant Scherer Cell 1 and Powdered Activated Carbon (PAC) Ash Cell (Cell 1 and PAC Ash, the Site), Juliette, Monroe County, Georgia, provides the status of groundwater monitoring and corrective program from January 1 through July 31, 2021. Groundwater monitoring and reporting for Cell 1 and PAC Ash Cell is performed by Golder Associates Inc. (Golder) in accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule published in the Code of Federal Regulations Title 40 Part 257 (40 CFR Part 257, Subpart D) dated April 17, 2015, and revised July 2018, 40 CFR § 257.90 through § 257.98. As required in 40 CFR § 257.90(e), this Annual Report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming year for Cell 1 and PAC Ash Cell. Other CCR units (AP-1) on site at Plant Scherer are reported separately.

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette.

Groundwater at the Site is monitored with a system comprised of upgradient and downgradient wells for each CCR Unit. Cell 1 network consists of three (3) upgradient and seventeen (17) downgradient wells and PAC Ash Cell network consists of seven (7) upgradient and five (5) downgradient wells installed to meet federal and state monitoring requirements. Routine sampling and reporting for Cell 1 and PAC Ash began in 2010 when the landfill was originally permitted. Monitoring for CCR Appendix III constituents commenced after background groundwater conditions were established between 2016 and 2018.



Plant Scherer

The semi-annual groundwater monitoring event for Cell 1 and PAC Ash Cell was conducted in April 2021. Groundwater elevation measurements were recorded at the monitoring wells prior to each sampling event to confirm groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR units

remains sufficient to monitor groundwater downgradient of the unit. Groundwater samples were collected and analyzed for Appendix III CCR constituents from each of the monitoring wells.

Analytical data from the April 2021 monitoring event have been statistically analyzed in accordance with the site's certified statistical analysis method. Results from the April 2021 semi-annual monitoring event indicate no statistically significant increases (SSIs) above the statistical limits of Appendix III parameters.

The site remains in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to EPD semi-annually.

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Certification Statement

This 2021 *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.

Golder Associates Inc.



Rachel P. Kirkman, PG

Georgia Registered Professional Geologist No. 1756

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



W. Randall Sullivan, PE

Georgia Registered Professional Engineer No. 13030

W. R. Sullivan 8/31/2021

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

1.1 Site Description & Background

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

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

The site is located within the Piedmont Physiographic Province of central Georgia, which is characterized by gently rolling hills and narrow valleys, with locally pronounced linear ridges. Overall, the property slopes gently south towards Lake Juliette and east toward the Ocmulgee River (Figure 1). The landfill is situated east/southeast of the ash pond which is in a topographically high area on the property. The landfill cells have a geosynthetic clay liner and a geomembrane, and a leachate collection and removal system in place.

1.2 Regional & Site Geology & Hydrogeologic Setting

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

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

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

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

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

1.3 Groundwater Monitoring Well Network

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

1.4 Surface Water Monitoring

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

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

1.5 Effluent Monitoring

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

2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during the first semi-annual monitoring period in 2021. During the first semi-annual monitoring period, Golder collected groundwater, surface water and effluent samples between April 1, and June 2, 2021. Table 2 presents a summary of the number of groundwater sampling events completed for Cell 1 and PAC Ash Cell and the status of the monitoring well network for each unit.

Groundwater analytical data and chain of custody records are presented in Appendix A. 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, calibration logs, 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 2021; the network remained the same as in the 2020 (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.

2.2 Detection Monitoring

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

3.0 SAMPLE METHODOLOGY & ANALYSIS

The first semi-annual sampling event for Cell 1 and PAC Ash Cell landfills at Plant Scherer was initially conducted in April 2021 with resampling conducted in June 2021. The following sections describe methods used to conduct groundwater monitoring at Cell 1 and PAC Ash Cell.

3.1 Groundwater Level Measurements

Prior to sampling, Golder recorded groundwater elevations from each well and piezometer on March 29, 2021. Groundwater elevation data are summarized on Table 3. The recorded water level data were used to develop potentiometric surface elevation contours and are presented on Figures 3A and 3B. Review of Figures 3A and 3B shows that groundwater generally flows south-southeast across Cell 1 and PAC Ash units, which is consistent with historical observations.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates at the site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon. Based on slug test data at the site, an average hydraulic conductivity value of 2.36 feet per day (ft/day) is used in the flow calculations. Additional details are provided in the *Plant Scherer Proposed Coal Combustion By-Product Disposal Facility Site Acceptability Report* (2007). The hydraulic gradient was calculated between well pairs as shown on Table 4. An effective porosity of 0.20 was used based on the default values for effective porosity recommended by US EPA for a silty sand-type soil (US EPA, 1996).

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

Where:

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

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

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

3.3 Groundwater Sampling

Groundwater samples were collected from site detection monitoring wells during April 2021. A follow-up sampling event was conducted in June 2021 at select monitoring wells (Wells GWC-6, GWC-8A, GWC-19, GWC-20, GWA-46, GWA-47, GWA-48, GWC-51 and GWC-52) because the original samples were lost in transit to the laboratory.

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

- 0.1 standard units for pH
- 5% for specific conductance
- 0.2 milligrams per liter (mg/L) or 10% for DO > 0.5 mg/L (whichever is greater)

- Turbidity measurements less than 5 Nephelometric Turbidity Units (NTU).

Any deviation from stabilization criteria, if applicable, is identified on field sampling forms. Following well stabilization, unfiltered samples were collected directly into appropriately preserved laboratory supplied sample containers, placed in iced coolers, and submitted to the laboratory following standard chain-of-custody protocol. Field information forms generated directly from the SmarTroll®/AquaTroll as well as chain-of-custody records are included in Appendix A.

Results for each well are summarized and compared to applicable standards on Tables 5A and 5B. Review of Tables 5A and 5B shows no exceedances of the established primary MCLs for any of the samples from either the upgradient or downgradient monitoring wells during the first semi-annual sampling event.

3.4 Surface Water Sampling

During the April 2021 sampling event, samples from surface water sampling locations SWA-1 through SWA-3, SWC-4, and SWC-6 through SWC-9 were analyzed for target parameters, as indicated in the D&O Plan. Surface water location SWC-5 was dry at the time of sampling and therefore, no sample was collected. The results of the April 2021 surface water sampling are provided in Table 5C. 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 permit-specified semi-annual monitoring parameters. Results of the FGD effluent sample collected on April 6, 2021 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 2010 D&O Plan and 2017 minor modification (Appendix III). Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix A.

Laboratory analyses were performed by Eurofins TestAmerica Laboratory (TAL) located in Pittsburgh, Pennsylvania, which is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed for this project. In addition, TAL laboratories are certified by the State of Georgia to perform analyses. Groundwater data and chain of custody records for the monitoring events are presented in Appendix A.

3.7 Quality Assurance and Quality Control

During each sampling event, quality assurance/quality control samples (QA/QC) are collected at a rate of one sample per every 20 samples. Equipment blanks (collected where non-dedicated sampling equipment is used), field blanks, and duplicate samples were also collected during each sampling event. QA/QC sample data were evaluated during data validation and are included in Appendix A.

Groundwater quality data in this report were independently validated in accordance with US EPA Region IV Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries, relative percent differences (RPDs), laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data per US EPA procedures and guidance. Data validation summary reports prepared by Golder are included in Appendix A. Flagged data identified in the statistical analysis reports are described in the following section. The data are considered usable for meeting project objectives and the results are considered valid.

A value followed by a "J" flag in tables and laboratory reports indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

4.0 STATISTICAL ANALYSES

Statistical analysis of groundwater monitoring data was performed on samples collected from the groundwater monitoring network following the appropriate certified statistical methodology following each sampling event.

4.1 Statistical Methods

The selected statistical method for Cell 1 and PAC Ash Cell was developed using methodology presented in Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009, US EPA 530/R-09-007 (Unified Guidance). The Sanitas Groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package, that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA Unified Guidance (2009) document.

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 April 2021 detection monitoring event are compared to the calculated statistical limits (utilizing historical data through September 2020) 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.

Since the September 2020 analyses, a two-step statistical analysis has been implemented, whereas, following intrawell statistical methods, a second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the

measurement exceeds the sitewide background limit based on pooled upgradient well data. A minor modification for the incorporation of the two-step statistical analysis was submitted to GA EPD on February 26, 2021. The table below, Statistical Method Summary, provides a summary of the statistical methodology used at Cell 1 routine detection groundwater monitoring.

STATISTICAL METHOD SUMMARY - PLANT SCHERER CELL 1		
Monitoring Well Network	Upgradient Wells	GWA-15, GWA-16, and GWA-17
	Downgradient Wells	GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, and GWC-20
CCR Monitoring Parameters	Appendix III (Detection Monitoring)	Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
GA EPD Monitoring Parameters	State Metals (Detection Monitoring)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Two-step statistical approach: Intrawell prediction limits for Appendix III (boron, calcium, chloride, fluoride, pH, sulfate, TDS) State metals (barium, chromium, cobalt, copper, lead, nickel, selenium, vanadium, and zinc) followed by interwell prediction limit analyses for any apparent exceedances.
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable; nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	No Statistical Testing	Statistical testing is not required for parameters with 100% non-detects.
	Verification Resample Plan (Optional)	1-of-2 with minimum of 8 samples per well for interwell testing; 1-of-2 resample plan with a minimum of 10 samples per well for intrawell testing. <ul style="list-style-type: none"> ▪ Initial statistical exceedance warrants independent resampling within 90 days. ▪ If resample passes, well/parameter is not a confirmed statistically significant increase (SSI). ▪ If all resamples exceeds, well/parameter has a confirmed SSI. ▪ If no resample is collected, the original result is deemed verified.

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

- Statistical analyses are not performed on analytes containing 100% non-detects (US EPA 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.

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.

Since the September 2020 analyses, a two-step statistical analysis has been implemented, whereas, following intrawell statistical methods, a second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. A minor modification for the incorporation of the two-step statistical analysis was submitted to GA EPD on February 26, 2021. The table below, Statistical Method Summary, provides a summary of the statistical methodology used at PAC Ash routine detection groundwater monitoring.

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
GA EPD Monitoring Parameters	State Metals (Detection Monitoring)	Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc
Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Two-step statistical approach: Intrawell statistical limits will be applied for each well/constituent, depending on the appropriateness of the method as determined by the Analysis of Variance followed by interwell prediction limit analyses for any apparent exceedances.
	Prediction Limits	Parametric when data follow a normal or transformed normal distribution and when less than 50% non-detects, utilizing Kaplan Meier non-detect adjustment when applicable; nonparametric when data sets contain greater than 50% non-detects or when data are not normally or transformed-normally distributed.
	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"> ▪ Initial statistical exceedance warrants independent resampling within 90 days. ▪ If resample passes, well/parameter is not a confirmed SSI. ▪ If resample exceeds, well/parameter has a confirmed SSI. ▪ If no resample is collected, the original result is deemed verified.

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

- Statistical analyses are not performed on analytes containing 100% non-detects (US EPA 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.

4.2 Statistical Analysis Results

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

Following the statistical methods described above, including the 2-step analyses, April 2021 Statistically Significant Increase Summary below presents the SSIs noted following the April 2021 monitoring event.

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

April 2021 Statistically Significant Increase Summary

Well	Parameter	Concentration (April 2021) mg/L	Upper Prediction Limit mg/L
Cell 1			
GWC-2	Zinc	0.01	0.0084
GWC-8A	Calcium	52	14
GWC-2	pH	7.32	6.52
PAC Ash Cell – No Exceedances			

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. Apparent statistical exceedances for calcium, pH, and zinc are noted for select monitoring wells at Cell 1. No statistical exceedances were identified in PAC Ash monitoring wells.

4.3 Alternate Source Demonstrations

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

The calcium statistical exceedance identified following the April 2021 sampling event is addressed in a previous ASDs prepared for the Site (Golder, 2021a). In lieu of immediate verification resampling for the initial SSI of zinc and pH reported at a single well downgradient of Cell 1 (GWC-2), these SSIs will be addressed in a forthcoming ASD following the options of 40 CFR § 257.95 and 391-3-4-.10(6). The ASD will address each of the statistical exceedances above the prediction limits identified following the April 2021 sampling event. The ASD is in progress and will be submitted under a separate cover in accordance with the schedule provided by the rule.

5.0 MONITORING PROGRAM STATUS

Plant Scherer Cell 1 and PAC Ash Cell are in detection monitoring. Table 2 presents the status of each well within the certified monitoring network for Cell 1 and PAC Ash Cell, respectively. SSIs of calcium, pH and zinc were identified during the April 2021 sampling event. The calcium SSI is addressed by the previous ASD (Golder, 2021a). The SSIs reported for zinc and pH at Cell 1 well, GWC-2, will be addressed in a forthcoming ASD. As such, Cell 1 and PAC Ash Cell will remain in detection monitoring.

6.0 CONCLUSIONS

This 2021 *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 40 CFR 257, Georgia EPD SWMR 391.3.4.-10, and the 2010 D&O Plan. Samples were obtained between April 1 through 6, 2021 and select parameters were resampled on June 1 and 2, 2021 due to sample delivery errors. The groundwater flow direction and rates observed during 2021 are consistent with historical evaluations.

Review of analytical results and statistical analyses following the two-step analyses developed for the Site to account for spatial variability indicate that one of the three statistical exceedances identified during the first semi-annual 2021 sampling event can be addressed by a previously submitted ASD and is attributed to either natural variability in groundwater or a source other than the landfill units. In lieu of immediate verification resampling for the initial SSIs noted herein will be addressed in a forthcoming ASD, anticipated to be on or before November 16, 2021. The monitoring well network continues to effectively monitor the water bearing unit beneath the lined landfill units (Cell 1 and PAC Ash Cell).

Based on the findings presented herein, Plant Scherer Cell 1 and PAC Ash Cell will continue with detection groundwater monitoring and reporting. The next scheduled sampling event is scheduled for August 2021.

7.0 REFERENCES

- Georgia Environmental Protection Division, 2017. CCR Rule Compliance, Minor Modification Request to Add Appendix III & IV Sample Parameters to the Current Groundwater Monitoring Plan, Permit No. 102-009(DL), August 9, 2017.
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- Golder, 2021b. Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 Second Semi-Annual Monitoring Event, Golder Associates Inc., April 2021.
- Heath, R.C., 1982, Basic Ground-Water Hydrology. Water Supply Paper 2220. U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado.
- Sanitas: Groundwater Statistical Software (2014), Sanitas Technologies, Shawnee, KS, 2007.
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TABLES & FIGURES

TABLE 1
SUMMARY OF MONITORING WELL AND PIEZOMETER INSTALLATION
Georgia Power - Plant Scherer
Juliette, GA

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

TABLE 1
SUMMARY OF MONITORING WELL AND PIEZOMETER INSTALLATION
Georgia Power - Plant Scherer
Juliette, GA

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

TABLE 1
SUMMARY OF MONITORING WELL AND PIEZOMETER INSTALLATION
Georgia Power - Plant Scherer
Juliette, GA

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

Notes:

- ft = feet; feet bgs = feet below ground surface; ft BTOC = feet below top of casing
- (1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.
- (2) Vertical elevations are in feet relative to the North American Vertical Datum (NAVD) 1988.
- (3) Total well depth accounts for sump if data provided on well construction logs.
- (4) - = not applicable

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

Well ID	Hydraulic Location	Summary of Sampling Event	Status of Monitoring Well
		April 2021	
Purpose of Sampling Event		Detection	
CELL 1			
GWA-15	Upgradient	X	Detection
GWA-16	Upgradient	X	Detection
GWA-17	Upgradient	X	Detection
GWC-1	Downgradient	X	Detection
GWC-2	Downgradient	X	Detection
GWC-3	Downgradient	X	Detection
GWC-4	Downgradient	X	Detection
GWC-5	Downgradient	X	Detection
GWC-6	Downgradient	X	Detection
GWC-7	Downgradient	X	Detection
GWC-8 ^[1]	Downgradient	X	Detection
GWC-8A ^[1]	Downgradient	X	Detection
GWC-9	Downgradient	X	Detection
GWC-10	Downgradient	X	Detection
GWC-11	Downgradient	X	Detection
GWC-12	Downgradient	X	Detection
GWC-13	Downgradient	X	Detection
GWC-14	Downgradient	X	Detection
GWC-18	Downgradient	X	Detection
GWC-19	Downgradient	X	Detection
GWC-20	Downgradient	X	Detection

Notes:

^[1] Monitoring well GWC-8 was replaced with GWC-8A in May 2017.

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

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

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

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

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

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

Notes:

Feet MSL = feet above mean sea level

Dry = water level was found to be below top of pump.

Piezometer PZ-50D is located south of Lake Juliette, and is not included in the mapped area.

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

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

Notes:

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

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

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

NOTES:

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

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

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

NOTES:

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

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

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

NOTES:

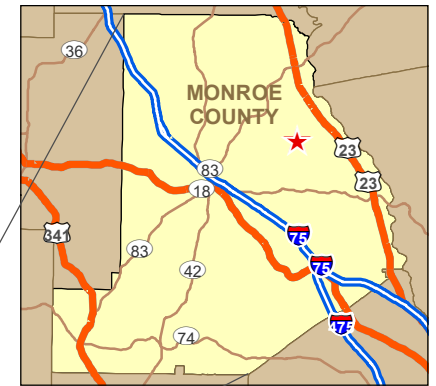
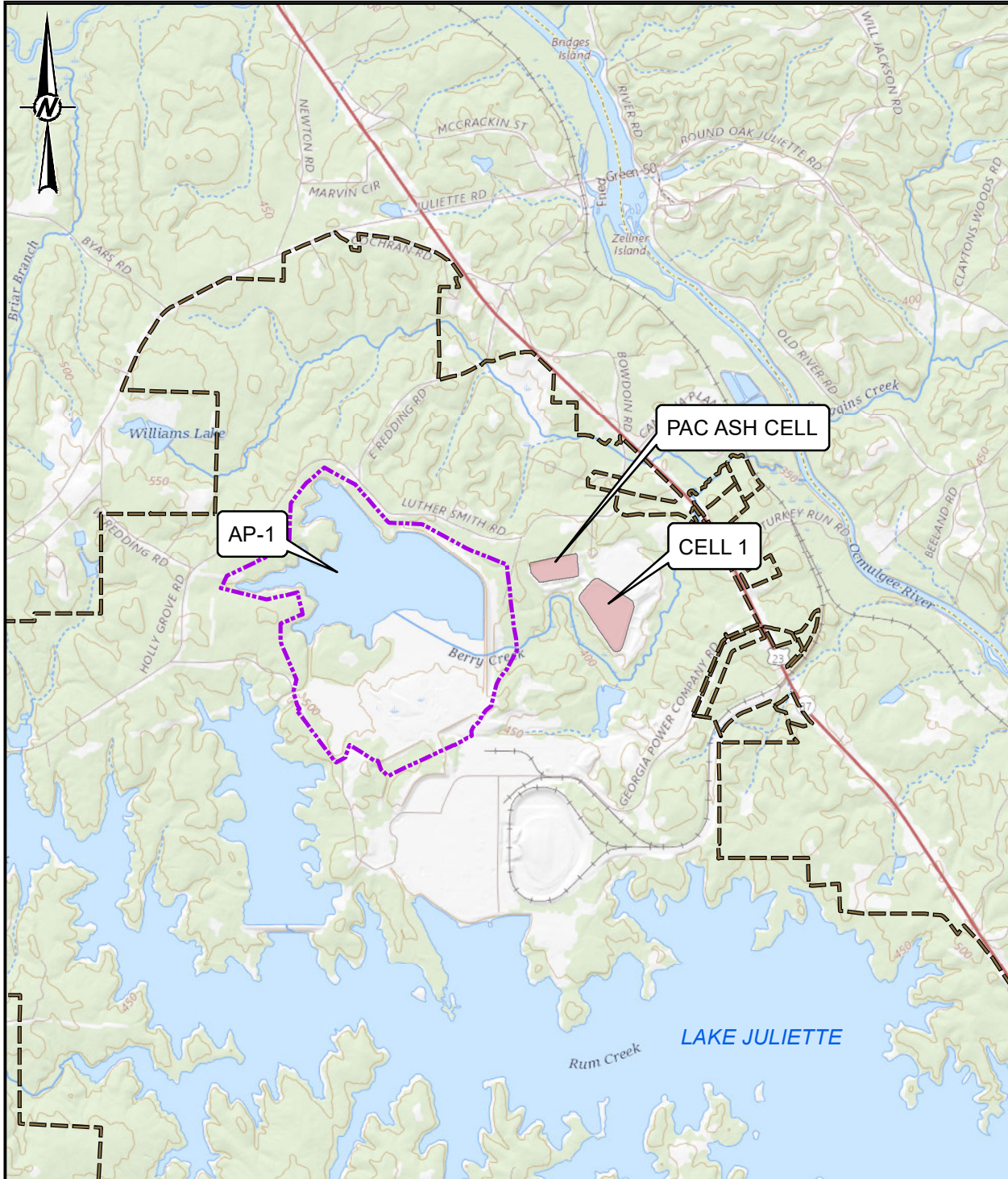
1. mg/L - Milligrams per Liter; SU - Standard Units.
2. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments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

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

Analyte	Units	SURFACE WATER SAMPLING LOCATIONS								
		SWA-1	SWA-2	SWA-3	SWC-4	SWC-5	SWC-6	SWC-7	SWC-8	SWC-9
Sample Date:		4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021	4/7/2021
FIELD MONITORING PARAMETERS										
pH	SU	7.47	6.99	6.97	7.50	DRY	7.73	7.51	7.17	6.71
ORP	mV	79.5	40.4	54.1	73.2	DRY	71.2	79.3	61.3	82.0
SPECIFIC CONDUCTANCE	us/cm	218.71	562.67	296.44	331.30	DRY	137.85	268.92	426.74	120.95
DISSOLVED OXYGEN	mg/L	10.8	7.45	7.97	9.19	DRY	9.12	9.83	8.26	7.83
TEMPERATURE	C	25.56	22.98	23.83	21.02	DRY	21.50	22.43	24.06	20.99
TURBIDITY	NTU	2.26	5.15	3.49	5.70	DRY	12.19	6.78	5.58	0.90
APPENDIX III										
BORON, TOTAL	mg/L	0.31	0.98	0.53	0.54	DRY	< 0.039	0.35	0.78	< 0.039
CALCIUM, TOTAL	mg/L	18	37	14	22	DRY	10	21	27	10
CHLORIDE, TOTAL	mg/L	3.6	11	11	8.0	DRY	2.6	6.8	11	2.4
FLUORIDE, TOTAL	mg/L	0.18	0.052 J	0.039 J	0.067 J	DRY	0.093 J	0.085 J	0.031 J	0.076 J
SULFATE, TOTAL	mg/L	44	190	90	90	DRY	0.98 J	60	140	2.3
TOTAL DISSOLVED SOLIDS	mg/L	110	340	160	200	DRY	83	150	250	85
STATE REQUIRED INORGANICS										
CHEMICAL OXYGEN DEMAND	mg/L	< 9.1	< 9.1	< 9.1	N/S	DRY	N/S	< 9.1	N/S	N/S
CYANIDE, TOTAL	mg/L	< 0.0080	< 0.0080	< 0.0080	N/S	DRY	N/S	< 0.0080	N/S	N/S
TOTAL ORGANIC CARBON	mg/L	4.5	1.4	0.88 J	N/S	DRY	N/S	1.9	N/S	N/S
STATE REQUIRED METALS										
ANTIMONY, TOTAL	mg/L	< 0.00038	< 0.00038	< 0.00038	< 0.00038	DRY	< 0.00038	< 0.00038	< 0.00038	< 0.00038
ARSENIC, TOTAL	mg/L	0.00041 J	< 0.00031	< 0.00031	< 0.00031	DRY	< 0.00031	< 0.00031	< 0.00031	< 0.00031
BARIUM, TOTAL	mg/L	0.051	0.071	0.047	0.048	DRY	0.029	0.049	0.062	0.019
BERYLLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	0.00022 J	DRY	< 0.00018	< 0.00018	< 0.00018	< 0.00018
CADMIUM, TOTAL	mg/L	< 0.00022	< 0.00022	< 0.00022	< 0.00022	DRY	< 0.00022	< 0.00022	< 0.00022	< 0.00022
CHROMIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	DRY	< 0.0015	< 0.0015	< 0.0015	0.0060
COBALT, TOTAL	mg/L	0.00014 J	0.0070	0.0054	0.0025	DRY	0.0029	0.0011 J	0.0056	0.00027 J
COPPER, TOTAL	mg/L	0.0033	< 0.00063	< 0.00063	< 0.00063	DRY	< 0.00063	0.00085 J	< 0.00063	< 0.00063
LEAD, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	0.00018 J	DRY	< 0.00013	< 0.00013	< 0.00013	< 0.00013
MERCURY, TOTAL	mg/L	< 0.00013	< 0.00013	< 0.00013	< 0.00013	DRY	< 0.00013	< 0.00013	< 0.00013	< 0.00013
NICKEL, TOTAL	mg/L	0.00075 J	0.0011	0.0013	0.00076 J	DRY	0.00051 J	0.00056 J	0.00091 J	< 0.00034
SELENIUM, TOTAL	mg/L	< 0.0015	< 0.0015	< 0.0015	< 0.0015	DRY	< 0.0015	< 0.0015	< 0.0015	< 0.0015
SILVER, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	DRY	< 0.00018	< 0.00018	< 0.00018	< 0.00018
THALLIUM, TOTAL	mg/L	< 0.00015	< 0.00015	< 0.00015	0.00037 J	DRY	< 0.00015	< 0.00015	< 0.00015	< 0.00015
VANADIUM, TOTAL	mg/L	0.0028	0.0013	0.0018	0.0011	DRY	0.0017	0.0014	< 0.00099	0.0062
ZINC, TOTAL	mg/L	< 0.0032	< 0.0032	0.0035 J	< 0.0032	DRY	< 0.0032	< 0.0032	< 0.0032	< 0.0032

NOTES:

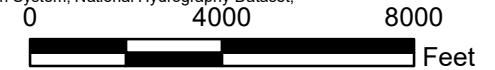
1. mg/L - Milligrams per Liter; SU - Standard Units; mV - millivolts; C - degrees Celcius; NTU - Nephelometric Turbidity Unit; us/cm - microsiemens per centimeter.
2. Dissolved Oxygen Screening Limit: A daily average of 6.0 mg/L and no less than 5.0 g/L for designated waters.
3. J indicates the substance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



LEGEND

- PROPERTY BOUNDARY
- - - AP-1 PERMIT BOUNDARY

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



CLIENT
 GEORGIA POWER COMPANY
 PLANT SCHERER



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

TITLE
SITE LOCATION MAP

CONSULTANT



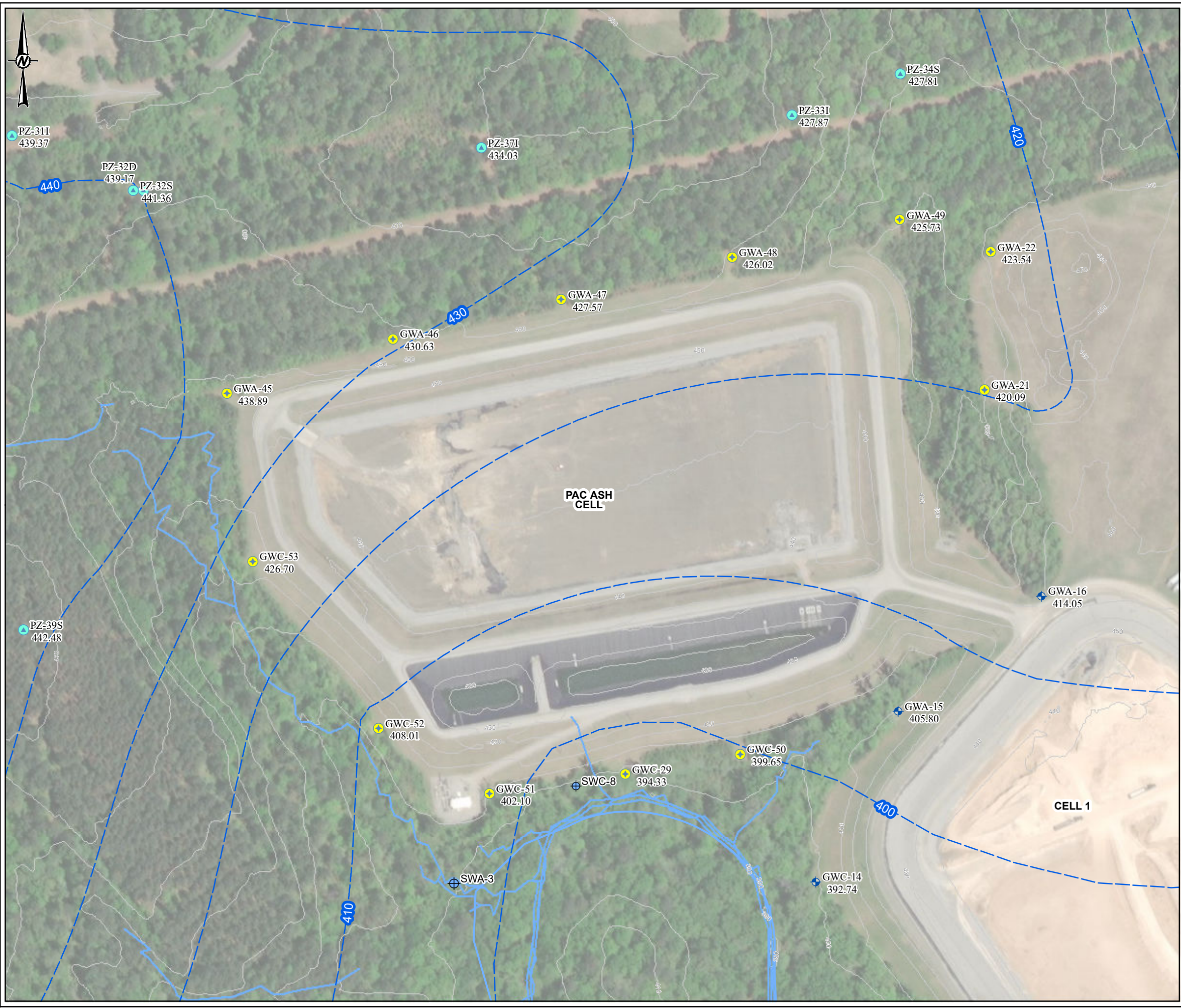
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PREPARED	DJC
DESIGN	DJC
CHECKED	DLP
REVIEWED/APPROVED	RPK

PROJECT No.
 166235021

CONTROL
 166235021AE000-GIS.mxd

Rev.
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FIGURE
 1



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

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

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



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 PLANT SCHERER



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

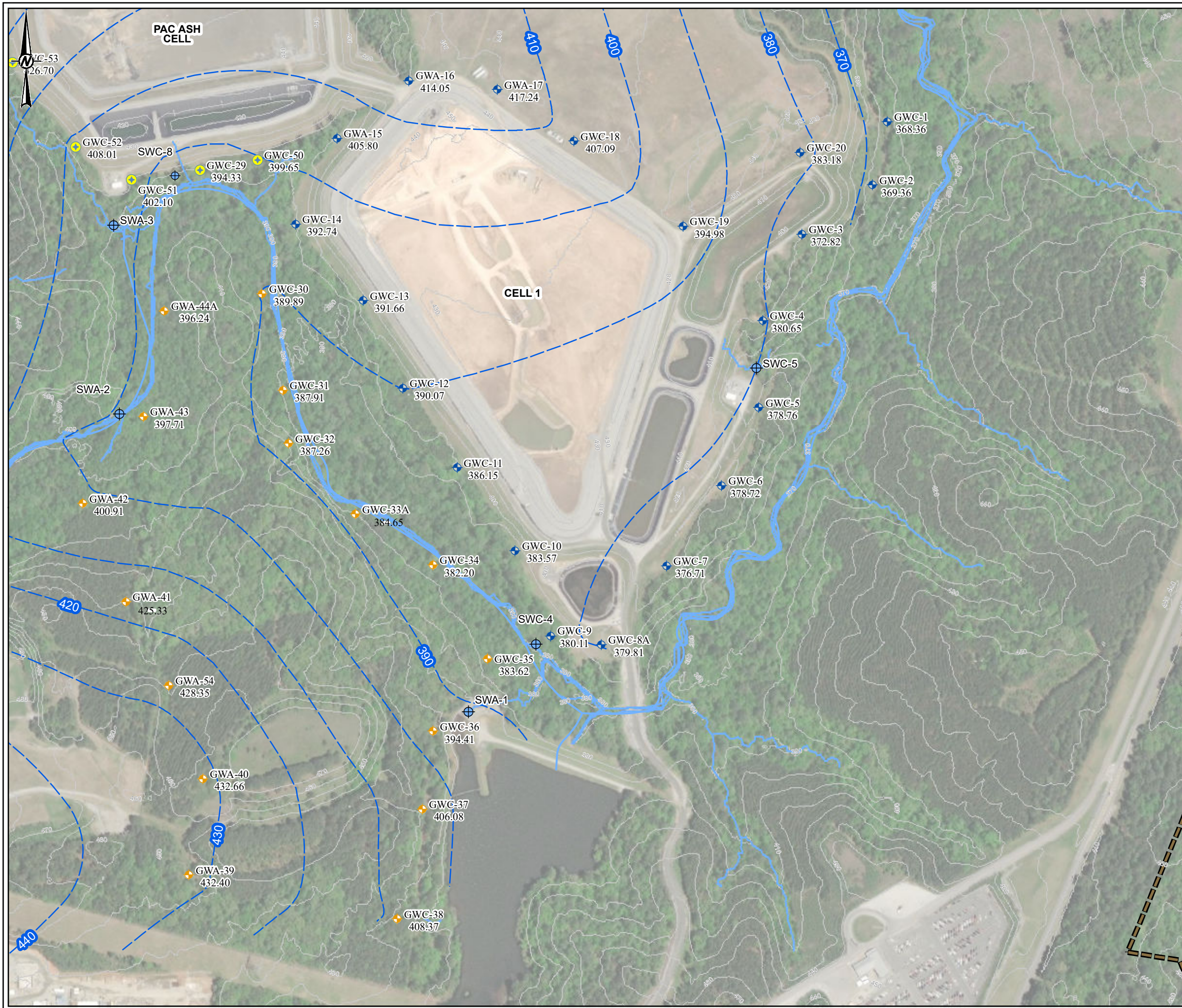
TITLE
POTENTIOMETRIC SURFACE MAP - PAC ASH CELL
 MARCH 29, 2021

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

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

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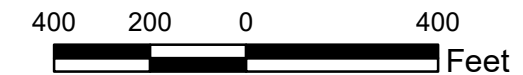
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSB



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

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

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



CLIENT
GEORGIA POWER COMPANY
 PLANT SCHERER

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

TITLE
POTENTIOMETRIC SURFACE MAP - CELL 1
 MARCH 29, 2021

CONSULTANT	YYYY-MM-DD	2021-07-06
	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

APPENDIX A

Laboratory Analytical Data, Field Data Forms,
Instrument Calibration Forms, Well Inspection Forms,
Data Validation Summaries, and Laboratory
Accreditation

APPENDIX A

Laboratory Analytical Data
April 2021

ANALYTICAL REPORT

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

Laboratory Job ID: 180-119474-1

Client Project/Site: Plant Scherer Cell 1 Major Ions
Revision: 1

For:

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

Attn: Joju Abraham



Authorized for release by:
5/6/2021 8:35:05 PM

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

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



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Case Narrative

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

Job ID: 180-119474-1

Job ID: 180-119474-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

**Job Narrative
180-119474-1**

Comments

050621 Remove the following sample at client request because it was collected twice: GWC-8A (180-119474-8). April 1st collection results not needed. This report replaces the report previously issued on 042621.

Receipt

The samples were received on 4/3/2021 10:45 AM, 4/7/2021 9:30 AM and 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 2.9° C, 2.9° C, 2.9° C, 2.9° C, 3.2° C, 3.4° C, 3.6° C, 3.7° C, 3.7° C, 3.8° C, 3.8° C, 3.8° C and 3.8° C.

Receipt Exceptions

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

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): EB CELL 1 (180-119474-15). The container labels list a sample collection time of 14:05, while the COC lists 13:39. The time on the COC was used.

Metals

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

Field Service / Mobile Lab

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

General Chemistry

Method SM 2320B: The sample duplicate precision for the following sample associated with analytical batch 180-353175 was outside control limits: (180-119474-A-14 DU). Non-homogeneity of the sample matrix is suspected. Sample was reanalyzed and met criteria. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

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



Definitions/Glossary

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

Job ID: 180-119474-1

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119474-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

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

Job ID: 180-119474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119474-1	GWA-15	Water	04/01/21 09:51	04/03/21 10:45	
180-119474-2	GWA-16	Water	04/01/21 10:46	04/03/21 10:45	
180-119474-3	GWA-17	Water	04/01/21 13:25	04/03/21 10:45	
180-119474-4	GWC-1	Water	04/01/21 15:52	04/03/21 10:45	
180-119474-5	GWC-2	Water	04/01/21 16:16	04/03/21 10:45	
180-119474-6	GWC-5	Water	04/01/21 14:20	04/03/21 10:45	
180-119474-7	GWC-7	Water	04/01/21 14:35	04/03/21 10:45	
180-119474-9	GWC-9	Water	04/01/21 12:08	04/03/21 10:45	
180-119474-10	GWC-10	Water	04/01/21 16:23	04/03/21 10:45	
180-119474-11	GWC-11	Water	04/01/21 13:39	04/03/21 10:45	
180-119474-12	GWC-12	Water	04/01/21 12:21	04/03/21 10:45	
180-119474-13	GWC-14	Water	04/01/21 10:47	04/03/21 10:45	
180-119474-14	GWC-18	Water	04/01/21 11:57	04/03/21 10:45	
180-119474-15	EB CELL 1	Water	04/01/21 13:39	04/03/21 10:45	
180-119474-16	FB CELL 1	Water	04/01/21 12:45	04/03/21 10:45	
180-119474-17	DUP CELL 1	Water	04/01/21 00:00	04/03/21 10:45	
180-119484-1	GWC-4	Water	04/02/21 11:46	04/03/21 10:45	
180-119604-1	GWC-6	Water	04/05/21 16:42	04/07/21 09:30	
180-119604-2	GWC-8A	Water	04/05/21 12:54	04/07/21 09:30	
180-119604-3	GWC-19	Water	04/05/21 12:50	04/07/21 09:30	
180-119604-4	GWC-20	Water	04/05/21 11:50	04/07/21 09:30	
180-119761-1	GWC-3	Water	04/06/21 11:46	04/09/21 09:30	
180-119761-2	GWC-13	Water	04/06/21 15:00	04/09/21 09:30	

Method Summary

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

Job ID: 180-119474-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWA-15

Lab Sample ID: 180-119474-1

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:38	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:37	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 09:51	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWA-16

Lab Sample ID: 180-119474-2

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:41	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:46	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 10:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWA-17

Lab Sample ID: 180-119474-3

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:45	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 18:54	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 13:25	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-1

Lab Sample ID: 180-119474-4

Date Collected: 04/01/21 15:52

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:48	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 19:03	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 15:52	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWC-2
Date Collected: 04/01/21 16:16
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 12:52	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/14/21 19:31	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352062	04/01/21 16:16	FDS	TAL PIT

Client Sample ID: GWC-5
Date Collected: 04/01/21 14:20
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 12:55	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/14/21 19:49	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352062	04/01/21 14:20	FDS	TAL PIT

Client Sample ID: GWC-7
Date Collected: 04/01/21 14:35
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 12:58	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/14/21 19:57	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352062	04/01/21 14:35	FDS	TAL PIT

Client Sample ID: GWC-9
Date Collected: 04/01/21 12:08
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 13:12	RSK	TAL PIT
Total/NA	Analysis	SM2320 B Instrument ID: PCTITRATOR		1			353175	04/14/21 20:15	REI	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352062	04/01/21 12:08	FDS	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWC-10

Date Collected: 04/01/21 16:23

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:16	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:24	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 16:23	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-11

Date Collected: 04/01/21 13:39

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:19	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:33	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 13:39	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-12

Date Collected: 04/01/21 12:21

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:22	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:42	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 12:21	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-14

Date Collected: 04/01/21 10:47

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:26	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 20:51	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 10:47	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWC-18

Date Collected: 04/01/21 11:57

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:29	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 21:48	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352062	04/01/21 11:57	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EB CELL 1

Date Collected: 04/01/21 13:39

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:33	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:05	REI	TAL PIT
		Instrument ID: PCTITRATOR								

Client Sample ID: FB CELL 1

Date Collected: 04/01/21 12:45

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:36	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:14	REI	TAL PIT
		Instrument ID: PCTITRATOR								

Client Sample ID: DUP CELL 1

Date Collected: 04/01/21 00:00

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:40	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353175	04/14/21 22:22	REI	TAL PIT
		Instrument ID: PCTITRATOR								

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWC-4

Date Collected: 04/02/21 11:46

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119484-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:25	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353175	04/15/21 02:12	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 11:46	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-6

Date Collected: 04/05/21 16:42

Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 12:07	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:25	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 16:42	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-8A

Date Collected: 04/05/21 12:54

Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:31	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:43	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 12:54	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-19

Date Collected: 04/05/21 12:50

Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:34	RSK	TAL PIT
Instrument ID: DORY										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 14:52	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 12:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119474-1

Client Sample ID: GWC-20

Date Collected: 04/05/21 11:50

Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:38	RSK	TAL PIT
		Instrument ID: DORY								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 15:01	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 11:50	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-3

Date Collected: 04/06/21 11:46

Date Received: 04/09/21 09:30

Lab Sample ID: 180-119761-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:12	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:02	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 11:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-13

Date Collected: 04/06/21 15:00

Date Received: 04/09/21 09:30

Lab Sample ID: 180-119761-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 18:30	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:11	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 15:00	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

REI = Rachel Innocenzi

RSK = Robert Kurtz

Eurofins TestAmerica, Pittsburgh

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWA-15

Lab Sample ID: 180-119474-1

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:38	1
Potassium	0.23	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:38	1
Sodium	4.9		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	36		5.0	5.0	mg/L			04/14/21 18:37	1
Bicarbonate Alkalinity as CaCO3	36		5.0	5.0	mg/L			04/14/21 18:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.31				SU			04/01/21 09:51	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWA-16

Lab Sample ID: 180-119474-2

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.7		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:41	1
Potassium	0.88		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:41	1
Sodium	8.2		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	61		5.0	5.0	mg/L			04/14/21 18:46	1
Bicarbonate Alkalinity as CaCO3	61		5.0	5.0	mg/L			04/14/21 18:46	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:46	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 10:46	1



Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWA-17

Lab Sample ID: 180-119474-3

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.8		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:45	1
Potassium	0.94		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:45	1
Sodium	8.6		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	51		5.0	5.0	mg/L			04/14/21 18:54	1
Bicarbonate Alkalinity as CaCO3	51		5.0	5.0	mg/L			04/14/21 18:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 18:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			04/01/21 13:25	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-1
 Date Collected: 04/01/21 15:52
 Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-4
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:48	1
Potassium	0.86		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:48	1
Sodium	9.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	94		5.0	5.0	mg/L			04/14/21 19:03	1
Bicarbonate Alkalinity as CaCO3	94		5.0	5.0	mg/L			04/14/21 19:03	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.52				SU			04/01/21 15:52	1

- 1
- 2
- 3
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- 13

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-2
 Date Collected: 04/01/21 16:16
 Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-5
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.9		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:52	1
Potassium	1.3		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:52	1
Sodium	8.5		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	84		5.0	5.0	mg/L			04/14/21 19:31	1
Bicarbonate Alkalinity as CaCO3	84		5.0	5.0	mg/L			04/14/21 19:31	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:31	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.32				SU			04/01/21 16:16	1

- 1
- 2
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- 4
- 5
- 6
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- 11
- 12
- 13

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-5

Lab Sample ID: 180-119474-6

Date Collected: 04/01/21 14:20

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	20		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:55	1
Potassium	1.2		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:55	1
Sodium	13		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	60		5.0	5.0	mg/L			04/14/21 19:49	1
Bicarbonate Alkalinity as CaCO3	60		5.0	5.0	mg/L			04/14/21 19:49	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/01/21 14:20	1



Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-7

Lab Sample ID: 180-119474-7

Date Collected: 04/01/21 14:35

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.7		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:58	1
Potassium	1.0		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:58	1
Sodium	8.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	79		5.0	5.0	mg/L			04/14/21 19:57	1
Bicarbonate Alkalinity as CaCO3	79		5.0	5.0	mg/L			04/14/21 19:57	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 19:57	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			04/01/21 14:35	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-9

Lab Sample ID: 180-119474-9

Date Collected: 04/01/21 12:08

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:12	1
Potassium	0.91		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:12	1
Sodium	10		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	81		5.0	5.0	mg/L			04/14/21 20:15	1
Bicarbonate Alkalinity as CaCO3	81		5.0	5.0	mg/L			04/14/21 20:15	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.28				SU			04/01/21 12:08	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-10

Lab Sample ID: 180-119474-10

Date Collected: 04/01/21 16:23

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	9.2		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:16	1
Potassium	1.0		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:16	1
Sodium	7.9		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	93		5.0	5.0	mg/L			04/14/21 20:24	1
Bicarbonate Alkalinity as CaCO3	93		5.0	5.0	mg/L			04/14/21 20:24	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:24	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/01/21 16:23	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-11
 Date Collected: 04/01/21 13:39
 Date Received: 04/03/21 10:45

Lab Sample ID: 180-119474-11
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	6.6		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:19	1
Potassium	0.74		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:19	1
Sodium	4.8		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	67		5.0	5.0	mg/L			04/14/21 20:33	1
Bicarbonate Alkalinity as CaCO3	67		5.0	5.0	mg/L			04/14/21 20:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.11				SU			04/01/21 13:39	1

- 1
- 2
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Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-12

Lab Sample ID: 180-119474-12

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.90		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:22	1
Potassium	0.32	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:22	1
Sodium	2.4		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	8.7		5.0	5.0	mg/L			04/14/21 20:42	1
Bicarbonate Alkalinity as CaCO3	8.7		5.0	5.0	mg/L			04/14/21 20:42	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:42	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.18				SU			04/01/21 12:21	1



Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-14

Lab Sample ID: 180-119474-13

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:26	1
Potassium	0.41	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:26	1
Sodium	3.0		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	32		5.0	5.0	mg/L			04/14/21 20:51	1
Bicarbonate Alkalinity as CaCO3	32		5.0	5.0	mg/L			04/14/21 20:51	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 20:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.53				SU			04/01/21 10:47	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-18

Lab Sample ID: 180-119474-14

Date Collected: 04/01/21 11:57

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.8		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:29	1
Potassium	0.70		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:29	1
Sodium	7.1		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	78		5.0	5.0	mg/L			04/14/21 21:48	1
Bicarbonate Alkalinity as CaCO3	78		5.0	5.0	mg/L			04/14/21 21:48	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/01/21 11:57	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: EB CELL 1

Lab Sample ID: 180-119474-15

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:33	1
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:33	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:05	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: FB CELL 1

Lab Sample ID: 180-119474-16

Date Collected: 04/01/21 12:45

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:36	1
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:36	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 22:14	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: DUP CELL 1

Lab Sample ID: 180-119474-17

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.0		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 13:40	1
Potassium	0.41	J	0.50	0.16	mg/L		04/16/21 13:11	04/20/21 13:40	1
Sodium	3.0		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO ₃ to pH 4.5	32		5.0	5.0	mg/L			04/14/21 22:22	1
Bicarbonate Alkalinity as CaCO ₃	32		5.0	5.0	mg/L			04/14/21 22:22	1
Carbonate Alkalinity as CaCO ₃	<5.0		5.0	5.0	mg/L			04/14/21 22:22	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-4

Lab Sample ID: 180-119484-1

Date Collected: 04/02/21 11:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.5		0.50	0.083	mg/L		04/15/21 14:53	04/20/21 13:25	1
Potassium	1.4		0.50	0.16	mg/L		04/15/21 14:53	04/20/21 13:25	1
Sodium	11		0.50	0.35	mg/L		04/15/21 14:53	04/20/21 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	73		5.0	5.0	mg/L			04/15/21 02:12	1
Bicarbonate Alkalinity as CaCO3	73		5.0	5.0	mg/L			04/15/21 02:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 02:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/02/21 11:46	1



Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-6

Lab Sample ID: 180-119604-1

Date Collected: 04/05/21 16:42

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.7		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 12:07	1
Magnesium	7.4		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 12:07	1
Sodium	9.2		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	74		5.0	5.0	mg/L			04/15/21 14:25	1
Bicarbonate Alkalinity as CaCO3	74		5.0	5.0	mg/L			04/15/21 14:25	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.36				SU			04/05/21 16:42	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-8A

Lab Sample ID: 180-119604-2

Date Collected: 04/05/21 12:54

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.4		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:31	1
Magnesium	26		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:31	1
Sodium	14		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	250		5.0	5.0	mg/L			04/15/21 14:43	1
Bicarbonate Alkalinity as CaCO3	250		5.0	5.0	mg/L			04/15/21 14:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/05/21 12:54	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-19

Lab Sample ID: 180-119604-3

Date Collected: 04/05/21 12:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.4		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:34	1
Magnesium	7.8		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:34	1
Sodium	8.7		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	89		5.0	5.0	mg/L			04/15/21 14:52	1
Bicarbonate Alkalinity as CaCO3	89		5.0	5.0	mg/L			04/15/21 14:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 14:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/05/21 12:50	1

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-20

Lab Sample ID: 180-119604-4

Date Collected: 04/05/21 11:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.0		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 18:38	1
Magnesium	6.1		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 18:38	1
Sodium	6.5		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	74		5.0	5.0	mg/L			04/15/21 15:01	1
Bicarbonate Alkalinity as CaCO3	74		5.0	5.0	mg/L			04/15/21 15:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 15:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.64				SU			04/05/21 11:50	1



Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-3
 Date Collected: 04/06/21 11:46
 Date Received: 04/09/21 09:30

Lab Sample ID: 180-119761-1
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.88		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:12	1
Magnesium	4.0		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:12	1
Sodium	5.5		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	42		5.0	5.0	mg/L			04/15/21 17:02	1
Bicarbonate Alkalinity as CaCO3	42		5.0	5.0	mg/L			04/15/21 17:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:02	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/06/21 11:46	1

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

Client Sample Results

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

Job ID: 180-119474-1

Client Sample ID: GWC-13

Lab Sample ID: 180-119761-2

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.50		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 18:30	1
Magnesium	4.3		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 18:30	1
Sodium	5.8		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	45		5.0	5.0	mg/L			04/15/21 17:11	1
Bicarbonate Alkalinity as CaCO3	45		5.0	5.0	mg/L			04/15/21 17:11	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.95				SU			04/06/21 15:00	1



QC Sample Results

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

Job ID: 180-119474-1

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

Lab Sample ID: MB 180-353251/1-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:53	04/20/21 12:21	1
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:53	04/20/21 12:21	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:53	04/20/21 12:21	1

Lab Sample ID: LCS 180-353251/2-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	26.9		mg/L		108	80 - 120
Magnesium	25.0	25.6		mg/L		102	80 - 120
Sodium	25.0	25.9		mg/L		104	80 - 120

Lab Sample ID: 180-119479-C-1-B MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	0.98		25.0	28.5		mg/L		110	75 - 125
Magnesium	4.4		25.0	30.1		mg/L		103	75 - 125
Sodium	11		25.0	36.9		mg/L		102	75 - 125

Lab Sample ID: 180-119479-C-1-C MSD
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Potassium	0.98		25.0	28.1		mg/L		109	75 - 125	2	20
Magnesium	4.4		25.0	29.8		mg/L		102	75 - 125	1	20
Sodium	11		25.0	36.5		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 180-353424/2-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:11	04/20/21 12:24	1
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:11	04/20/21 12:24	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:11	04/20/21 12:24	1

Lab Sample ID: LCS 180-353424/1-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	24.3		mg/L		97	80 - 120
Magnesium	25.0	24.0		mg/L		96	80 - 120
Sodium	25.0	25.0		mg/L		100	80 - 120

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QC Sample Results

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

Job ID: 180-119474-1

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

Lab Sample ID: 180-119475-B-3-B MS
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	0.95		25.0	25.0		mg/L		96	75 - 125	
Magnesium	2.9		25.0	27.1		mg/L		97	75 - 125	
Sodium	8.9		25.0	33.6		mg/L		99	75 - 125	

Lab Sample ID: 180-119475-B-3-C MSD
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Potassium	0.95		25.0	25.1		mg/L		96	75 - 125	0	20
Magnesium	2.9		25.0	27.2		mg/L		98	75 - 125	1	20
Sodium	8.9		25.0	33.7		mg/L		99	75 - 125	0	20

Lab Sample ID: MB 180-353428/1-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/16/21 13:15	04/20/21 08:49	1
Magnesium	<0.083		0.50	0.083	mg/L		04/16/21 13:15	04/20/21 08:49	1
Sodium	<0.35		0.50	0.35	mg/L		04/16/21 13:15	04/20/21 08:49	1

Lab Sample ID: LCS 180-353428/2-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	
							Result	Qualifier
Potassium	25.0	24.2		mg/L		97	80 - 120	
Magnesium	25.0	24.7		mg/L		99	80 - 120	
Sodium	25.0	25.6		mg/L		102	80 - 120	

Lab Sample ID: 180-119604-1 MS
Matrix: Water
Analysis Batch: 353952

Client Sample ID: GWC-6
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	1.7		25.0	26.4		mg/L		99	75 - 125	
Magnesium	7.4		25.0	32.3		mg/L		100	75 - 125	
Sodium	9.2		25.0	34.6		mg/L		102	75 - 125	

Lab Sample ID: 180-119604-1 MSD
Matrix: Water
Analysis Batch: 353952

Client Sample ID: GWC-6
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Potassium	1.7		25.0	25.6		mg/L		96	75 - 125	3	20
Magnesium	7.4		25.0	31.5		mg/L		96	75 - 125	2	20
Sodium	9.2		25.0	33.9		mg/L		99	75 - 125	2	20

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QC Sample Results

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

Job ID: 180-119474-1

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

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 13:46	04/21/21 17:05	1
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 13:46	04/21/21 17:05	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 13:46	04/21/21 17:05	1

Lab Sample ID: LCS 180-353680/2-A
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	25.1		mg/L		100	80 - 120
Magnesium	25.0	24.3		mg/L		97	80 - 120
Sodium	25.0	24.6		mg/L		98	80 - 120

Lab Sample ID: 180-118908-C-4-B MS
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	5.1		25.0	29.2		mg/L		97	75 - 125
Magnesium	12		25.0	32.3		mg/L		82	75 - 125
Sodium	93	F1	25.0	83.0	F1	mg/L		-39	75 - 125

Lab Sample ID: 180-118908-C-4-C MSD
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Potassium	5.1		25.0	29.5		mg/L		97	75 - 125	1	20
Magnesium	12		25.0	33.0		mg/L		85	75 - 125	2	20
Sodium	93	F1	25.0	86.5	F1	mg/L		-25	75 - 125	4	20

Lab Sample ID: MB 180-353880/1-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/20/21 17:54	04/23/21 17:43	1
Magnesium	<0.083		0.50	0.083	mg/L		04/20/21 17:54	04/23/21 17:43	1
Sodium	<0.35		0.50	0.35	mg/L		04/20/21 17:54	04/23/21 17:43	1

Lab Sample ID: LCS 180-353880/2-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	25.0	26.4		mg/L		105	80 - 120
Magnesium	25.0	26.3		mg/L		105	80 - 120
Sodium	25.0	26.4		mg/L		106	80 - 120

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QC Sample Results

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

Job ID: 180-119474-1

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

Lab Sample ID: 180-119761-1 MS

Matrix: Water

Analysis Batch: 354448

Client Sample ID: GWC-3

Prep Type: Total Recoverable

Prep Batch: 353880

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Potassium	0.88		25.0	27.3		mg/L		106	75 - 125	
Magnesium	4.0		25.0	30.2		mg/L		105	75 - 125	
Sodium	5.5		25.0	32.0		mg/L		106	75 - 125	

Lab Sample ID: 180-119761-1 MSD

Matrix: Water

Analysis Batch: 354448

Client Sample ID: GWC-3

Prep Type: Total Recoverable

Prep Batch: 353880

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Potassium	0.88		25.0	27.6		mg/L		107	75 - 125		1	20
Magnesium	4.0		25.0	30.4		mg/L		105	75 - 125		1	20
Sodium	5.5		25.0	32.1		mg/L		107	75 - 125		0	20

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-353175/12

Matrix: Water

Analysis Batch: 353175

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 14:34	1

Lab Sample ID: MB 180-353175/36

Matrix: Water

Analysis Batch: 353175

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/21 21:39	1

Lab Sample ID: MB 180-353175/60

Matrix: Water

Analysis Batch: 353175

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1

Lab Sample ID: LCS 180-353175/11

Matrix: Water

Analysis Batch: 353175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Total Alkalinity as CaCO3 to pH 4.5	250	238		mg/L		95	90 - 110	

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QC Sample Results

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

Job ID: 180-119474-1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LCS 180-353175/35
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	229		mg/L		92	90 - 110

Lab Sample ID: LCS 180-353175/59
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	228		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-353175/34
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.5		mg/L		103	90 - 110

Lab Sample ID: LLCS 180-353175/58
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	21.3		mg/L		107	90 - 110

Lab Sample ID: 180-119471-B-1 DU
Matrix: Water
Analysis Batch: 353175

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	120		115		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	120		115		mg/L		3	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: 180-119472-C-1 DU
Matrix: Water
Analysis Batch: 353175

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	190		190		mg/L		0.6	20
Bicarbonate Alkalinity as CaCO3	190		190		mg/L		0.6	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

QC Sample Results

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

Job ID: 180-119474-1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-119474-5 DU
Matrix: Water
Analysis Batch: 353175

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

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	84		83.7		mg/L		0.7	20
Bicarbonate Alkalinity as CaCO3	84		83.7		mg/L		0.7	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: 180-119474-14 DU
Matrix: Water
Analysis Batch: 353175

Client Sample ID: GWC-18
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	78		60.2	F3	mg/L		26	20
Bicarbonate Alkalinity as CaCO3	78		60.2	F3	mg/L		26	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-353358/49
Matrix: Water
Analysis Batch: 353358

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 12:54	1

Lab Sample ID: MB 180-353358/73
Matrix: Water
Analysis Batch: 353358

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1

Lab Sample ID: LCS 180-353358/48
Matrix: Water
Analysis Batch: 353358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: LCS 180-353358/72
Matrix: Water
Analysis Batch: 353358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

QC Sample Results

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

Job ID: 180-119474-1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LLCS 180-353358/71
Matrix: Water
Analysis Batch: 353358

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.3		mg/L		102	90 - 110

Lab Sample ID: 180-119508-B-10 DU
Matrix: Water
Analysis Batch: 353358

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	95		90.7		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	95		90.7		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: 180-119604-1 DU
Matrix: Water
Analysis Batch: 353358

Client Sample ID: GWC-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	74		71.8		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	74		71.8		mg/L		2	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

QC Association Summary

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

Job ID: 180-119474-1

Metals

Prep Batch: 353251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total Recoverable	Water	3005A	
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total Recoverable	Water	3005A	
180-119474-2	GWA-16	Total Recoverable	Water	3005A	
180-119474-3	GWA-17	Total Recoverable	Water	3005A	
180-119474-4	GWC-1	Total Recoverable	Water	3005A	
180-119474-5	GWC-2	Total Recoverable	Water	3005A	
180-119474-6	GWC-5	Total Recoverable	Water	3005A	
180-119474-7	GWC-7	Total Recoverable	Water	3005A	
180-119474-9	GWC-9	Total Recoverable	Water	3005A	
180-119474-10	GWC-10	Total Recoverable	Water	3005A	
180-119474-11	GWC-11	Total Recoverable	Water	3005A	
180-119474-12	GWC-12	Total Recoverable	Water	3005A	
180-119474-13	GWC-14	Total Recoverable	Water	3005A	
180-119474-14	GWC-18	Total Recoverable	Water	3005A	
180-119474-15	EB CELL 1	Total Recoverable	Water	3005A	
180-119474-16	FB CELL 1	Total Recoverable	Water	3005A	
180-119474-17	DUP CELL 1	Total Recoverable	Water	3005A	
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119475-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119475-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-1 MS	GWC-6	Total Recoverable	Water	3005A	
180-119604-1 MSD	GWC-6	Total Recoverable	Water	3005A	

Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	3005A	
180-119604-3	GWC-19	Total Recoverable	Water	3005A	
180-119604-4	GWC-20	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-1	GWC-3	Total Recoverable	Water	3005A	
180-119761-2	GWC-13	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 180-119474-1

Metals (Continued)

Prep Batch: 353880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-1 MS	GWC-3	Total Recoverable	Water	3005A	
180-119761-1 MSD	GWC-3	Total Recoverable	Water	3005A	

Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353251

Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119474-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119474-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119474-4	GWC-1	Total Recoverable	Water	EPA 6020B	353424
180-119474-5	GWC-2	Total Recoverable	Water	EPA 6020B	353424
180-119474-6	GWC-5	Total Recoverable	Water	EPA 6020B	353424
180-119474-7	GWC-7	Total Recoverable	Water	EPA 6020B	353424
180-119474-9	GWC-9	Total Recoverable	Water	EPA 6020B	353424
180-119474-10	GWC-10	Total Recoverable	Water	EPA 6020B	353424
180-119474-11	GWC-11	Total Recoverable	Water	EPA 6020B	353424
180-119474-12	GWC-12	Total Recoverable	Water	EPA 6020B	353424
180-119474-13	GWC-14	Total Recoverable	Water	EPA 6020B	353424
180-119474-14	GWC-18	Total Recoverable	Water	EPA 6020B	353424
180-119474-15	EB CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119474-16	FB CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119474-17	DUP CELL 1	Total Recoverable	Water	EPA 6020B	353424
180-119604-1	GWC-6	Total Recoverable	Water	EPA 6020B	353428
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
180-119475-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353424
180-119475-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353424
180-119604-1 MS	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-1 MSD	GWC-6	Total Recoverable	Water	EPA 6020B	353428

Analysis Batch: 354110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	EPA 6020B	353680
180-119604-3	GWC-19	Total Recoverable	Water	EPA 6020B	353680
180-119604-4	GWC-20	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353680

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QC Association Summary

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

Job ID: 180-119474-1

Metals

Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-1	GWC-3	Total Recoverable	Water	EPA 6020B	353880
180-119761-2	GWC-13	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-1 MS	GWC-3	Total Recoverable	Water	EPA 6020B	353880
180-119761-1 MSD	GWC-3	Total Recoverable	Water	EPA 6020B	353880

General Chemistry

Analysis Batch: 353175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total/NA	Water	SM2320 B	
180-119474-2	GWA-16	Total/NA	Water	SM2320 B	
180-119474-3	GWA-17	Total/NA	Water	SM2320 B	
180-119474-4	GWC-1	Total/NA	Water	SM2320 B	
180-119474-5	GWC-2	Total/NA	Water	SM2320 B	
180-119474-6	GWC-5	Total/NA	Water	SM2320 B	
180-119474-7	GWC-7	Total/NA	Water	SM2320 B	
180-119474-9	GWC-9	Total/NA	Water	SM2320 B	
180-119474-10	GWC-10	Total/NA	Water	SM2320 B	
180-119474-11	GWC-11	Total/NA	Water	SM2320 B	
180-119474-12	GWC-12	Total/NA	Water	SM2320 B	
180-119474-13	GWC-14	Total/NA	Water	SM2320 B	
180-119474-14	GWC-18	Total/NA	Water	SM2320 B	
180-119474-15	EB CELL 1	Total/NA	Water	SM2320 B	
180-119474-16	FB CELL 1	Total/NA	Water	SM2320 B	
180-119474-17	DUP CELL 1	Total/NA	Water	SM2320 B	
180-119484-1	GWC-4	Total/NA	Water	SM2320 B	
MB 180-353175/12	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353175/36	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353175/60	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353175/11	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353175/35	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353175/59	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/34	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/58	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119471-B-1 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119472-C-1 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119474-5 DU	GWC-2	Total/NA	Water	SM2320 B	
180-119474-14 DU	GWC-18	Total/NA	Water	SM2320 B	

Analysis Batch: 353358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	SM2320 B	
180-119604-2	GWC-8A	Total/NA	Water	SM2320 B	
180-119604-3	GWC-19	Total/NA	Water	SM2320 B	
180-119604-4	GWC-20	Total/NA	Water	SM2320 B	
180-119761-1	GWC-3	Total/NA	Water	SM2320 B	
180-119761-2	GWC-13	Total/NA	Water	SM2320 B	
MB 180-353358/49	Method Blank	Total/NA	Water	SM2320 B	
MB 180-353358/73	Method Blank	Total/NA	Water	SM2320 B	

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QC Association Summary

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

Job ID: 180-119474-1

General Chemistry (Continued)

Analysis Batch: 353358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-353358/48	Lab Control Sample	Total/NA	Water	SM2320 B	
LCS 180-353358/72	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353358/71	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119508-B-10 DU	Duplicate	Total/NA	Water	SM2320 B	
180-119604-1 DU	GWC-6	Total/NA	Water	SM2320 B	

Field Service / Mobile Lab

Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119484-1	GWC-4	Total/NA	Water	Field Sampling	

Analysis Batch: 352062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119474-1	GWA-15	Total/NA	Water	Field Sampling	
180-119474-2	GWA-16	Total/NA	Water	Field Sampling	
180-119474-3	GWA-17	Total/NA	Water	Field Sampling	
180-119474-4	GWC-1	Total/NA	Water	Field Sampling	
180-119474-5	GWC-2	Total/NA	Water	Field Sampling	
180-119474-6	GWC-5	Total/NA	Water	Field Sampling	
180-119474-7	GWC-7	Total/NA	Water	Field Sampling	
180-119474-9	GWC-9	Total/NA	Water	Field Sampling	
180-119474-10	GWC-10	Total/NA	Water	Field Sampling	
180-119474-11	GWC-11	Total/NA	Water	Field Sampling	
180-119474-12	GWC-12	Total/NA	Water	Field Sampling	
180-119474-13	GWC-14	Total/NA	Water	Field Sampling	
180-119474-14	GWC-18	Total/NA	Water	Field Sampling	

Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	Field Sampling	
180-119604-2	GWC-8A	Total/NA	Water	Field Sampling	
180-119604-3	GWC-19	Total/NA	Water	Field Sampling	
180-119604-4	GWC-20	Total/NA	Water	Field Sampling	
180-119761-1	GWC-3	Total/NA	Water	Field Sampling	
180-119761-2	GWC-13	Total/NA	Water	Field Sampling	

Regulatory Program: DW NPDES RCRA Other:

Client Contact: Jojo Abraham, Southern Company, 241 Ralph McGill Blvd SE B10185, Atlanta, GA 30308, JAbraham@southernco.com, Project Name: CCR - Cell 1 Major Ions, Site: Georgia, P O # 18019884

Project Manager: Dawn Prell, Tel/Fax: 248-536-5445

Site Contact: Dawn Prell, Lab Contact: Shali Brown

Date: 4.1.2021, Carrier: _____

Analysis Turnaround Time: CALENDAR DAYS WORKING DAYS

TAT if different from Below: 3-5 days, 2 weeks, 1 week, 2 days, 1 day

Barcode: 180-119474 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes
						Y	N	Y	N			
GWA-15	4/1/2021	9:51	G	GW	4	X		X			X	pH= 5.31
GWA-16	4/1/2021	10:46	G	GW	4	X		X			X	pH= 6.44
GWA-17	4/1/2021	13:25	G	GW	4	X		X			X	pH= 6.14
GWC-1	4/1/2021	15:52	G	GW	4	X		X			X	pH= 6.52
GWC-2	4/1/2021	16:16	G	GW	4	X		X			X	pH= 7.32
GWC-5	4/1/2021	14:20	G	GW	4	X		X			X	pH= 6.01
GWC-7	4/1/2021	14:35	G	GW	4	X		X			X	pH= 6.40
GWC-8A	4/1/2021	13:13	G	GW	4	X		X			X	pH= 6.28
GWC-9	4/1/2021	12:08	G	GW	4	X		X			X	pH= 6.28
GWC-10	4/1/2021	16:23	G	GW	4	X		X			X	pH= 6.35
GWC-11	4/1/2021	13:39	G	GW	4	X		X			X	pH= 6.11
GWC-12	4/1/2021	12:21	G	GW	4	X		X			X	pH= 5.18
						1	4					

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

Possible Hazard Identification: _____

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

Special Instructions/QC Requirements & Comments: _____

Return to Client Disposal by Lab Archive for _____ Months

Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Therm ID No.:	
Relinquished by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Date/Time: [Signature]	Date/Time: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Date/Time: [Signature]	Date/Time: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Date/Time: [Signature]	Date/Time: [Signature]

Regulatory Program: DW NPDES RCRA Other:


Client Contact: Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 JAbraham@southernco.com
 Project Name: CCR - Cell 1 Major Ions
 Site: Georgia
 P O # 18019884

Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445
 Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below ___ 3-5 days ___
 2 weeks
 1 week
 2 days
 1 day

Site Contact: Dawn Prell
 Lab Contact: Shali Brown

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
GWC-4	4/2/2021	11:46	G	GW	4			X	X	pH= 6.35

180-119484 Chain of Custody



1 4

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

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

Non-Hazard Flammable Poison B Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company	Received in Laboratory:	Date/Time	Company
<i>[Signature]</i>	4/2/21	Golden Ass	<i>[Signature]</i>	4/2/21	ETA	<i>[Signature]</i>	4/3/21	ETA
<i>[Signature]</i>	4/2/21	Golden Ass	<i>[Signature]</i>	4/2/21	ETA	<i>[Signature]</i>	4/3/21	ETA



TestAmerica Pittsburgh

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

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com Project Name: CCR - Plant Scherer Cell 1 Major Ions Site: Georgia P O #		Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		Project Manager: Dawn Prell Tel/Fax: 248-536-5445		Site Contact: Dawn Prell Lab Contact: Shaili Brown		Date: 4.5.2021 Carrier:		COC No.: 1 of 1 COCs	
Analysis Turnaround Time <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: 3-5 days		Sample Type (C=Comp, G=Grab)		Sample Time		Matrix		# of Cont.		Sample Specific Notes:	
GWC-6		G		16:42		GW		4		pH= 6.36	
GWC-8A		G		12:54		GW		4		pH= 6.35	
GWC-19		G		12:50		GW		4		pH= 6.37	
GWC-20		G		11:50		GW		4		pH= 6.64	
Sample Identification		Sample Date		Sample Time		Matrix		# of Cont.		Sample Specific Notes:	
GWC-6		4/5/2021		16:42		GW		4		pH= 6.36	
GWC-8A		4/5/2021		12:54		GW		4		pH= 6.35	
GWC-19		4/5/2021		12:50		GW		4		pH= 6.37	
GWC-20		4/5/2021		11:50		GW		4		pH= 6.64	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other		Sample Disposal: (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> Return to Client		<input type="checkbox"/> Disposal by Lab		<input type="checkbox"/> Archive for _____ Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> 5		<input type="checkbox"/> 1		<input type="checkbox"/> 4		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Special Instructions/QC Requirements & Comments:		Custody Seal No.:		Company:		Date/Time:		Received by:		Company:	
Relinquished by: <i>Jan 2021</i>		Relinquished by: <i>Goldner</i>		Relinquished by: <i>Goldner</i>		Relinquished by: <i>Goldner</i>		Relinquished by: <i>Goldner</i>		Relinquished by: <i>Goldner</i>	
Relinquished by: <i>Ray</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>	
Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>		Relinquished by: <i>ETA</i>	

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



TestAmerica Pittsburgh

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

Chain of Custody Record



TestAmerica Laboratories, Inc.

Client Contact Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com Project Name: CCR - Plant Scherer Cell 1 Major Ions Site: Georgia P O #		Regulatory Program: <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:		Project Manager: Dawn Prell Tell/Fax: 248-536-5445 Analysis Turnaround Time <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below ___ 3-5 days ___ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: Dawn Prell Lab Contact: Shali Brown Filtered Sample (Y/N) _____ Perform MS / MSD (Y / N) _____ Bicarbonate/carbonate Alkalinity _____ K, Na, Mg _____		Date: 4.6.2021 Carrier: _____ COC No: _____ of _____ COCs			
Sample Identification GWC-3 GWC-13		Sample Date 4/6/2021 4/6/2021		Sample Time 11:46 15:00		Sample Type (C=Comp, G=Grab) G G		Matrix GW GW		# of Cont. 4 4	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ Possible Hazard Identification: _____ Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.											
Special Instructions/QC Requirements & Comments: _____ <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months											
Cooler Temp. (°C): Obs'd: _____ Received by: <i>Blaine Cook</i> Date/Time: <i>4-7-21 09:00</i> Received by: <i>Sev</i> Date/Time: <i>4/21/2021</i> Received in laboratory of: <i>ETA/PT/4</i> Date/Time: <i>4-9-21 9:50</i>											



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

Login Number: 119474

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

Login Number: 119484

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

Login Number: 119604

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Abernathy, Eric

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119474-1

Login Number: 119761

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



ANALYTICAL REPORT

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

Laboratory Job ID: 180-119475-1
Client Project/Site: Plant Scherer Cell 1
Revision: 1

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

Attn: Joju Abraham



Authorized for release by:
5/14/2021 3:07:19 PM

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

LINKS

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

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

PA Lab ID: 02-00416



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Case Narrative

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

Job ID: 180-119475-1

Job ID: 180-119475-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative 180-119475-1

Comments

051421 Revised report to remove the following sample at client request because it was collected twice: GWC-8A (180-119475-8). April 1st collection results not needed. This report replaces the report previously issued on 042721.

Receipt

The samples were received on 4/3/2021 10:45 AM and 4/8/2021 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 2.9° C, 2.9° C, 2.9° C, 2.9° C, 3.6° C, 3.7° C, 3.7° C, 3.8° C, 3.8° C, 3.8° C and 3.8° C.

Receipt Exceptions

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

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): EB CELL 1 (180-119475-15). The container labels list a sample collection time of 14:05, while the COC lists 13:39. The time on the COC was used.

GC Semi VOA

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

Metals

Methods 200.8, 6020A, 6020B: The low level continuing calibration verification (CCVL) associated with batch 180-353952 recovered above the upper control limit for lead. The samples associated with this CCVL were 10X the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-354323 recovered above the upper control limit for boron. The samples associated with this CCV less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-2 (180-119475-5), GWC-7 (180-119475-7), GWC-10 (180-119475-10), GWC-11 (180-119475-11), (LCS 180-353427/2-A) and (MB 180-353427/1-A).

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-353602 and analytical batch 180-353846 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Field Service / Mobile Lab

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

General Chemistry

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

Definitions/Glossary

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

Job ID: 180-119475-1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119475-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

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

Job ID: 180-119475-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119475-1	GWA-15	Water	04/01/21 09:51	04/03/21 10:45	
180-119475-2	GWA-16	Water	04/01/21 10:46	04/03/21 10:45	
180-119475-3	GWA-17	Water	04/01/21 13:25	04/03/21 10:45	
180-119475-4	GWC-1	Water	04/01/21 15:52	04/03/21 10:45	
180-119475-5	GWC-2	Water	04/01/21 16:16	04/03/21 10:45	
180-119475-6	GWC-5	Water	04/01/21 14:20	04/03/21 10:45	
180-119475-7	GWC-7	Water	04/01/21 14:35	04/03/21 10:45	
180-119475-9	GWC-9	Water	04/01/21 12:08	04/03/21 10:45	
180-119475-10	GWC-10	Water	04/01/21 16:23	04/03/21 10:45	
180-119475-11	GWC-11	Water	04/01/21 13:39	04/03/21 10:45	
180-119475-12	GWC-12	Water	04/01/21 12:21	04/03/21 10:45	
180-119475-13	GWC-14	Water	04/01/21 10:47	04/03/21 10:45	
180-119475-14	GWC-18	Water	04/01/21 11:57	04/03/21 10:45	
180-119475-15	EB CELL 1	Water	04/01/21 13:39	04/03/21 10:45	
180-119475-16	FB CELL 1	Water	04/01/21 12:45	04/03/21 10:45	
180-119475-17	DUP CELL 1	Water	04/01/21 00:00	04/03/21 10:45	
180-119485-1	GWC-4	Water	04/02/21 11:46	04/03/21 10:45	
180-119760-1	GWC-3	Water	04/06/21 11:46	04/08/21 09:00	
180-119760-2	GWC-13	Water	04/06/21 15:00	04/08/21 09:00	

Method Summary

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

Job ID: 180-119475-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWA-15
Date Collected: 04/01/21 09:51
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-1
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			352844	04/13/21 16:56	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 13:50	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354281	04/22/21 10:59	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:00	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 09:51	FDS	TAL PIT

Client Sample ID: GWA-16
Date Collected: 04/01/21 10:46
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-2
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			352844	04/13/21 20:22	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: DORY		1			353952	04/20/21 13:53	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354281	04/22/21 11:01	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:01	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 10:46	FDS	TAL PIT

Client Sample ID: GWA-17
Date Collected: 04/01/21 13:25
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 20:54	EPS	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWA-17
Date Collected: 04/01/21 13:25
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353952	04/20/21 13:57	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353424	04/16/21 13:11	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:04	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:02	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352456	04/08/21 18:48	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 13:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-1
Date Collected: 04/01/21 15:52
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 21:41	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 19:57	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 15:05	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:06	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 15:52	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-2
Date Collected: 04/01/21 16:16
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 20:38	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:01	RSK	TAL PIT
Instrument ID: A										

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Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWC-2

Date Collected: 04/01/21 16:16

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:07	KHM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 16:16	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-5

Date Collected: 04/01/21 14:20

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 17:59	EPS	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:05	RSK	TAL PIT
		Instrument ID: A								
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 15:12	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:08	KHM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:20	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-7

Date Collected: 04/01/21 14:35

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 18:47	EPS	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:08	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Prep	7470A			50 mL	50 mL	353601	04/19/21 08:45	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:09	KHM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
		Instrument ID: NOEQUIP								

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Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWC-7

Date Collected: 04/01/21 14:35

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 14:35	FDS	TAL PIT

Client Sample ID: GWC-9

Date Collected: 04/01/21 12:08

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 20:06	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:15	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 15:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:28	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 12:08	FDS	TAL PIT

Client Sample ID: GWC-10

Date Collected: 04/01/21 16:23

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 19:50	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:19	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:32	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 16:23	FDS	TAL PIT

Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWC-11

Lab Sample ID: 180-119475-11

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 19:03	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:23	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:33	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 13:39	FDS	TAL PIT

Client Sample ID: GWC-12

Lab Sample ID: 180-119475-12

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:49	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:33	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:34	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/01/21 12:21	FDS	TAL PIT

Client Sample ID: GWC-14

Lab Sample ID: 180-119475-13

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			352844	04/13/21 23:33	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354323	04/22/21 20:37	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:35	KHM	TAL PIT

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Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWC-14

Date Collected: 04/01/21 10:47

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 10:47	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-18

Date Collected: 04/01/21 11:57

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 22:13	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:41	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:36	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352098	04/01/21 11:57	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: EB CELL 1

Date Collected: 04/01/21 13:39

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 23:01	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:44	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:38	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: FB CELL 1

Date Collected: 04/01/21 12:45

Date Received: 04/03/21 10:45

Lab Sample ID: 180-119475-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 23:17	EPS	TAL PIT
Instrument ID: CHIC2100A										

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Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: FB CELL 1

Lab Sample ID: 180-119475-16

Date Collected: 04/01/21 12:45

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:48	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:39	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: DUP CELL 1

Lab Sample ID: 180-119475-17

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352844	04/13/21 21:57	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353427	04/16/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354323	04/22/21 20:51	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 11:40	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352457	04/08/21 18:52	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-4

Lab Sample ID: 180-119485-1

Date Collected: 04/02/21 11:46

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352646	04/10/21 17:58	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 13:29	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353251	04/15/21 14:53	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 13:29	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353605	04/19/21 08:56	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:08	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352049	04/02/21 11:46	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119475-1

Client Sample ID: GWC-3

Lab Sample ID: 180-119760-1

Date Collected: 04/06/21 11:46

Matrix: Water

Date Received: 04/08/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	352845	04/14/21 07:58	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:29	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 15:31	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 15:31	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:25	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/06/21 11:46	FDS	TAL PIT

Client Sample ID: GWC-13

Lab Sample ID: 180-119760-2

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/08/21 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	352845	04/14/21 08:14	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:47	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 15:34	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 15:34	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:26	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/06/21 15:00	FDS	TAL PIT

Laboratory References:

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

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119475-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

DLL = Debbie Lowe

MM1 = Mary Beth Miller

TJO = Tyler Oliver

Batch Type: Analysis

EPS = Evan Scheuer

FDS = Sampler Field

GRB = Gabriel Berghe

KHM = Kyle Mucroski

KMM = Kendric Moore

RSK = Robert Kurtz

SAT = Stephen Tallam

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Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWA-15

Lab Sample ID: 180-119475-1

Date Collected: 04/01/21 09:51

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.0		1.0	0.71	mg/L			04/13/21 16:56	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 16:56	1
Sulfate	2.7		1.0	0.76	mg/L			04/13/21 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:50	1
Barium	0.0092	J	0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:50	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 10:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:50	1
Calcium	4.0		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:50	1
Cobalt	0.0024	J	0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:50	1
Nickel	0.00049	J	0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:50	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:50	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			04/08/21 18:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.31				SU			04/01/21 09:51	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWA-16

Lab Sample ID: 180-119475-2

Date Collected: 04/01/21 10:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/13/21 20:22	1
Fluoride	0.035	J	0.10	0.026	mg/L			04/13/21 20:22	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:53	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:53	1
Barium	0.024		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:53	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:53	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 11:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:53	1
Calcium	12		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:53	1
Chromium	0.0053		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Cobalt	0.00014	J	0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:53	1
Copper	0.00074	J	0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:53	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:53	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:53	1
Vanadium	0.0078		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:53	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:53	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			04/08/21 18:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			04/01/21 10:46	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWA-17

Lab Sample ID: 180-119475-3

Date Collected: 04/01/21 13:25

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.5		1.0	0.71	mg/L			04/13/21 20:54	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/13/21 20:54	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 13:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 13:57	1
Barium	0.029		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 13:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 13:57	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 11:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 13:57	1
Calcium	7.8		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 13:57	1
Chromium	0.0082		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 13:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 13:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 13:57	1
Nickel	0.00040	J	0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 13:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 13:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 13:57	1
Vanadium	0.0050		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 13:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 13:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	68		10	10	mg/L			04/08/21 18:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.14				SU			04/01/21 13:25	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-1

Lab Sample ID: 180-119475-4

Date Collected: 04/01/21 15:52

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.2		1.0	0.71	mg/L			04/13/21 21:41	1
Fluoride	0.081	J	0.10	0.026	mg/L			04/13/21 21:41	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 19:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 19:57	1
Barium	0.047		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 19:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 19:57	1
Boron	0.053	J	0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 19:57	1
Calcium	18		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 19:57	1
Chromium	0.014		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 19:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 19:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 19:57	1
Nickel	0.00073	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 19:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 19:57	1
Thallium	0.00027	J B	0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 19:57	1
Vanadium	0.019		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 19:57	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 19:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.52				SU			04/01/21 15:52	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-2

Lab Sample ID: 180-119475-5

Date Collected: 04/01/21 16:16

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5		1.0	0.71	mg/L			04/13/21 20:38	1
Fluoride	0.043	J	0.10	0.026	mg/L			04/13/21 20:38	1
Sulfate	1.1		1.0	0.76	mg/L			04/13/21 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0013	J	0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:01	1
Barium	0.044		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:01	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:01	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:01	1
Cadmium	0.00038	J	0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:01	1
Calcium	17		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:01	1
Chromium	0.0057		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:01	1
Copper	0.00069	J	0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:01	1
Nickel	0.0022		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:01	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:01	1
Vanadium	0.014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:01	1
Zinc	0.010		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:01	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.32				SU			04/01/21 16:16	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-5

Lab Sample ID: 180-119475-6

Date Collected: 04/01/21 14:20

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18		1.0	0.71	mg/L			04/13/21 17:59	1
Fluoride	0.029	J	0.10	0.026	mg/L			04/13/21 17:59	1
Sulfate	100		1.0	0.76	mg/L			04/13/21 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:05	1
Barium	0.040		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:05	1
Boron	0.23		0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:05	1
Calcium	40		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:05	1
Chromium	0.0058		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:05	1
Nickel	0.00042	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:05	1
Selenium	0.0065		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:05	1
Vanadium	0.0027		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/01/21 14:20	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-7

Lab Sample ID: 180-119475-7

Date Collected: 04/01/21 14:35

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			04/13/21 18:47	1
Fluoride	0.072	J	0.10	0.026	mg/L			04/13/21 18:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:08	1
Barium	0.036		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:08	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:08	1
Calcium	15		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:08	1
Chromium	0.0091		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:08	1
Copper	0.00094	J	0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:08	1
Nickel	0.00036	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:08	1
Vanadium	0.014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.40				SU			04/01/21 14:35	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-9

Lab Sample ID: 180-119475-9

Date Collected: 04/01/21 12:08

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		1.0	0.71	mg/L			04/13/21 20:06	1
Fluoride	0.072	J	0.10	0.026	mg/L			04/13/21 20:06	1
Sulfate	9.7		1.0	0.76	mg/L			04/13/21 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:15	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:15	1
Barium	0.018		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:15	1
Boron	0.059	J	0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:15	1
Calcium	16		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:15	1
Chromium	0.0018	J	0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:15	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:15	1
Nickel	0.00058	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:15	1
Vanadium	0.0095		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:15	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:15	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.28				SU			04/01/21 12:08	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-10

Lab Sample ID: 180-119475-10

Date Collected: 04/01/21 16:23

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.4		1.0	0.71	mg/L			04/13/21 19:50	1
Fluoride	0.086	J	0.10	0.026	mg/L			04/13/21 19:50	1
Sulfate	2.7		1.0	0.76	mg/L			04/13/21 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:19	1
Barium	0.034		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:19	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:19	1
Calcium	19		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:19	1
Chromium	0.020		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:19	1
Nickel	0.0012		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:19	1
Vanadium	0.013		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/01/21 16:23	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-11

Lab Sample ID: 180-119475-11

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		1.0	0.71	mg/L			04/13/21 19:03	1
Fluoride	0.042	J	0.10	0.026	mg/L			04/13/21 19:03	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:23	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:23	1
Barium	0.018		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:23	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:23	1
Calcium	13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:23	1
Chromium	0.0078		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:23	1
Nickel	0.00065	J	0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:23	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:23	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:23	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:23	1
Zinc	0.0034	J	0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:23	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	90		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.11				SU			04/01/21 13:39	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-12

Lab Sample ID: 180-119475-12

Date Collected: 04/01/21 12:21

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.71	mg/L			04/13/21 23:49	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:49	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:33	1
Barium	0.018		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:33	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:33	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:33	1
Calcium	1.2		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:33	1
Chromium	0.0015 J		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:33	1
Cobalt	0.00028 J		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:33	1
Nickel	0.00065 J		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:33	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:33	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	17		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.18				SU			04/01/21 12:21	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-14

Lab Sample ID: 180-119475-13

Date Collected: 04/01/21 10:47

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.8		1.0	0.71	mg/L			04/13/21 23:33	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:33	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:37	1
Barium	0.0095	J	0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:37	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:37	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:37	1
Calcium	6.2		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:37	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:37	1
Vanadium	0.0013		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:37	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:37	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	43		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.53				SU			04/01/21 10:47	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-18

Lab Sample ID: 180-119475-14

Date Collected: 04/01/21 11:57

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8		1.0	0.71	mg/L			04/13/21 22:13	1
Fluoride	0.041	J	0.10	0.026	mg/L			04/13/21 22:13	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:41	1
Barium	0.035		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:41	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:41	1
Calcium	11		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:41	1
Chromium	0.014		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:41	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:41	1
Vanadium	0.0081		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:41	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	62		10	10	mg/L			04/08/21 18:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/01/21 11:57	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: EB CELL 1

Lab Sample ID: 180-119475-15

Date Collected: 04/01/21 13:39

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 23:01	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:01	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:44	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:44	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:44	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:44	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:44	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:44	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:44	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:44	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:44	1
Vanadium	0.0012		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:44	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:44	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: FB CELL 1

Lab Sample ID: 180-119475-16

Date Collected: 04/01/21 12:45

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 23:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 23:17	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:48	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:48	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:48	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:48	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:48	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:48	1
Vanadium	0.0012		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:48	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: DUP CELL 1

Lab Sample ID: 180-119475-17

Date Collected: 04/01/21 00:00

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.8		1.0	0.71	mg/L			04/13/21 21:57	1
Fluoride	0.092	J	0.10	0.026	mg/L			04/13/21 21:57	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 20:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 20:51	1
Barium	0.0099	J	0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 20:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 20:51	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/22/21 20:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 20:51	1
Calcium	6.2		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 20:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 20:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 20:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 20:51	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 20:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 20:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 20:51	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 20:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 20:51	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	45		10	10	mg/L			04/08/21 18:52	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-4

Lab Sample ID: 180-119485-1

Date Collected: 04/02/21 11:46

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/10/21 17:58	1
Fluoride	0.097	J	0.10	0.026	mg/L			04/10/21 17:58	1
Sulfate	4.6		1.0	0.76	mg/L			04/10/21 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:53	04/20/21 13:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 13:29	1
Barium	0.047		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 13:29	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 13:29	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 13:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 13:29	1
Calcium	15		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 13:29	1
Chromium	0.0052		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Cobalt	0.00026	J	0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 13:29	1
Copper	0.0012	J	0.0020	0.00063	mg/L		04/15/21 14:53	04/20/21 13:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 13:29	1
Nickel	0.0012		0.0010	0.00034	mg/L		04/15/21 14:53	04/20/21 13:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:53	04/20/21 13:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 13:29	1
Vanadium	0.0081		0.0010	0.00099	mg/L		04/15/21 14:53	04/20/21 13:29	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:53	04/20/21 13:29	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			04/09/21 17:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/02/21 11:46	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-3

Lab Sample ID: 180-119760-1

Date Collected: 04/06/21 11:46

Matrix: Water

Date Received: 04/08/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.9		1.0	0.71	mg/L			04/14/21 07:58	1
Fluoride	0.045	J	0.10	0.026	mg/L			04/15/21 13:29	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 07:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 15:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 15:31	1
Barium	0.014		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 15:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 15:31	1
Boron	0.078	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 15:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 15:31	1
Calcium	7.4		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 15:31	1
Chromium	0.0074		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Cobalt	0.00031	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 15:31	1
Copper	0.00088	J	0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 15:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 15:31	1
Nickel	0.0018		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 15:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 15:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 15:31	1
Vanadium	0.0075		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 15:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 15:31	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	81		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.01				SU			04/06/21 11:46	1

Client Sample Results

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

Job ID: 180-119475-1

Client Sample ID: GWC-13

Lab Sample ID: 180-119760-2

Date Collected: 04/06/21 15:00

Matrix: Water

Date Received: 04/08/21 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/14/21 08:14	1
Fluoride	0.026	J	0.10	0.026	mg/L			04/15/21 13:47	1
Sulfate	0.90	J	1.0	0.76	mg/L			04/14/21 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 15:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 15:34	1
Barium	0.038		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 15:34	1
Boron	0.056	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 15:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 15:34	1
Calcium	7.4		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 15:34	1
Chromium	0.0061		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 15:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 15:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 15:34	1
Nickel	0.00053	J	0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 15:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 15:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 15:34	1
Vanadium	0.0028		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 15:34	1
Zinc	0.0040	J	0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 15:34	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.95				SU			04/06/21 15:00	1

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-352646/6
Matrix: Water
Analysis Batch: 352646

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/10/21 08:38	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/21 08:38	1
Sulfate	<0.76		1.0	0.76	mg/L			04/10/21 08:38	1

Lab Sample ID: LCS 180-352646/5
Matrix: Water
Analysis Batch: 352646

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.1		mg/L		92	90 - 110
Fluoride	2.50	2.39		mg/L		96	90 - 110
Sulfate	50.0	45.2		mg/L		90	90 - 110

Lab Sample ID: 180-119375-A-6 MS
Matrix: Water
Analysis Batch: 352646

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36		50.0	83.4		mg/L		95	90 - 110
Fluoride	0.081	J	2.50	2.52		mg/L		98	90 - 110
Sulfate	18		50.0	66.4		mg/L		96	90 - 110

Lab Sample ID: 180-119375-A-6 MSD
Matrix: Water
Analysis Batch: 352646

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	36		50.0	85.5		mg/L		99	90 - 110	3	20
Fluoride	0.081	J	2.50	2.65		mg/L		103	90 - 110	5	20
Sulfate	18		50.0	69.0		mg/L		102	90 - 110	4	20

Lab Sample ID: MB 180-352844/6
Matrix: Water
Analysis Batch: 352844

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 08:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 08:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 08:36	1

Lab Sample ID: LCS 180-352844/5
Matrix: Water
Analysis Batch: 352844

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.0		mg/L		96	90 - 110
Fluoride	2.50	2.54		mg/L		101	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

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QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: 180-119475-1 MS
Matrix: Water
Analysis Batch: 352844

Client Sample ID: GWA-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.0		50.0	57.6		mg/L		101	90 - 110
Fluoride	<0.026		2.50	2.54		mg/L		102	90 - 110
Sulfate	2.7		50.0	53.9		mg/L		102	90 - 110

Lab Sample ID: 180-119475-1 MSD
Matrix: Water
Analysis Batch: 352844

Client Sample ID: GWA-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.0		50.0	57.1		mg/L		100	90 - 110	1	20
Fluoride	<0.026		2.50	2.61		mg/L		104	90 - 110	3	20
Sulfate	2.7		50.0	53.1		mg/L		101	90 - 110	2	20

Lab Sample ID: 180-119475-3 MS
Matrix: Water
Analysis Batch: 352844

Client Sample ID: GWA-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.5		50.0	51.6		mg/L		100	90 - 110
Fluoride	0.042	J	2.50	2.60		mg/L		102	90 - 110
Sulfate	<0.76		50.0	50.4		mg/L		101	90 - 110

Lab Sample ID: 180-119475-3 MSD
Matrix: Water
Analysis Batch: 352844

Client Sample ID: GWA-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.5		50.0	47.7		mg/L		93	90 - 110	8	20
Fluoride	0.042	J	2.50	2.47		mg/L		97	90 - 110	5	20
Sulfate	<0.76		50.0	46.4		mg/L		93	90 - 110	8	20

Lab Sample ID: MB 180-352845/29
Matrix: Water
Analysis Batch: 352845

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 22:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:36	1

Lab Sample ID: LCS 180-352845/28
Matrix: Water
Analysis Batch: 352845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.9		mg/L		98	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: 180-119577-D-1 MS
Matrix: Water
Analysis Batch: 352845

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.6		50.0	51.7		mg/L		100	90 - 110
Sulfate	8.6		50.0	57.3		mg/L		97	90 - 110

Lab Sample ID: 180-119577-D-1 MSD
Matrix: Water
Analysis Batch: 352845

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.6		50.0	51.5		mg/L		100	90 - 110	0	20
Sulfate	8.6		50.0	57.8		mg/L		98	90 - 110	1	20

Lab Sample ID: MB 180-353150/6
Matrix: Water
Analysis Batch: 353150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 09:55	1

Lab Sample ID: LCS 180-353150/5
Matrix: Water
Analysis Batch: 353150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.53		mg/L		101	90 - 110

Lab Sample ID: 180-119473-C-1 MS
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.078	J F1	2.50	2.28	F1	mg/L		88	90 - 110

Lab Sample ID: 180-119473-C-1 MSD
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.078	J F1	2.50	2.36		mg/L		91	90 - 110	3	20

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

Lab Sample ID: MB 180-353251/1-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:53	04/20/21 12:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:53	04/20/21 12:21	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:53	04/20/21 12:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:53	04/20/21 12:21	1

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QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-353251/1-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:53	04/20/21 12:21	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:53	04/20/21 12:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:53	04/20/21 12:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:53	04/20/21 12:21	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/15/21 14:53	04/20/21 12:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:53	04/20/21 12:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:53	04/20/21 12:21	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/15/21 14:53	04/20/21 12:21	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:53	04/20/21 12:21	1

Lab Sample ID: LCS 180-353251/2-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.241		mg/L		96	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.14		mg/L		91	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	28.3		mg/L		113	80 - 120
Chromium	0.500	0.504		mg/L		101	80 - 120
Cobalt	0.500	0.530		mg/L		106	80 - 120
Copper	0.500	0.521		mg/L		104	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.520		mg/L		104	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.254		mg/L		102	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120
Vanadium	0.500	0.510		mg/L		102	80 - 120
Zinc	0.250	0.263		mg/L		105	80 - 120

Lab Sample ID: 180-119479-C-1-B MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	1.06		mg/L		106	75 - 125
Barium	0.12		1.00	1.13		mg/L		100	75 - 125
Beryllium	<0.00018		0.500	0.527		mg/L		105	75 - 125
Boron	<0.039		1.25	1.15		mg/L		92	75 - 125
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125
Calcium	11		25.0	39.2		mg/L		114	75 - 125

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QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: 180-119479-C-1-B MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.529		mg/L		106	75 - 125
Copper	<0.00063		0.500	0.523		mg/L		105	75 - 125
Lead	<0.00013		0.500	0.509		mg/L		102	75 - 125
Nickel	<0.00034		0.500	0.517		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00023	J	1.00	1.09		mg/L		109	75 - 125
Vanadium	0.0029		0.500	0.509		mg/L		101	75 - 125

Lab Sample ID: 180-119479-C-1-C MSD
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125	0	20
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	3	20
Barium	0.12		1.00	1.13		mg/L		101	75 - 125	1	20
Beryllium	<0.00018		0.500	0.519		mg/L		104	75 - 125	2	20
Boron	<0.039		1.25	1.18		mg/L		95	75 - 125	3	20
Cadmium	<0.00022		0.500	0.501		mg/L		100	75 - 125	0	20
Calcium	11		25.0	39.1		mg/L		114	75 - 125	0	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	0	20
Cobalt	<0.00013		0.500	0.518		mg/L		104	75 - 125	2	20
Copper	<0.00063		0.500	0.512		mg/L		102	75 - 125	2	20
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125	0	20
Nickel	<0.00034		0.500	0.509		mg/L		102	75 - 125	1	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125	2	20
Thallium	0.00023	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	0.0029		0.500	0.508		mg/L		101	75 - 125	0	20

Lab Sample ID: MB 180-353424/2-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:11	04/20/21 12:24	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:11	04/20/21 12:24	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:11	04/20/21 12:24	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:11	04/20/21 12:24	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:11	04/20/21 12:24	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:11	04/20/21 12:24	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:11	04/20/21 12:24	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:11	04/20/21 12:24	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:11	04/20/21 12:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:11	04/20/21 12:24	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:11	04/20/21 12:24	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:11	04/20/21 12:24	1

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QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-353424/2-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:11	04/20/21 12:24	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/16/21 13:11	04/20/21 12:24	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:11	04/20/21 12:24	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:11	04/20/21 12:24	1

Lab Sample ID: MB 180-353424/2-A
Matrix: Water
Analysis Batch: 354281

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:11	04/22/21 10:53	1

Lab Sample ID: LCS 180-353424/1-A
Matrix: Water
Analysis Batch: 353952

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.229		mg/L		92	80 - 120
Arsenic	1.00	0.966		mg/L		97	80 - 120
Barium	1.00	0.975		mg/L		97	80 - 120
Beryllium	0.500	0.495		mg/L		99	80 - 120
Cadmium	0.500	0.480		mg/L		96	80 - 120
Calcium	25.0	29.2		mg/L		117	80 - 120
Chromium	0.500	0.487		mg/L		97	80 - 120
Cobalt	0.500	0.474		mg/L		95	80 - 120
Copper	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.480		mg/L		96	80 - 120
Nickel	0.500	0.467		mg/L		93	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.250	0.234		mg/L		94	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	0.500	0.488		mg/L		98	80 - 120
Zinc	0.250	0.233		mg/L		93	80 - 120

Lab Sample ID: LCS 180-353424/1-A
Matrix: Water
Analysis Batch: 354281

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.27		mg/L		102	80 - 120

Lab Sample ID: 180-119475-3 MS
Matrix: Water
Analysis Batch: 353952

Client Sample ID: GWA-17
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.229		mg/L		92	75 - 125
Arsenic	<0.00031		1.00	0.957		mg/L		96	75 - 125
Barium	0.029		1.00	1.01		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.511		mg/L		102	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: 180-119475-3 MS
Matrix: Water
Analysis Batch: 353952

Client Sample ID: GWA-17
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	<0.00022		0.500	0.482		mg/L		96	75 - 125
Calcium	7.8		25.0	36.6		mg/L		115	75 - 125
Chromium	0.0082		0.500	0.488		mg/L		96	75 - 125
Cobalt	<0.00013		0.500	0.472		mg/L		94	75 - 125
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.488		mg/L		98	75 - 125
Nickel	0.00040	J	0.500	0.466		mg/L		93	75 - 125
Selenium	<0.0015		1.00	0.993		mg/L		99	75 - 125
Silver	<0.00018		0.250	0.236		mg/L		94	75 - 125
Thallium	<0.00015		1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0050		0.500	0.488		mg/L		97	75 - 125
Zinc	<0.0032		0.250	0.233		mg/L		93	75 - 125

Lab Sample ID: 180-119475-3 MS
Matrix: Water
Analysis Batch: 354281

Client Sample ID: GWA-17
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.039		1.25	1.26		mg/L		101	75 - 125

Lab Sample ID: 180-119475-3 MSD
Matrix: Water
Analysis Batch: 353952

Client Sample ID: GWA-17
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.231		mg/L		92	75 - 125	1	20
Arsenic	<0.00031		1.00	0.973		mg/L		97	75 - 125	2	20
Barium	0.029		1.00	1.02		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.506		mg/L		101	75 - 125	1	20
Cadmium	<0.00022		0.500	0.486		mg/L		97	75 - 125	1	20
Calcium	7.8		25.0	37.0		mg/L		117	75 - 125	1	20
Chromium	0.0082		0.500	0.490		mg/L		96	75 - 125	0	20
Cobalt	<0.00013		0.500	0.481		mg/L		96	75 - 125	2	20
Copper	<0.00063		0.500	0.480		mg/L		96	75 - 125	0	20
Lead	<0.00013		0.500	0.494		mg/L		99	75 - 125	1	20
Nickel	0.00040	J	0.500	0.476		mg/L		95	75 - 125	2	20
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125	1	20
Silver	<0.00018		0.250	0.239		mg/L		95	75 - 125	1	20
Thallium	<0.00015		1.00	1.01		mg/L		101	75 - 125	1	20
Vanadium	0.0050		0.500	0.489		mg/L		97	75 - 125	0	20
Zinc	<0.0032		0.250	0.234		mg/L		94	75 - 125	1	20

Lab Sample ID: 180-119475-3 MSD
Matrix: Water
Analysis Batch: 354281

Client Sample ID: GWA-17
Prep Type: Total Recoverable
Prep Batch: 353424

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	2	20

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-353427/1-A
Matrix: Water
Analysis Batch: 354323

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:13	04/22/21 19:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:13	04/22/21 19:36	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:13	04/22/21 19:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:13	04/22/21 19:36	1
Boron	0.0787	J ^+	0.080	0.039	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:13	04/22/21 19:36	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:13	04/22/21 19:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:13	04/22/21 19:36	1
Lead	0.000177	J	0.0010	0.00013	mg/L		04/16/21 13:13	04/22/21 19:36	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:13	04/22/21 19:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:13	04/22/21 19:36	1
Thallium	0.000472	J	0.0010	0.00015	mg/L		04/16/21 13:13	04/22/21 19:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:13	04/22/21 19:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:13	04/22/21 19:36	1

Lab Sample ID: MB 180-353427/1-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:13	04/23/21 15:48	1

Lab Sample ID: LCS 180-353427/2-A
Matrix: Water
Analysis Batch: 354323

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.507		mg/L		101	80 - 120
Boron	1.25	1.24	^+	mg/L		99	80 - 120
Cadmium	0.500	0.524		mg/L		105	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.509		mg/L		102	80 - 120
Copper	0.500	0.508		mg/L		102	80 - 120
Lead	0.500	0.523		mg/L		105	80 - 120
Nickel	0.500	0.501		mg/L		100	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.261		mg/L		104	80 - 120
Thallium	1.00	1.12		mg/L		112	80 - 120
Vanadium	0.500	0.524		mg/L		105	80 - 120
Zinc	0.250	0.262		mg/L		105	80 - 120

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: LCS 180-353427/2-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.27		mg/L		102	80 - 120

Lab Sample ID: 180-119480-C-9-B MS
Matrix: Water
Analysis Batch: 354323

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.249		mg/L		100	75 - 125
Arsenic	0.0012		1.00	1.02		mg/L		102	75 - 125
Barium	0.028		1.00	1.06		mg/L		104	75 - 125
Beryllium	0.00045	J	0.500	0.503		mg/L		101	75 - 125
Boron	1.4	B	1.25	2.60		mg/L		97	75 - 125
Cadmium	0.00027	J	0.500	0.521		mg/L		104	75 - 125
Calcium	17		25.0	44.2		mg/L		110	75 - 125
Chromium	0.034		0.500	0.548		mg/L		103	75 - 125
Cobalt	0.26		0.500	0.763		mg/L		100	75 - 125
Copper	0.062		0.500	0.567		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125
Nickel	0.057		0.500	0.553		mg/L		99	75 - 125
Selenium	<0.0015		1.00	1.06		mg/L		106	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		105	75 - 125
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125
Vanadium	0.0013		0.500	0.522		mg/L		104	75 - 125
Zinc	0.090		0.250	0.353		mg/L		105	75 - 125

Lab Sample ID: 180-119480-C-9-C MSD
Matrix: Water
Analysis Batch: 354323

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353427

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.00038		0.250	0.248		mg/L		99	75 - 125	1	20
Arsenic	0.0012		1.00	0.993		mg/L		99	75 - 125	3	20
Barium	0.028		1.00	1.05		mg/L		103	75 - 125	1	20
Beryllium	0.00045	J	0.500	0.499		mg/L		100	75 - 125	1	20
Boron	1.4	B	1.25	2.59		mg/L		97	75 - 125	0	20
Cadmium	0.00027	J	0.500	0.512		mg/L		102	75 - 125	2	20
Calcium	17		25.0	43.7		mg/L		108	75 - 125	1	20
Chromium	0.034		0.500	0.541		mg/L		101	75 - 125	1	20
Cobalt	0.26		0.500	0.748		mg/L		97	75 - 125	2	20
Copper	0.062		0.500	0.553		mg/L		98	75 - 125	3	20
Lead	<0.00013		0.500	0.506		mg/L		101	75 - 125	1	20
Nickel	0.057		0.500	0.544		mg/L		97	75 - 125	2	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	2	20
Silver	<0.00018		0.250	0.258		mg/L		103	75 - 125	1	20
Thallium	<0.00015		1.00	1.09		mg/L		109	75 - 125	0	20
Vanadium	0.0013		0.500	0.516		mg/L		103	75 - 125	1	20
Zinc	0.090		0.250	0.349		mg/L		104	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-353689/1-A
Matrix: Water
Analysis Batch: 353926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 19:17	1

Lab Sample ID: LCS 180-353689/2-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.243		mg/L		97	80 - 120
Arsenic	1.00	1.08		mg/L		108	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Beryllium	0.500	0.535		mg/L		107	80 - 120
Boron	1.25	1.16		mg/L		92	80 - 120
Cadmium	0.500	0.517		mg/L		103	80 - 120
Calcium	25.0	29.4		mg/L		118	80 - 120
Chromium	0.500	0.524		mg/L		105	80 - 120
Cobalt	0.500	0.546		mg/L		109	80 - 120
Copper	0.500	0.538		mg/L		108	80 - 120
Lead	0.500	0.529		mg/L		106	80 - 120
Nickel	0.500	0.538		mg/L		108	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	0.250	0.258		mg/L		103	80 - 120
Thallium	1.00	1.14		mg/L		114	80 - 120
Vanadium	0.500	0.531		mg/L		106	80 - 120
Zinc	0.250	0.268		mg/L		107	80 - 120

Lab Sample ID: 180-118908-D-10-E MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	0.00079	J	1.00	1.06		mg/L		106	75 - 125
Barium	0.023		1.00	1.04		mg/L		102	75 - 125
Beryllium	<0.00018		0.500	0.516		mg/L		103	75 - 125
Boron	0.051	J	1.25	1.21		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	30		25.0	58.8		mg/L		115	75 - 125
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.532		mg/L		106	75 - 125
Copper	0.0010	J	0.500	0.526		mg/L		105	75 - 125
Lead	0.00014	J	0.500	0.518		mg/L		103	75 - 125
Nickel	<0.00034		0.500	0.523		mg/L		105	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00022	J	1.00	1.11		mg/L		111	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: 180-118908-D-10-F MSD
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.239		mg/L		95	75 - 125	0	20
Arsenic	0.00079	J	1.00	1.05		mg/L		105	75 - 125	1	20
Barium	0.023		1.00	1.04		mg/L		102	75 - 125	0	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	0.051	J	1.25	1.23		mg/L		94	75 - 125	2	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	0	20
Calcium	30		25.0	58.3		mg/L		113	75 - 125	1	20
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125	0	20
Cobalt	<0.00013		0.500	0.528		mg/L		106	75 - 125	1	20
Copper	0.0010	J	0.500	0.522		mg/L		104	75 - 125	1	20
Lead	0.00014	J	0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	<0.00034		0.500	0.519		mg/L		104	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	0	20
Silver	<0.00018		0.250	0.250		mg/L		100	75 - 125	1	20
Thallium	0.00022	J	1.00	1.10		mg/L		110	75 - 125	1	20
Vanadium	0.0017		0.500	0.518		mg/L		103	75 - 125	0	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-353601/1-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353601

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:45	04/20/21 10:41	1

Lab Sample ID: LCS 180-353601/2-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

Lab Sample ID: 180-119437-C-2-C MS
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353601

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125

Lab Sample ID: 180-119437-C-2-D MSD
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353601

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	<0.00013		0.00100	0.00119		mg/L		119	75 - 125	1	20

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-353602/1-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:10	1

Lab Sample ID: LCS 180-353602/2-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00291		mg/L		116	80 - 120

Lab Sample ID: 180-119475-B-8-C MS
Matrix: Water
Analysis Batch: 353846

Client Sample ID: 180-119475-B-8-C MS
Prep Type: Total/NA
Prep Batch: 353602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013	F1	0.00100	0.000382	F1	mg/L		38	75 - 125

Lab Sample ID: 180-119475-B-8-D MSD
Matrix: Water
Analysis Batch: 353846

Client Sample ID: 180-119475-B-8-D MSD
Prep Type: Total/NA
Prep Batch: 353602

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013	F1	0.00100	0.000404	F1	mg/L		40	75 - 125	6	20

Lab Sample ID: MB 180-353605/1-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:56	04/20/21 11:56	1

Lab Sample ID: LCS 180-353605/2-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00284		mg/L		114	80 - 120

Lab Sample ID: 180-119535-E-1-C MS
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00113		mg/L		113	75 - 125

Lab Sample ID: 180-119535-E-1-D MSD
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00111		mg/L		111	75 - 125	2	20

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QC Sample Results

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

Job ID: 180-119475-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-353839/1-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

Lab Sample ID: LCS 180-353839/2-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

Lab Sample ID: 180-119649-M-1-C MS
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

Lab Sample ID: 180-119649-M-1-D MSD
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

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

Lab Sample ID: MB 180-352456/2
Matrix: Water
Analysis Batch: 352456

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:48	1

Lab Sample ID: LCS 180-352456/1
Matrix: Water
Analysis Batch: 352456

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	472		mg/L		97	80 - 120

Lab Sample ID: 180-119423-B-3 DU
Matrix: Water
Analysis Batch: 352456

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	370		376		mg/L		2	10

QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: MB 180-352457/2
Matrix: Water
Analysis Batch: 352457

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/08/21 18:52	1

Lab Sample ID: LCS 180-352457/1
Matrix: Water
Analysis Batch: 352457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	442		mg/L		91	80 - 120

Lab Sample ID: 180-119475-4 DU
Matrix: Water
Analysis Batch: 352457

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	120		116		mg/L		3	10

Lab Sample ID: 180-119475-14 DU
Matrix: Water
Analysis Batch: 352457

Client Sample ID: GWC-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	62		61.0		mg/L		0	10

Lab Sample ID: MB 180-352626/2
Matrix: Water
Analysis Batch: 352626

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:05	1

Lab Sample ID: LCS 180-352626/1
Matrix: Water
Analysis Batch: 352626

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	490		mg/L		101	80 - 120

Lab Sample ID: 180-119465-B-1 DU
Matrix: Water
Analysis Batch: 352626

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		145		mg/L		0.7	10

Lab Sample ID: MB 180-352947/2
Matrix: Water
Analysis Batch: 352947

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

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QC Sample Results

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

Job ID: 180-119475-1

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

Lab Sample ID: LCS 180-352947/1
Matrix: Water
Analysis Batch: 352947

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	457	432		mg/L		95	80 - 120

Lab Sample ID: 180-119701-C-1 DU
Matrix: Water
Analysis Batch: 352947

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1390		mg/L		3	10

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

QC Association Summary

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

Job ID: 180-119475-1

HPLC/IC

Analysis Batch: 352646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352646/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352646/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119375-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 352844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-2	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-119475-4	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-5	GWC-2	Total/NA	Water	EPA 300.0 R2.1	
180-119475-6	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-119475-7	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-119475-9	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119475-10	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-119475-11	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-119475-12	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-119475-13	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-119475-14	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-119475-15	EB CELL 1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-16	FB CELL 1	Total/NA	Water	EPA 300.0 R2.1	
180-119475-17	DUP CELL 1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352844/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352844/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119475-1 MS	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-1 MSD	GWA-15	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3 MS	GWA-17	Total/NA	Water	EPA 300.0 R2.1	
180-119475-3 MSD	GWA-17	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 352845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-119760-2	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352845/29	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352845/28	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119577-D-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119577-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 353150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 300.0 R2.1	
180-119760-2	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

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QC Association Summary

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

Job ID: 180-119475-1

Metals

Prep Batch: 353251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	3005A	
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	3005A	
180-119475-2	GWA-16	Total Recoverable	Water	3005A	
180-119475-3	GWA-17	Total Recoverable	Water	3005A	
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119475-3 MS	GWA-17	Total Recoverable	Water	3005A	
180-119475-3 MSD	GWA-17	Total Recoverable	Water	3005A	

Prep Batch: 353427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	3005A	
180-119475-5	GWC-2	Total Recoverable	Water	3005A	
180-119475-6	GWC-5	Total Recoverable	Water	3005A	
180-119475-7	GWC-7	Total Recoverable	Water	3005A	
180-119475-9	GWC-9	Total Recoverable	Water	3005A	
180-119475-10	GWC-10	Total Recoverable	Water	3005A	
180-119475-11	GWC-11	Total Recoverable	Water	3005A	
180-119475-12	GWC-12	Total Recoverable	Water	3005A	
180-119475-13	GWC-14	Total Recoverable	Water	3005A	
180-119475-14	GWC-18	Total Recoverable	Water	3005A	
180-119475-15	EB CELL 1	Total Recoverable	Water	3005A	
180-119475-16	FB CELL 1	Total Recoverable	Water	3005A	
180-119475-17	DUP CELL 1	Total Recoverable	Water	3005A	
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119480-C-9-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119480-C-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	7470A	
180-119475-2	GWA-16	Total/NA	Water	7470A	
180-119475-3	GWA-17	Total/NA	Water	7470A	
180-119475-4	GWC-1	Total/NA	Water	7470A	
180-119475-5	GWC-2	Total/NA	Water	7470A	
180-119475-6	GWC-5	Total/NA	Water	7470A	
180-119475-7	GWC-7	Total/NA	Water	7470A	
MB 180-353601/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119437-C-2-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119437-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

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QC Association Summary

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

Job ID: 180-119475-1

Metals

Prep Batch: 353602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-9	GWC-9	Total/NA	Water	7470A	
180-119475-10	GWC-10	Total/NA	Water	7470A	
180-119475-11	GWC-11	Total/NA	Water	7470A	
180-119475-12	GWC-12	Total/NA	Water	7470A	
180-119475-13	GWC-14	Total/NA	Water	7470A	
180-119475-14	GWC-18	Total/NA	Water	7470A	
180-119475-15	EB CELL 1	Total/NA	Water	7470A	
180-119475-16	FB CELL 1	Total/NA	Water	7470A	
180-119475-17	DUP CELL 1	Total/NA	Water	7470A	
MB 180-353602/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119475-B-8-C MS	180-119475-B-8-C MS	Total/NA	Water	7470A	
180-119475-B-8-D MSD	180-119475-B-8-D MSD	Total/NA	Water	7470A	

Prep Batch: 353605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	7470A	
MB 180-353605/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total Recoverable	Water	3005A	
180-119760-2	GWC-13	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	7470A	
180-119760-2	GWC-13	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 353846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	EPA 7470A	353601
180-119475-2	GWA-16	Total/NA	Water	EPA 7470A	353601
180-119475-3	GWA-17	Total/NA	Water	EPA 7470A	353601
180-119475-4	GWC-1	Total/NA	Water	EPA 7470A	353601
180-119475-5	GWC-2	Total/NA	Water	EPA 7470A	353601
180-119475-6	GWC-5	Total/NA	Water	EPA 7470A	353601
180-119475-7	GWC-7	Total/NA	Water	EPA 7470A	353601
180-119475-9	GWC-9	Total/NA	Water	EPA 7470A	353602
180-119475-10	GWC-10	Total/NA	Water	EPA 7470A	353602

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QC Association Summary

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

Job ID: 180-119475-1

Metals (Continued)

Analysis Batch: 353846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-11	GWC-11	Total/NA	Water	EPA 7470A	353602
180-119475-12	GWC-12	Total/NA	Water	EPA 7470A	353602
180-119475-13	GWC-14	Total/NA	Water	EPA 7470A	353602
180-119475-14	GWC-18	Total/NA	Water	EPA 7470A	353602
180-119475-15	EB CELL 1	Total/NA	Water	EPA 7470A	353602
180-119475-16	FB CELL 1	Total/NA	Water	EPA 7470A	353602
180-119475-17	DUP CELL 1	Total/NA	Water	EPA 7470A	353602
180-119485-1	GWC-4	Total/NA	Water	EPA 7470A	353605
MB 180-353601/1-A	Method Blank	Total/NA	Water	EPA 7470A	353601
MB 180-353602/1-A	Method Blank	Total/NA	Water	EPA 7470A	353602
MB 180-353605/1-A	Method Blank	Total/NA	Water	EPA 7470A	353605
LCS 180-353601/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353601
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353602
LCS 180-353605/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353605
180-119437-C-2-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353601
180-119437-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353601
180-119475-B-8-C MS	180-119475-B-8-C MS	Total/NA	Water	EPA 7470A	353602
180-119475-B-8-D MSD	180-119475-B-8-D MSD	Total/NA	Water	EPA 7470A	353602
180-119535-E-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353605
180-119535-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353605

Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
180-119760-1	GWC-3	Total Recoverable	Water	EPA 6020B	353689
180-119760-2	GWC-13	Total Recoverable	Water	EPA 6020B	353689
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689
180-119479-C-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353251
180-119479-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353251

Analysis Batch: 353926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total Recoverable	Water	EPA 6020B	353251
180-119760-1	GWC-3	Total Recoverable	Water	EPA 6020B	353689
180-119760-2	GWC-13	Total Recoverable	Water	EPA 6020B	353689
MB 180-353251/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353251
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353251/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353251
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

Analysis Batch: 353952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119475-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119475-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119475-1

Metals (Continued)

Analysis Batch: 353952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-3 MS	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MSD	GWA-17	Total Recoverable	Water	EPA 6020B	353424

Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	EPA 7470A	353839
180-119760-2	GWC-13	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

Analysis Batch: 354281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total Recoverable	Water	EPA 6020B	353424
180-119475-2	GWA-16	Total Recoverable	Water	EPA 6020B	353424
180-119475-3	GWA-17	Total Recoverable	Water	EPA 6020B	353424
MB 180-353424/2-A	Method Blank	Total Recoverable	Water	EPA 6020B	353424
LCS 180-353424/1-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MS	GWA-17	Total Recoverable	Water	EPA 6020B	353424
180-119475-3 MSD	GWA-17	Total Recoverable	Water	EPA 6020B	353424

Analysis Batch: 354323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	EPA 6020B	353427
180-119475-5	GWC-2	Total Recoverable	Water	EPA 6020B	353427
180-119475-6	GWC-5	Total Recoverable	Water	EPA 6020B	353427
180-119475-7	GWC-7	Total Recoverable	Water	EPA 6020B	353427
180-119475-9	GWC-9	Total Recoverable	Water	EPA 6020B	353427
180-119475-10	GWC-10	Total Recoverable	Water	EPA 6020B	353427
180-119475-11	GWC-11	Total Recoverable	Water	EPA 6020B	353427
180-119475-12	GWC-12	Total Recoverable	Water	EPA 6020B	353427
180-119475-13	GWC-14	Total Recoverable	Water	EPA 6020B	353427
180-119475-14	GWC-18	Total Recoverable	Water	EPA 6020B	353427
180-119475-15	EB CELL 1	Total Recoverable	Water	EPA 6020B	353427
180-119475-16	FB CELL 1	Total Recoverable	Water	EPA 6020B	353427
180-119475-17	DUP CELL 1	Total Recoverable	Water	EPA 6020B	353427
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353427
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353427
180-119480-C-9-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353427
180-119480-C-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353427

Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total Recoverable	Water	EPA 6020B	353427
180-119475-6	GWC-5	Total Recoverable	Water	EPA 6020B	353427
180-119475-9	GWC-9	Total Recoverable	Water	EPA 6020B	353427
MB 180-353427/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353427
LCS 180-353427/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353427

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119475-1

General Chemistry

Analysis Batch: 352456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	SM 2540C	
180-119475-2	GWA-16	Total/NA	Water	SM 2540C	
180-119475-3	GWA-17	Total/NA	Water	SM 2540C	
MB 180-352456/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352456/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119423-B-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 352457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-4	GWC-1	Total/NA	Water	SM 2540C	
180-119475-5	GWC-2	Total/NA	Water	SM 2540C	
180-119475-6	GWC-5	Total/NA	Water	SM 2540C	
180-119475-7	GWC-7	Total/NA	Water	SM 2540C	
180-119475-9	GWC-9	Total/NA	Water	SM 2540C	
180-119475-10	GWC-10	Total/NA	Water	SM 2540C	
180-119475-11	GWC-11	Total/NA	Water	SM 2540C	
180-119475-12	GWC-12	Total/NA	Water	SM 2540C	
180-119475-13	GWC-14	Total/NA	Water	SM 2540C	
180-119475-14	GWC-18	Total/NA	Water	SM 2540C	
180-119475-15	EB CELL 1	Total/NA	Water	SM 2540C	
180-119475-16	FB CELL 1	Total/NA	Water	SM 2540C	
180-119475-17	DUP CELL 1	Total/NA	Water	SM 2540C	
MB 180-352457/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352457/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119475-4 DU	GWC-1	Total/NA	Water	SM 2540C	
180-119475-14 DU	GWC-18	Total/NA	Water	SM 2540C	

Analysis Batch: 352626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	SM 2540C	
MB 180-352626/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352626/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119465-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 352947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	SM 2540C	
180-119760-2	GWC-13	Total/NA	Water	SM 2540C	
MB 180-352947/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352947/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119701-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 352049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119485-1	GWC-4	Total/NA	Water	Field Sampling	

Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-1	GWA-15	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119475-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 352098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119475-2	GWA-16	Total/NA	Water	Field Sampling	
180-119475-3	GWA-17	Total/NA	Water	Field Sampling	
180-119475-4	GWC-1	Total/NA	Water	Field Sampling	
180-119475-5	GWC-2	Total/NA	Water	Field Sampling	
180-119475-6	GWC-5	Total/NA	Water	Field Sampling	
180-119475-7	GWC-7	Total/NA	Water	Field Sampling	
180-119475-9	GWC-9	Total/NA	Water	Field Sampling	
180-119475-10	GWC-10	Total/NA	Water	Field Sampling	
180-119475-11	GWC-11	Total/NA	Water	Field Sampling	
180-119475-12	GWC-12	Total/NA	Water	Field Sampling	
180-119475-13	GWC-14	Total/NA	Water	Field Sampling	
180-119475-14	GWC-18	Total/NA	Water	Field Sampling	

Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119760-1	GWC-3	Total/NA	Water	Field Sampling	
180-119760-2	GWC-13	Total/NA	Water	Field Sampling	

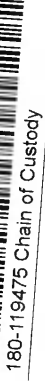
Chain of Custody Record

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other: _____
 Project Manager: Dawn Prell Site Contact: Dawn Prell Date: 4.1.2021
 Tel/Fax: 248-536-5445 Lab Contact: Shall Brown Carrier: _____ COC No: _____ of _____ COCs

Client Contact
 Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 j.abraham@southernco.com
 Project Name: CCR - Plant Scherer Cell 1
 Site: Georgia
 P O # 18019884

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn	C1, T1, SO4, TDS	Sample Specific Notes
						CALENDAR DAYS	WORKING DAYS					
GWA-15	4/1/2021	9:51	G	GW	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>					pH= 5.31
GWA-16	4/1/2021	10:46	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.44
GWA-17	4/1/2021	13:25	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.14
GWC-1	4/1/2021	15:52	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.52
GWC-2	4/1/2021	16:16	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 7.32
GWC-5	4/1/2021	14:20	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.01
GWC-7	4/1/2021	14:35	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.40
GWC-8A	4/1/2021	13:13	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.28
GWC-9	4/1/2021	12:08	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.28
GWC-10	4/1/2021	16:23	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.35
GWC-11	4/1/2021	13:39	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 6.11
GWC-12	4/1/2021	12:21	G	GW	4	<input type="checkbox"/>	<input type="checkbox"/>					pH= 5.18



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____
 Possible Hazard Identification: _____
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:		Custody Seal No.:		Cooler Temp. (°C): Obs'd:		Therm ID No.:	
Relinquished by: [Signature]	Company: [Signature]	Company: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Company: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Company: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]	Received by: [Signature]	Company: [Signature]

Regulatory Program: DW NPDES RCRA Other:

Client Contact
 Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 JAbraham@southernco.com
Project Name: CCR - Plant Scherer Cell 1
 Site: Georgia
 P O # 18019884

Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445

Site Contact: Dawn Prell
 Lab Contact: Shali Brown

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below ___ 3-5 days ___
 2 weeks
 1 week
 2 days
 1 day

Sample Identification
 GWC-4

Sample Date: 4/2/2021
Sample Time: 11:46
Sample Type (C=Comp, G=Grab): G
Matrix: GW
of Cont.: 4

Filtered Sample (Y/N):
 Perform MS / MSD (Y/N)
 6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn
 CI, F, SO4, TDS

Date: 4.2.2021
Carrier:
COC No.: 1 of 1 COCs

Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
Sample Specific Notes:
 pH= 6.35



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

Possible Hazard Identification:
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:
 Return to Client Disposal by Lab Archive for _____ Months

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

Received by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern
Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern
Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern	Shali Brown	4/2/21	Southern

Custody Seal No.: _____
 Yes No

Cooler Temp. (°C): Obs'd: _____ Cor'd: _____

Therm ID No.: _____

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

Login Number: 119475

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

Login Number: 119485

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119475-1

Login Number: 119760

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



ANALYTICAL REPORT

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

Laboratory Job ID: 180-119476-1

Client Project/Site: Plant Scherer PAC Ash Cell
Sampling Event: PAC ASH

For:

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

Attn: Joju Abraham



Authorized for release by:
4/27/2021 5:11:48 PM

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

LINKS

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

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

PA Lab ID: 02-00416



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Case Narrative

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

Job ID: 180-119476-1

Job ID: 180-119476-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative 180-119476-1

Comments

No additional comments.

Receipt

The samples were received on 4/3/2021 10:45 AM, 4/7/2021 9:30 AM and 4/8/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.9° C, 2.9° C, 3.2° C, 3.4° C, 3.4° C, 3.7° C, 3.8° C and 3.8° C.

Receipt Exceptions

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

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-21 (180-119476-1). The container labels list a sample collection time of 12:07, while the COC lists 11:19. The time on the COC was used.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-22 (180-119476-2). The container labels list a sample collection time of 11:19, while the COC lists 12:07. The time on the COC was used.

GC Semi VOA

Method 300.0: The matrix spike (MS) recoveries for the following sample associated with analytical batch 180-352845 were low outside control limits for Sulfate: (180-119606-B-5 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 180-353482 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

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

Metals

Methods 6020A, 6020B: The continuing calibration verification (CCV) associated with batch 180-353919 recovered above the upper control limit for boron. The samples associated with this CCV were less than the RL(80ppb) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWA-49 (180-119766-1) and (CCV 180-353919/139).

Methods 200.8, 6020B: The continuing calibration verification (CCV) associated with batch 180-354450 recovered above the upper control limit for beryllium. The samples associated with this CCV were less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 180-354450/75), (LCS 180-353694/2-A) and (MB 180-353694/1-A).

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

Field Service / Mobile Lab

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

General Chemistry

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

Definitions/Glossary

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

Job ID: 180-119476-1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119476-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

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

Job ID: 180-119476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119476-1	GWA-21	Water	04/02/21 11:19	04/03/21 10:45	
180-119476-2	GWA-22	Water	04/02/21 12:07	04/03/21 10:45	
180-119476-3	GWA-45	Water	04/02/21 11:30	04/03/21 10:45	
180-119606-1	GWA-46	Water	04/05/21 14:15	04/07/21 09:30	
180-119606-2	GWA-47	Water	04/05/21 16:32	04/07/21 09:30	
180-119606-3	GWA-48	Water	04/05/21 14:02	04/07/21 09:30	
180-119606-4	GWC-51	Water	04/05/21 16:04	04/07/21 09:30	
180-119606-5	GWC-52	Water	04/05/21 15:01	04/07/21 09:30	
180-119606-6	DUP-1 (PA)	Water	04/05/21 00:01	04/07/21 09:30	
180-119606-7	FB-1 (PA)	Water	04/05/21 16:04	04/07/21 09:30	
180-119766-1	GWA-49	Water	04/06/21 10:10	04/08/21 09:30	
180-119766-2	GWC-29	Water	04/06/21 13:50	04/08/21 09:30	
180-119766-3	GWC-50	Water	04/06/21 13:39	04/08/21 09:30	
180-119766-4	GWC-53	Water	04/06/21 12:01	04/08/21 09:30	
180-119766-5	EB-1 (PA)	Water	04/06/21 09:15	04/08/21 09:30	

Method Summary

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

Job ID: 180-119476-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWA-21
Date Collected: 04/02/21 11:19
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119476-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 20:02	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:51	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:41	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 11:19	FDS	TAL PIT

Client Sample ID: GWA-22
Date Collected: 04/02/21 12:07
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119476-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 20:20	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:48	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:42	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352098	04/02/21 12:07	FDS	TAL PIT

Client Sample ID: GWA-45
Date Collected: 04/02/21 11:30
Date Received: 04/03/21 10:45

Lab Sample ID: 180-119476-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 19:44	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			353496	04/16/21 12:25	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353602	04/19/21 08:49	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 11:45	KHM	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWA-45

Lab Sample ID: 180-119476-3

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352626	04/09/21 17:05	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352098	04/02/21 11:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-46

Lab Sample ID: 180-119606-1

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352845	04/14/21 01:58	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:41	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:33	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:45	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 14:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-47

Lab Sample ID: 180-119606-2

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352845	04/14/21 03:04	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			353150	04/15/21 12:18	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354110	04/21/21 18:45	RSK	TAL PIT
Instrument ID: DORY										
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354281	04/22/21 11:36	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:46	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWA-47
Date Collected: 04/05/21 16:32
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119606-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 16:32	FDS	TAL PIT

Client Sample ID: GWA-48
Date Collected: 04/05/21 14:02
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119606-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 03:20	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 12:35	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:05	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:05	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:47	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352625	04/09/21 17:01	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/05/21 14:02	FDS	TAL PIT

Client Sample ID: GWC-51
Date Collected: 04/05/21 16:04
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119606-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 03:36	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 12:53	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:08	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:08	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:48	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWC-51

Lab Sample ID: 180-119606-4

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352759	04/05/21 16:04	FDS	TAL PIT

Client Sample ID: GWC-52

Lab Sample ID: 180-119606-5

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 01:09	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:12	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:12	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:49	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352759	04/05/21 15:01	FDS	TAL PIT

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 180-119606-6

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			352845	04/14/21 03:53	EPS	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			353150	04/15/21 13:11	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353919	04/20/21 14:15	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			353926	04/20/21 14:15	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			353846	04/20/21 12:52	KHM	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: FB-1 (PA)

Date Collected: 04/05/21 16:04

Date Received: 04/07/21 09:30

Lab Sample ID: 180-119606-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			352845	04/14/21 02:47	EPS	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 14:19	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 14:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353607	04/19/21 09:00	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			353846	04/20/21 12:53	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352627	04/09/21 17:09	KMM	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-49

Date Collected: 04/06/21 10:10

Date Received: 04/08/21 09:30

Lab Sample ID: 180-119766-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 11:14	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 16:03	RSK	TAL PIT
Instrument ID: A										
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353926	04/20/21 16:03	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:17	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 10:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-29

Date Collected: 04/06/21 13:50

Date Received: 04/08/21 09:30

Lab Sample ID: 180-119766-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 11:32	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:30	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWC-29

Date Collected: 04/06/21 13:50

Date Received: 04/08/21 09:30

Lab Sample ID: 180-119766-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:20	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:18	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:50	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-50

Date Collected: 04/06/21 13:39

Date Received: 04/08/21 09:30

Lab Sample ID: 180-119766-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 11:50	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:33	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:23	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:19	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:39	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWC-53

Date Collected: 04/06/21 12:01

Date Received: 04/08/21 09:30

Lab Sample ID: 180-119766-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 10:21	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:36	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:26	RSK	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119476-1

Client Sample ID: GWC-53

Lab Sample ID: 180-119766-4

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:20	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 12:01	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: EB-1 (PA)

Lab Sample ID: 180-119766-5

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353482	04/17/21 10:03	SAT	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354450	04/23/21 17:38	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	353694	04/19/21 14:30	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354643	04/24/21 15:34	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354045	04/21/21 11:23	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	352947	04/13/21 19:18	GRB	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

- DLL = Debbie Lowe
- KEM = Kimberly Mahoney
- MM1 = Mary Beth Miller
- TJO = Tyler Oliver

Batch Type: Analysis

- EPS = Evan Scheuer
- FDS = Sampler Field
- GRB = Gabriel Berghe
- KHM = Kyle Mucroski
- KMM = Kendric Moore
- RSK = Robert Kurtz
- SAT = Stephen Tallam

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-21

Lab Sample ID: 180-119476-1

Date Collected: 04/02/21 11:19

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.7		1.0	0.71	mg/L			04/15/21 20:02	1
Fluoride	0.028	J	0.10	0.026	mg/L			04/15/21 20:02	1
Sulfate	0.99	J	1.0	0.76	mg/L			04/15/21 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:51	1
Barium	0.020		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:51	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:51	1
Calcium	9.2		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:51	1
Chromium	0.0029		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Cobalt	0.00016	J	0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:51	1
Nickel	0.00046	J	0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:51	1
Thallium	0.00016	J	0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:51	1
Vanadium	0.0029		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:51	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			04/09/21 17:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.06				SU			04/02/21 11:19	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-22

Lab Sample ID: 180-119476-2

Date Collected: 04/02/21 12:07

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/15/21 20:20	1
Fluoride	0.032	J	0.10	0.026	mg/L			04/15/21 20:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/21 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:48	1
Barium	0.023		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:48	1
Beryllium	0.00019	J	0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:48	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:48	1
Calcium	9.0		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:48	1
Chromium	0.010		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Cobalt	0.00026	J	0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:48	1
Lead	0.00018	J	0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:48	1
Nickel	0.00049	J	0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:48	1
Thallium	0.00036	J	0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:48	1
Vanadium	0.0045		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:48	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	69		10	10	mg/L			04/09/21 17:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.03				SU			04/02/21 12:07	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-45

Lab Sample ID: 180-119476-3

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			04/15/21 19:44	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 19:44	1
Sulfate	180		1.0	0.76	mg/L			04/15/21 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:25	1
Barium	0.11		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:25	1
Boron	1.1		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:25	1
Calcium	29		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:25	1
Cobalt	0.0020 J		0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:25	1
Nickel	0.00077 J		0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:25	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:25	1
Zinc	0.0058		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:25	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			04/09/21 17:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/02/21 11:30	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-46

Lab Sample ID: 180-119606-1

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.3		1.0	0.71	mg/L			04/14/21 01:58	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/14/21 01:58	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 01:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 18:41	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 18:41	1
Barium	0.022		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 18:41	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 18:41	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 18:41	1
Calcium	7.0		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 18:41	1
Chromium	0.0041		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 18:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 18:41	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 18:41	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 18:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 18:41	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 18:41	1
Vanadium	0.0030		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 18:41	1
Zinc	0.0049	J	0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 18:41	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	46		10	10	mg/L			04/09/21 17:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/05/21 14:15	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-47

Lab Sample ID: 180-119606-2

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.71	mg/L			04/14/21 03:04	1
Fluoride	0.038	J	0.10	0.026	mg/L			04/15/21 12:18	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 18:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 18:45	1
Barium	0.028		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 18:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 18:45	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 18:45	1
Calcium	13		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 18:45	1
Chromium	0.0084		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Cobalt	0.00017	J	0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 18:45	1
Copper	0.0019	J	0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 18:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 18:45	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 18:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 18:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 18:45	1
Vanadium	0.0085		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 18:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 18:45	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	63		10	10	mg/L			04/09/21 17:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			04/05/21 16:32	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-48

Lab Sample ID: 180-119606-3

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.71	mg/L			04/14/21 03:20	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/15/21 12:35	1
Sulfate	1.3		1.0	0.76	mg/L			04/14/21 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:05	1
Arsenic	0.00031	J	0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:05	1
Barium	0.015		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:05	1
Boron	0.044	J	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:05	1
Calcium	13		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:05	1
Chromium	0.0061		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Cobalt	0.00019	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:05	1
Copper	0.00093	J	0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:05	1
Nickel	0.00034	J	0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:05	1
Thallium	0.00043	J	0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:05	1
Vanadium	0.019		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	99		10	10	mg/L			04/09/21 17:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			04/05/21 14:02	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWC-51

Lab Sample ID: 180-119606-4

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.8		1.0	0.71	mg/L			04/14/21 03:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 12:53	1
Sulfate	1.7		1.0	0.76	mg/L			04/14/21 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:08	1
Barium	0.010		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:08	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:08	1
Calcium	8.0		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:08	1
Chromium	0.0054		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Cobalt	0.00020	J	0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:08	1
Nickel	0.0020		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:08	1
Thallium	0.00022	J	0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:08	1
Vanadium	0.0059		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	66		10	10	mg/L			04/09/21 17:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.99				SU			04/05/21 16:04	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWC-52

Lab Sample ID: 180-119606-5

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.2		1.0	0.71	mg/L			04/14/21 01:09	1
Fluoride	0.050	J	0.10	0.026	mg/L			04/14/21 01:09	1
Sulfate	57	F1	1.0	0.76	mg/L			04/14/21 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:12	1
Barium	0.019		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:12	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:12	1
Calcium	21		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:12	1
Chromium	0.031		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:12	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:12	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:12	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:12	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:12	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:12	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	170		10	10	mg/L			04/09/21 17:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68				SU			04/05/21 15:01	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 180-119606-6

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.3		1.0	0.71	mg/L			04/14/21 03:53	1
Fluoride	0.032	J	0.10	0.026	mg/L			04/15/21 13:11	1
Sulfate	57		1.0	0.76	mg/L			04/14/21 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:15	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:15	1
Barium	0.018		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:15	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:15	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:15	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:15	1
Calcium	21		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:15	1
Chromium	0.032		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:15	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:15	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:15	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:15	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:15	1
Vanadium	0.011		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:15	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:15	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	150		10	10	mg/L			04/09/21 17:09	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: FB-1 (PA)

Lab Sample ID: 180-119606-7

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/14/21 02:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/14/21 02:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/14/21 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 14:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 14:19	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 14:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 14:19	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:16	04/20/21 14:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 14:19	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 14:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 14:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 14:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 14:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 14:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 14:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 14:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 14:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 14:19	1
Vanadium	0.0017		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 14:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 14:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:09	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWA-49

Lab Sample ID: 180-119766-1

Date Collected: 04/06/21 10:10

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.1		1.0	0.71	mg/L			04/17/21 11:14	1
Fluoride	0.030	J	0.10	0.026	mg/L			04/17/21 11:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:16	04/20/21 16:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:16	04/20/21 16:03	1
Barium	0.020		0.010	0.0016	mg/L		04/19/21 14:16	04/20/21 16:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:16	04/20/21 16:03	1
Boron	<0.039	^+	0.080	0.039	mg/L		04/19/21 14:16	04/20/21 16:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:16	04/20/21 16:03	1
Calcium	16		0.50	0.13	mg/L		04/19/21 14:16	04/20/21 16:03	1
Chromium	0.0055		0.0020	0.0015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:16	04/20/21 16:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:16	04/20/21 16:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:16	04/20/21 16:03	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:16	04/20/21 16:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:16	04/20/21 16:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:16	04/20/21 16:03	1
Vanadium	0.021		0.0010	0.00099	mg/L		04/19/21 14:16	04/20/21 16:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 16:03	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			04/06/21 10:10	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWC-29

Lab Sample ID: 180-119766-2

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.3		1.0	0.71	mg/L			04/17/21 11:32	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/17/21 11:32	1
Sulfate	2.5		1.0	0.76	mg/L			04/17/21 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:30	1
Barium	0.018		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:20	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:30	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:30	1
Calcium	17		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:30	1
Nickel	0.0042	B	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:30	1
Vanadium	0.0045		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:30	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			04/06/21 13:50	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWC-50

Lab Sample ID: 180-119766-3

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		1.0	0.71	mg/L			04/17/21 11:50	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 11:50	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:33	1
Barium	0.013		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:23	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:33	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:33	1
Calcium	7.7		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:23	1
Chromium	0.0044		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:33	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:33	1
Nickel	0.0019	B	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:33	1
Vanadium	0.0026		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:33	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	49		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.76				SU			04/06/21 13:39	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: GWC-53

Lab Sample ID: 180-119766-4

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		1.0	0.71	mg/L			04/17/21 10:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 10:21	1
Sulfate	160		1.0	0.76	mg/L			04/17/21 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:36	1
Barium	0.041		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:26	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:36	1
Boron	0.97		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:36	1
Calcium	19		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:26	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:36	1
Cobalt	0.0062		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:36	1
Nickel	0.0072	B	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:36	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:36	1
Zinc	0.014		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:36	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	250		10	10	mg/L			04/13/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.67				SU			04/06/21 12:01	1

Client Sample Results

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

Job ID: 180-119476-1

Client Sample ID: EB-1 (PA)

Lab Sample ID: 180-119766-5

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/17/21 10:03	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 10:03	1
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 17:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 17:38	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 15:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 17:38	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 17:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 17:38	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 15:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 17:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 17:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 17:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 17:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 17:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 17:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 17:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 17:38	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: MB 180-352845/29
Matrix: Water
Analysis Batch: 352845

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/13/21 22:36	1
Fluoride	<0.026		0.10	0.026	mg/L			04/13/21 22:36	1
Sulfate	<0.76		1.0	0.76	mg/L			04/13/21 22:36	1

Lab Sample ID: LCS 180-352845/28
Matrix: Water
Analysis Batch: 352845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.9		mg/L		98	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

Lab Sample ID: 180-119606-5 MS
Matrix: Water
Analysis Batch: 352845

Client Sample ID: GWC-52
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.2		50.0	57.8		mg/L		99	90 - 110
Fluoride	0.050	J	2.50	2.34		mg/L		91	90 - 110
Sulfate	57	F1	50.0	102	F1	mg/L		89	90 - 110

Lab Sample ID: 180-119606-5 MSD
Matrix: Water
Analysis Batch: 352845

Client Sample ID: GWC-52
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.2		50.0	58.2		mg/L		100	90 - 110	1	20
Fluoride	0.050	J	2.50	2.41		mg/L		95	90 - 110	3	20
Sulfate	57	F1	50.0	103		mg/L		92	90 - 110	1	20

Lab Sample ID: MB 180-353150/21
Matrix: Water
Analysis Batch: 353150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/15/21 14:23	1
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 14:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/15/21 14:23	1

Lab Sample ID: MB 180-353150/6
Matrix: Water
Analysis Batch: 353150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.026		0.10	0.026	mg/L			04/15/21 09:55	1

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: LCS 180-353150/20
Matrix: Water
Analysis Batch: 353150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	53.8		mg/L		108	90 - 110
Fluoride	2.50	2.49		mg/L		100	90 - 110
Sulfate	50.0	54.1		mg/L		108	90 - 110

Lab Sample ID: LCS 180-353150/5
Matrix: Water
Analysis Batch: 353150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	2.50	2.53		mg/L		101	90 - 110

Lab Sample ID: 180-119473-C-1 MS
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.078	J F1	2.50	2.28	F1	mg/L		88	90 - 110

Lab Sample ID: 180-119473-C-1 MSD
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Fluoride	0.078	J F1	2.50	2.36		mg/L		91	90 - 110	3	20

Lab Sample ID: 180-119526-A-7 MS
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	36		50.0	84.4		mg/L		97	90 - 110
Fluoride	0.066	J	2.50	2.38		mg/L		92	90 - 110
Sulfate	58		50.0	105		mg/L		95	90 - 110

Lab Sample ID: 180-119526-A-7 MSD
Matrix: Water
Analysis Batch: 353150

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	36		50.0	82.2		mg/L		93	90 - 110	3	20
Fluoride	0.066	J	2.50	2.33		mg/L		91	90 - 110	2	20
Sulfate	58		50.0	103		mg/L		90	90 - 110	2	20

Lab Sample ID: MB 180-353482/6
Matrix: Water
Analysis Batch: 353482

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/17/21 09:19	1
Fluoride	<0.026		0.10	0.026	mg/L			04/17/21 09:19	1

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: MB 180-353482/6
Matrix: Water
Analysis Batch: 353482

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			04/17/21 09:19	1

Lab Sample ID: LCS 180-353482/5
Matrix: Water
Analysis Batch: 353482

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.5		mg/L		99	90 - 110
Fluoride	2.50	2.33		mg/L		93	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: 180-119766-4 MS
Matrix: Water
Analysis Batch: 353482

Client Sample ID: GWC-53
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	13		50.0	63.1		mg/L		101	90 - 110
Fluoride	<0.026		2.50	2.36		mg/L		94	90 - 110
Sulfate	160		50.0	206	E	mg/L		96	90 - 110

Lab Sample ID: 180-119766-4 MSD
Matrix: Water
Analysis Batch: 353482

Client Sample ID: GWC-53
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13		50.0	62.9		mg/L		101	90 - 110	0	20
Fluoride	<0.026		2.50	2.35		mg/L		94	90 - 110	0	20
Sulfate	160		50.0	205	E	mg/L		94	90 - 110	0	20

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

Lab Sample ID: MB 180-353250/1-A
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/15/21 14:50	04/16/21 12:09	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/15/21 14:50	04/16/21 12:09	1
Barium	<0.0016		0.010	0.0016	mg/L		04/15/21 14:50	04/16/21 12:09	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/15/21 14:50	04/16/21 12:09	1
Boron	<0.039		0.080	0.039	mg/L		04/15/21 14:50	04/16/21 12:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/15/21 14:50	04/16/21 12:09	1
Calcium	<0.13		0.50	0.13	mg/L		04/15/21 14:50	04/16/21 12:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/15/21 14:50	04/16/21 12:09	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/15/21 14:50	04/16/21 12:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/15/21 14:50	04/16/21 12:09	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/15/21 14:50	04/16/21 12:09	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/15/21 14:50	04/16/21 12:09	1

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: MB 180-353250/1-A
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00015		0.0010	0.00015	mg/L		04/15/21 14:50	04/16/21 12:09	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/15/21 14:50	04/16/21 12:09	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/15/21 14:50	04/16/21 12:09	1

Lab Sample ID: LCS 180-353250/2-A
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.231		mg/L		92	80 - 120
Arsenic	1.00	0.992		mg/L		99	80 - 120
Barium	1.00	0.987		mg/L		99	80 - 120
Beryllium	0.500	0.469		mg/L		94	80 - 120
Boron	1.25	1.27		mg/L		102	80 - 120
Cadmium	0.500	0.493		mg/L		99	80 - 120
Calcium	25.0	28.1		mg/L		112	80 - 120
Chromium	0.500	0.495		mg/L		99	80 - 120
Cobalt	0.500	0.504		mg/L		101	80 - 120
Copper	0.500	0.481		mg/L		96	80 - 120
Lead	0.500	0.489		mg/L		98	80 - 120
Nickel	0.500	0.483		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.255		mg/L		102	80 - 120
Thallium	1.00	0.988		mg/L		99	80 - 120
Vanadium	0.500	0.492		mg/L		98	80 - 120
Zinc	0.250	0.262		mg/L		105	80 - 120

Lab Sample ID: 180-119476-3 MS
Matrix: Water
Analysis Batch: 353496

Client Sample ID: GWA-45
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.234		mg/L		94	75 - 125
Arsenic	<0.00031		1.00	0.982		mg/L		98	75 - 125
Barium	0.11		1.00	1.10		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.481		mg/L		96	75 - 125
Boron	1.1		1.25	2.43		mg/L		109	75 - 125
Cadmium	<0.00022		0.500	0.494		mg/L		99	75 - 125
Calcium	29		25.0	55.9		mg/L		109	75 - 125
Chromium	<0.0015		0.500	0.489		mg/L		98	75 - 125
Cobalt	0.0020	J	0.500	0.503		mg/L		100	75 - 125
Copper	<0.00063		0.500	0.482		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.496		mg/L		99	75 - 125
Nickel	0.00077	J	0.500	0.474		mg/L		95	75 - 125
Selenium	<0.0015		1.00	0.982		mg/L		98	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.01		mg/L		101	75 - 125
Vanadium	0.0014		0.500	0.495		mg/L		99	75 - 125
Zinc	0.0058		0.250	0.265		mg/L		104	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: 180-119476-3 MSD
Matrix: Water
Analysis Batch: 353496

Client Sample ID: GWA-45
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.236		mg/L		94	75 - 125	1	20
Arsenic	<0.00031		1.00	0.961		mg/L		96	75 - 125	2	20
Barium	0.11		1.00	1.11		mg/L		100	75 - 125	1	20
Beryllium	<0.00018		0.500	0.483		mg/L		97	75 - 125	1	20
Boron	1.1		1.25	2.40		mg/L		106	75 - 125	1	20
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125	0	20
Calcium	29		25.0	57.5		mg/L		115	75 - 125	3	20
Chromium	<0.0015		0.500	0.486		mg/L		97	75 - 125	1	20
Cobalt	0.0020	J	0.500	0.491		mg/L		98	75 - 125	2	20
Copper	<0.00063		0.500	0.472		mg/L		94	75 - 125	2	20
Lead	<0.00013		0.500	0.486		mg/L		97	75 - 125	2	20
Nickel	0.00077	J	0.500	0.479		mg/L		96	75 - 125	1	20
Selenium	<0.0015		1.00	0.995		mg/L		100	75 - 125	1	20
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125	1	20
Thallium	<0.00015		1.00	0.979		mg/L		98	75 - 125	3	20
Vanadium	0.0014		0.500	0.496		mg/L		99	75 - 125	0	20
Zinc	0.0058		0.250	0.265		mg/L		104	75 - 125	0	20

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	04/21/21 17:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	04/21/21 17:05	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 13:46	04/21/21 17:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	04/21/21 17:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	04/21/21 17:05	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 13:46	04/21/21 17:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	04/21/21 17:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	04/21/21 17:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	04/21/21 17:05	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	04/21/21 17:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	04/21/21 17:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	04/21/21 17:05	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 13:46	04/21/21 17:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	04/21/21 17:05	1

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 354281

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	04/22/21 11:25	1

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: LCS 180-353680/2-A
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.233		mg/L		93	80 - 120
Arsenic	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	0.999		mg/L		100	80 - 120
Beryllium	0.500	0.479		mg/L		96	80 - 120
Cadmium	0.500	0.489		mg/L		98	80 - 120
Calcium	25.0	30.1		mg/L		120	80 - 120
Chromium	0.500	0.490		mg/L		98	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Copper	0.500	0.491		mg/L		98	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.483		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.246		mg/L		98	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.501		mg/L		100	80 - 120
Zinc	0.250	0.248		mg/L		99	80 - 120

Lab Sample ID: LCS 180-353680/2-A
Matrix: Water
Analysis Batch: 354281

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.32		mg/L		106	80 - 120

Lab Sample ID: 180-118908-C-4-B MS
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.237		mg/L		95	75 - 125
Arsenic	0.00056	J	1.00	1.03		mg/L		103	75 - 125
Barium	0.026		1.00	1.03		mg/L		101	75 - 125
Beryllium	<0.00018		0.500	0.482		mg/L		96	75 - 125
Cadmium	<0.00022		0.500	0.491		mg/L		98	75 - 125
Calcium	34		25.0	62.6		mg/L		116	75 - 125
Chromium	<0.0015		0.500	0.498		mg/L		100	75 - 125
Cobalt	<0.00013		0.500	0.496		mg/L		99	75 - 125
Copper	0.0016	J	0.500	0.500		mg/L		100	75 - 125
Lead	0.00042	J	0.500	0.494		mg/L		99	75 - 125
Nickel	0.00034	J	0.500	0.483		mg/L		97	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Silver	<0.00018		0.250	0.247		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125
Vanadium	0.0011		0.500	0.509		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.253		mg/L		101	75 - 125

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: 180-118908-C-4-C MSD
Matrix: Water
Analysis Batch: 354110

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125	2	20
Arsenic	0.00056	J	1.00	1.06		mg/L		106	75 - 125	3	20
Barium	0.026		1.00	1.05		mg/L		102	75 - 125	1	20
Beryllium	<0.00018		0.500	0.486		mg/L		97	75 - 125	1	20
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125	1	20
Calcium	34		25.0	62.4		mg/L		115	75 - 125	0	20
Chromium	<0.0015		0.500	0.499		mg/L		100	75 - 125	0	20
Cobalt	<0.00013		0.500	0.506		mg/L		101	75 - 125	2	20
Copper	0.0016	J	0.500	0.507		mg/L		101	75 - 125	1	20
Lead	0.00042	J	0.500	0.499		mg/L		100	75 - 125	1	20
Nickel	0.00034	J	0.500	0.498		mg/L		100	75 - 125	3	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	1	20
Silver	<0.00018		0.250	0.254		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.03		mg/L		103	75 - 125	0	20
Vanadium	0.0011		0.500	0.510		mg/L		102	75 - 125	0	20
Zinc	<0.0032		0.250	0.257		mg/L		103	75 - 125	2	20

Lab Sample ID: MB 180-353689/1-A
Matrix: Water
Analysis Batch: 353926

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:16	04/20/21 19:17	1

Lab Sample ID: LCS 180-353689/2-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limit
		Added	Result				Qualifier	
Antimony	0.250	0.243		mg/L		97	80 - 120	
Arsenic	1.00	1.08		mg/L		108	80 - 120	
Barium	1.00	1.05		mg/L		105	80 - 120	
Beryllium	0.500	0.535		mg/L		107	80 - 120	
Boron	1.25	1.16		mg/L		92	80 - 120	
Cadmium	0.500	0.517		mg/L		103	80 - 120	
Calcium	25.0	29.4		mg/L		118	80 - 120	
Chromium	0.500	0.524		mg/L		105	80 - 120	
Cobalt	0.500	0.546		mg/L		109	80 - 120	
Copper	0.500	0.538		mg/L		108	80 - 120	
Lead	0.500	0.529		mg/L		106	80 - 120	
Nickel	0.500	0.538		mg/L		108	80 - 120	
Selenium	1.00	1.08		mg/L		108	80 - 120	
Silver	0.250	0.258		mg/L		103	80 - 120	
Thallium	1.00	1.14		mg/L		114	80 - 120	
Vanadium	0.500	0.531		mg/L		106	80 - 120	
Zinc	0.250	0.268		mg/L		107	80 - 120	

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: MB 180-353694/1-A
Matrix: Water
Analysis Batch: 354450

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353694

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 14:30	04/23/21 16:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 14:30	04/23/21 16:18	1
Beryllium	<0.00018	^+	0.0025	0.00018	mg/L		04/19/21 14:30	04/23/21 16:18	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 14:30	04/23/21 16:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 14:30	04/23/21 16:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 14:30	04/23/21 16:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 14:30	04/23/21 16:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 14:30	04/23/21 16:18	1
Nickel	0.000675	J	0.0010	0.00034	mg/L		04/19/21 14:30	04/23/21 16:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 14:30	04/23/21 16:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 14:30	04/23/21 16:18	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 14:30	04/23/21 16:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 14:30	04/23/21 16:18	1

Lab Sample ID: MB 180-353694/1-A
Matrix: Water
Analysis Batch: 354643

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353694

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 14:30	04/24/21 14:40	1
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 14:30	04/24/21 14:40	1

Lab Sample ID: LCS 180-353694/2-A
Matrix: Water
Analysis Batch: 354450

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.07		mg/L		107	80 - 120
Beryllium	0.500	0.531	^+	mg/L		106	80 - 120
Boron	1.25	1.22		mg/L		98	80 - 120
Cadmium	0.500	0.536		mg/L		107	80 - 120
Chromium	0.500	0.531		mg/L		106	80 - 120
Cobalt	0.500	0.527		mg/L		105	80 - 120
Copper	0.500	0.526		mg/L		105	80 - 120
Lead	0.500	0.524		mg/L		105	80 - 120
Nickel	0.500	0.522		mg/L		104	80 - 120
Selenium	1.00	1.10		mg/L		110	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.530		mg/L		106	80 - 120
Zinc	0.250	0.273		mg/L		109	80 - 120

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: LCS 180-353694/2-A
Matrix: Water
Analysis Batch: 354643

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Barium	1.00	1.05		mg/L		105	80 - 120
Calcium	25.0	28.6		mg/L		114	80 - 120

Lab Sample ID: 180-118908-D-10-E MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	0.00079	J	1.00	1.06		mg/L		106	75 - 125
Barium	0.023		1.00	1.04		mg/L		102	75 - 125
Beryllium	<0.00018		0.500	0.516		mg/L		103	75 - 125
Boron	0.051	J	1.25	1.21		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125
Calcium	30		25.0	58.8		mg/L		115	75 - 125
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.532		mg/L		106	75 - 125
Copper	0.0010	J	0.500	0.526		mg/L		105	75 - 125
Lead	0.00014	J	0.500	0.518		mg/L		103	75 - 125
Nickel	<0.00034		0.500	0.523		mg/L		105	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125
Thallium	0.00022	J	1.00	1.11		mg/L		111	75 - 125
Vanadium	0.0017		0.500	0.517		mg/L		103	75 - 125

Lab Sample ID: 180-118908-D-10-F MSD
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.00038		0.250	0.239		mg/L		95	75 - 125	0	20
Arsenic	0.00079	J	1.00	1.05		mg/L		105	75 - 125	1	20
Barium	0.023		1.00	1.04		mg/L		102	75 - 125	0	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20
Boron	0.051	J	1.25	1.23		mg/L		94	75 - 125	2	20
Cadmium	<0.00022		0.500	0.503		mg/L		101	75 - 125	0	20
Calcium	30		25.0	58.3		mg/L		113	75 - 125	1	20
Chromium	<0.0015		0.500	0.508		mg/L		102	75 - 125	0	20
Cobalt	<0.00013		0.500	0.528		mg/L		106	75 - 125	1	20
Copper	0.0010	J	0.500	0.522		mg/L		104	75 - 125	1	20
Lead	0.00014	J	0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	<0.00034		0.500	0.519		mg/L		104	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	0	20
Silver	<0.00018		0.250	0.250		mg/L		100	75 - 125	1	20
Thallium	0.00022	J	1.00	1.10		mg/L		110	75 - 125	1	20
Vanadium	0.0017		0.500	0.518		mg/L		103	75 - 125	0	20

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: 180-119011-D-10-B MS
Matrix: Water
Analysis Batch: 354450

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 353694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	0.00043	J	0.250	0.251		mg/L		100	75 - 125
Arsenic	0.0020		1.00	0.995		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.506		mg/L		101	75 - 125
Boron	0.36		1.25	1.61		mg/L		100	75 - 125
Cadmium	<0.00022		0.500	0.499		mg/L		100	75 - 125
Chromium	<0.0015		0.500	0.509		mg/L		102	75 - 125
Cobalt	<0.00013		0.500	0.549		mg/L		110	75 - 125
Copper	<0.00063		0.500	0.531		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.521		mg/L		104	75 - 125
Nickel	0.00074	J B	0.500	0.530		mg/L		106	75 - 125
Selenium	<0.0015		1.00	0.969		mg/L		97	75 - 125
Silver	<0.00018		0.250	0.243		mg/L		97	75 - 125
Thallium	<0.00015		1.00	1.06		mg/L		106	75 - 125
Vanadium	0.0019		0.500	0.519		mg/L		103	75 - 125
Zinc	0.0035	J	0.250	0.254		mg/L		100	75 - 125

Lab Sample ID: 180-119011-D-10-C MSD
Matrix: Water
Analysis Batch: 354450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 353694

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	0.00043	J	0.250	0.252		mg/L		101	75 - 125	0	20
Arsenic	0.0020		1.00	0.992		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.512		mg/L		102	75 - 125	1	20
Boron	0.36		1.25	1.57		mg/L		96	75 - 125	3	20
Cadmium	<0.00022		0.500	0.498		mg/L		100	75 - 125	0	20
Chromium	<0.0015		0.500	0.519		mg/L		104	75 - 125	2	20
Cobalt	<0.00013		0.500	0.562		mg/L		112	75 - 125	2	20
Copper	<0.00063		0.500	0.535		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125	2	20
Nickel	0.00074	J B	0.500	0.536		mg/L		107	75 - 125	1	20
Selenium	<0.0015		1.00	0.930		mg/L		93	75 - 125	4	20
Silver	<0.00018		0.250	0.238		mg/L		95	75 - 125	2	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	2	20
Vanadium	0.0019		0.500	0.518		mg/L		103	75 - 125	0	20
Zinc	0.0035	J	0.250	0.267		mg/L		105	75 - 125	5	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-353602/1-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 08:49	04/20/21 11:10	1

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QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: LCS 180-353602/2-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353602
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00291		mg/L		116	80 - 120

Lab Sample ID: 180-119475-B-8-C MS
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353602
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013	F1	0.00100	0.000382	F1	mg/L		38	75 - 125

Lab Sample ID: 180-119475-B-8-D MSD
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353602
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013	F1	0.00100	0.000404	F1	mg/L		40	75 - 125	6	20

Lab Sample ID: MB 180-353607/1-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/19/21 09:00	04/20/21 12:31	1

Lab Sample ID: LCS 180-353607/2-A
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353607
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

Lab Sample ID: 460-231773-C-7-C MS
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353607
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00120		mg/L		120	75 - 125

Lab Sample ID: 460-231773-C-7-D MSD
Matrix: Water
Analysis Batch: 353846

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353607
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00112		mg/L		112	75 - 125	7	20

Lab Sample ID: MB 180-353839/1-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

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QC Sample Results

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

Job ID: 180-119476-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: LCS 180-353839/2-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353839
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

Lab Sample ID: 180-119649-M-1-C MS
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353839
%Rec. Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

Lab Sample ID: 180-119649-M-1-D MSD
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353839
%Rec. RPD Limit

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

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

Lab Sample ID: MB 180-352625/2
Matrix: Water
Analysis Batch: 352625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:01	1

Lab Sample ID: LCS 180-352625/1
Matrix: Water
Analysis Batch: 352625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	486	462		mg/L		95	80 - 120

Lab Sample ID: 180-119508-A-9 DU
Matrix: Water
Analysis Batch: 352625

Client Sample ID: Duplicate
Prep Type: Total/NA
RPD Limit

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	700		674		mg/L		4	10

Lab Sample ID: MB 180-352626/2
Matrix: Water
Analysis Batch: 352626

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:05	1

QC Sample Results

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

Job ID: 180-119476-1

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

Lab Sample ID: LCS 180-352626/1
Matrix: Water
Analysis Batch: 352626

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	490		mg/L		101	80 - 120

Lab Sample ID: 180-119465-B-1 DU
Matrix: Water
Analysis Batch: 352626

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		145		mg/L		0.7	10

Lab Sample ID: MB 180-352627/2
Matrix: Water
Analysis Batch: 352627

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/21 17:09	1

Lab Sample ID: LCS 180-352627/1
Matrix: Water
Analysis Batch: 352627

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	444		mg/L		91	80 - 120

Lab Sample ID: 180-119606-4 DU
Matrix: Water
Analysis Batch: 352627

Client Sample ID: GWC-51
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	66		64.0		mg/L		3	10

Lab Sample ID: MB 180-352947/2
Matrix: Water
Analysis Batch: 352947

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/13/21 19:18	1

Lab Sample ID: LCS 180-352947/1
Matrix: Water
Analysis Batch: 352947

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	457	432		mg/L		95	80 - 120

Lab Sample ID: 180-119766-4 DU
Matrix: Water
Analysis Batch: 352947

Client Sample ID: GWC-53
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	250		270		mg/L		9	10

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QC Association Summary

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

Job ID: 180-119476-1

HPLC/IC

Analysis Batch: 352845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	EPA 300.0 R2.1	
180-119606-2	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-119606-3	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-119606-4	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
180-119606-7	FB-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-352845/29	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-352845/28	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5 MS	GWC-52	Total/NA	Water	EPA 300.0 R2.1	
180-119606-5 MSD	GWC-52	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 353150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	EPA 300.0 R2.1	
180-119476-2	GWA-22	Total/NA	Water	EPA 300.0 R2.1	
180-119476-3	GWA-45	Total/NA	Water	EPA 300.0 R2.1	
180-119606-2	GWA-47	Total/NA	Water	EPA 300.0 R2.1	
180-119606-3	GWA-48	Total/NA	Water	EPA 300.0 R2.1	
180-119606-4	GWC-51	Total/NA	Water	EPA 300.0 R2.1	
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/21	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353150/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/20	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353150/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119473-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	
180-119526-A-7 MS	Matrix Spike	Total/NA	Water	EPA 300.0 R2.1	
180-119526-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 353482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	EPA 300.0 R2.1	
180-119766-2	GWC-29	Total/NA	Water	EPA 300.0 R2.1	
180-119766-3	GWC-50	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-119766-5	EB-1 (PA)	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353482/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353482/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4 MS	GWC-53	Total/NA	Water	EPA 300.0 R2.1	
180-119766-4 MSD	GWC-53	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 353250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total Recoverable	Water	3005A	
180-119476-2	GWA-22	Total Recoverable	Water	3005A	
180-119476-3	GWA-45	Total Recoverable	Water	3005A	
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 180-119476-1

Metals (Continued)

Prep Batch: 353250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-3 MS	GWA-45	Total Recoverable	Water	3005A	
180-119476-3 MSD	GWA-45	Total Recoverable	Water	3005A	

Analysis Batch: 353496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total Recoverable	Water	EPA 6020B	353250
180-119476-2	GWA-22	Total Recoverable	Water	EPA 6020B	353250
180-119476-3	GWA-45	Total Recoverable	Water	EPA 6020B	353250
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353250
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353250
180-119476-3 MS	GWA-45	Total Recoverable	Water	EPA 6020B	353250
180-119476-3 MSD	GWA-45	Total Recoverable	Water	EPA 6020B	353250

Prep Batch: 353602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	7470A	
180-119476-2	GWA-22	Total/NA	Water	7470A	
180-119476-3	GWA-45	Total/NA	Water	7470A	
MB 180-353602/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 353607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	7470A	
180-119606-2	GWA-47	Total/NA	Water	7470A	
180-119606-3	GWA-48	Total/NA	Water	7470A	
180-119606-4	GWC-51	Total/NA	Water	7470A	
180-119606-5	GWC-52	Total/NA	Water	7470A	
180-119606-6	DUP-1 (PA)	Total/NA	Water	7470A	
180-119606-7	FB-1 (PA)	Total/NA	Water	7470A	
MB 180-353607/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353607/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-231773-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	
460-231773-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	3005A	
180-119606-2	GWA-47	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	3005A	
180-119606-4	GWC-51	Total Recoverable	Water	3005A	
180-119606-5	GWC-52	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 180-119476-1

Metals (Continued)

Prep Batch: 353689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	3005A	
180-119606-7	FB-1 (PA)	Total Recoverable	Water	3005A	
180-119766-1	GWA-49	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Prep Batch: 353694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	3005A	
180-119766-3	GWC-50	Total Recoverable	Water	3005A	
180-119766-4	GWC-53	Total Recoverable	Water	3005A	
180-119766-5	EB-1 (PA)	Total Recoverable	Water	3005A	
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119011-D-10-B MS	Matrix Spike	Dissolved	Water	3005A	
180-119011-D-10-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	7470A	
180-119766-2	GWC-29	Total/NA	Water	7470A	
180-119766-3	GWC-50	Total/NA	Water	7470A	
180-119766-4	GWC-53	Total/NA	Water	7470A	
180-119766-5	EB-1 (PA)	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 353846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	EPA 7470A	353602
180-119476-2	GWA-22	Total/NA	Water	EPA 7470A	353602
180-119476-3	GWA-45	Total/NA	Water	EPA 7470A	353602
180-119606-1	GWA-46	Total/NA	Water	EPA 7470A	353607
180-119606-2	GWA-47	Total/NA	Water	EPA 7470A	353607
180-119606-3	GWA-48	Total/NA	Water	EPA 7470A	353607
180-119606-4	GWC-51	Total/NA	Water	EPA 7470A	353607
180-119606-5	GWC-52	Total/NA	Water	EPA 7470A	353607
180-119606-6	DUP-1 (PA)	Total/NA	Water	EPA 7470A	353607
180-119606-7	FB-1 (PA)	Total/NA	Water	EPA 7470A	353607
MB 180-353602/1-A	Method Blank	Total/NA	Water	EPA 7470A	353602
MB 180-353607/1-A	Method Blank	Total/NA	Water	EPA 7470A	353607
LCS 180-353602/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353602
LCS 180-353607/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353607
180-119475-B-8-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353602
180-119475-B-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353602
460-231773-C-7-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353607
460-231773-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353607

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119476-1

Metals

Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119766-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689

Analysis Batch: 353926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119766-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	EPA 7470A	353839
180-119766-2	GWC-29	Total/NA	Water	EPA 7470A	353839
180-119766-3	GWC-50	Total/NA	Water	EPA 7470A	353839
180-119766-4	GWC-53	Total/NA	Water	EPA 7470A	353839
180-119766-5	EB-1 (PA)	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

Analysis Batch: 354110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353680
180-118908-C-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353680

Analysis Batch: 354281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680

QC Association Summary

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

Job ID: 180-119476-1

Metals

Analysis Batch: 354450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	EPA 6020B	353694
180-119766-3	GWC-50	Total Recoverable	Water	EPA 6020B	353694
180-119766-4	GWC-53	Total Recoverable	Water	EPA 6020B	353694
180-119766-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353694
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353694
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353694
180-119011-D-10-B MS	Matrix Spike	Dissolved	Water	EPA 6020B	353694
180-119011-D-10-C MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353694

Analysis Batch: 354643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total Recoverable	Water	EPA 6020B	353694
180-119766-3	GWC-50	Total Recoverable	Water	EPA 6020B	353694
180-119766-4	GWC-53	Total Recoverable	Water	EPA 6020B	353694
180-119766-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353694
MB 180-353694/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353694
LCS 180-353694/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353694

General Chemistry

Analysis Batch: 352625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	SM 2540C	
180-119606-2	GWA-47	Total/NA	Water	SM 2540C	
180-119606-3	GWA-48	Total/NA	Water	SM 2540C	
MB 180-352625/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352625/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119508-A-9 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 352626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	SM 2540C	
180-119476-2	GWA-22	Total/NA	Water	SM 2540C	
180-119476-3	GWA-45	Total/NA	Water	SM 2540C	
MB 180-352626/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352626/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119465-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 352627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-4	GWC-51	Total/NA	Water	SM 2540C	
180-119606-5	GWC-52	Total/NA	Water	SM 2540C	
180-119606-6	DUP-1 (PA)	Total/NA	Water	SM 2540C	
180-119606-7	FB-1 (PA)	Total/NA	Water	SM 2540C	
MB 180-352627/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352627/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119606-4 DU	GWC-51	Total/NA	Water	SM 2540C	

Analysis Batch: 352947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-1	GWA-49	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119476-1

General Chemistry (Continued)

Analysis Batch: 352947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119766-2	GWC-29	Total/NA	Water	SM 2540C	
180-119766-3	GWC-50	Total/NA	Water	SM 2540C	
180-119766-4	GWC-53	Total/NA	Water	SM 2540C	
180-119766-5	EB-1 (PA)	Total/NA	Water	SM 2540C	
MB 180-352947/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-352947/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119766-4 DU	GWC-53	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119476-1	GWA-21	Total/NA	Water	Field Sampling	
180-119476-2	GWA-22	Total/NA	Water	Field Sampling	
180-119476-3	GWA-45	Total/NA	Water	Field Sampling	

Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	Field Sampling	
180-119606-2	GWA-47	Total/NA	Water	Field Sampling	
180-119606-3	GWA-48	Total/NA	Water	Field Sampling	
180-119606-4	GWC-51	Total/NA	Water	Field Sampling	
180-119606-5	GWC-52	Total/NA	Water	Field Sampling	
180-119766-1	GWA-49	Total/NA	Water	Field Sampling	
180-119766-2	GWC-29	Total/NA	Water	Field Sampling	
180-119766-3	GWC-50	Total/NA	Water	Field Sampling	
180-119766-4	GWC-53	Total/NA	Water	Field Sampling	

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

Chain of Custody Record



TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other:

Client Contact		Project Manager: Dawn Prell		Site Contact: Dawn Prell		Date: 4.6.2021		COC No:	
Joiu Abraham		Tel/Fax: 248-536-5445		Lab Contact: Shaili Brown		Carrier:		1 of 1 COCs	
Southern Company		Analysis Turnaround Time		Perform MS / MSD (Y / N)		Filtered Sample (Y / N)		Sampler:	
241 Ralph McGill Blvd SE B10185		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		6020, 7470A: As, Ba, B, Be, Ca, Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se, Ag, Tl, Vn, Zn		Cf, F, SO4, TDS		For Lab Use Only:	
Atlanta, GA 30308		TAT if different from Below: 3-5 days		Ag, Tl, Vn, Zn				Walk-in Client:	
JAbraham@southernco.com		2 weeks <input type="checkbox"/>		Sample Type (C=Comp, G=Grab)				Lab Sampling:	
Project Name: CCR - Plant Scherer PAC Ash Cell		1 week <input type="checkbox"/>		Sample Date				Job / SDG No.:	
Site: Georgia		2 days <input type="checkbox"/>		Sample Time					
P O #		1 day <input type="checkbox"/>		Matrix					
				# of Cont.					

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Ag, Tl, Vn, Zn	Cd, Cr, Co, Cu, Pb, Hg, Ni, Sb, Se	Cf, F, SO4, TDS	Sample Specific Notes:
GWA-49	4/6/2021	10:10	G	GW	4	X	X	X	pH= 6.87
GWC-29	4/6/2021	13:50	G	GW	4	X	X	X	pH= 6.30
GWC-50	4/6/2021	13:39	G	GW	4	X	X	X	pH= 5.76
GWC-53	4/6/2021	12:01	G	GW	4	X	X	X	pH= 5.67
EB-1 (PA)	4/6/2021	09:15	G	W	4	X	X	X	



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Poison B Unknown Return to Client Disposal by Lab Archive for Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temp. (°C): Obs'd: _____		Therm ID No.: _____	
Relinquished by: <i>John R. E.</i>		Relinquished by: <i>Blaine Cook</i>		Company: <i>Courier New</i>	
Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>	
Relinquished by: <i>Seay Jy</i>		Relinquished by: <i>ETN</i>		Company: <i>ETN</i>	
Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>	
Relinquished by: <i>Seay Jy</i>		Relinquished by: <i>Blaine Cook</i>		Company: <i>Courier New</i>	
Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>		Date/Time: <i>4/12/21</i>	



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119476-1

Login Number: 119476

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119476-1

Login Number: 119606

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Abernathy, Eric

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119476-1

Login Number: 119766

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

ANALYTICAL REPORT

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

Laboratory Job ID: 180-119477-1

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions

For:

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

Attn: Joju Abraham



Authorized for release by:
4/26/2021 10:26:10 PM

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

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



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Case Narrative

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

Job ID: 180-119477-1

Job ID: 180-119477-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

**Job Narrative
180-119477-1**

Comments

No additional comments.

Receipt

The samples were received on 4/3/2021 10:45 AM and 4/8/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.9° C, 2.9° C, 3.6° C, 3.7° C, 3.8° C and 3.8° C.

Receipt Exceptions

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-21 (180-119477-1). The container labels list a sample collection time of 12:07, while the COC lists 11:19. The time on the COC was used.

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-22 (180-119477-2). The container labels list a sample collection time of 11:19 while the COC lists 12:07. The time on the COC was used.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no relinquished by time listed on the COC's.

Metals

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

Field Service / Mobile Lab

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

General Chemistry

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

Definitions/Glossary

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

Job ID: 180-119477-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119477-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

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

Job ID: 180-119477-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119477-1	GWA-21	Water	04/02/21 11:19	04/03/21 10:45	
180-119477-2	GWA-22	Water	04/02/21 12:07	04/03/21 10:45	
180-119477-3	GWA-45	Water	04/02/21 11:30	04/03/21 10:45	
180-119764-1	GWA-49	Water	04/06/21 10:10	04/08/21 09:30	
180-119764-2	GWC-29	Water	04/06/21 13:50	04/08/21 09:30	
180-119764-3	GWC-50	Water	04/06/21 13:39	04/08/21 09:30	
180-119764-4	GWC-53	Water	04/06/21 12:01	04/08/21 09:30	
180-119764-5	EB-1 (PA)	Water	04/06/21 09:15	04/08/21 09:30	

Method Summary

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

Job ID: 180-119477-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
SM2320 B	Alkalinity, Total	SM18	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-119477-1

Client Sample ID: GWA-21

Lab Sample ID: 180-119477-1

Date Collected: 04/02/21 11:19

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 12:59	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM2320 B		1			353175	04/15/21 01:46	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	04/02/21 11:19	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-22

Lab Sample ID: 180-119477-2

Date Collected: 04/02/21 12:07

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:13	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM2320 B		1			353175	04/15/21 01:54	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	04/02/21 12:07	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-45

Lab Sample ID: 180-119477-3

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353250	04/15/21 14:50	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353496	04/16/21 13:16	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM2320 B		1			353175	04/15/21 02:03	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352098	04/02/21 11:30	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: GWA-49

Lab Sample ID: 180-119764-1

Date Collected: 04/06/21 10:10

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:38	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:28	REI	TAL PIT
Instrument ID: PCTITRATOR										
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 10:10	FDS	TAL PIT
Instrument ID: NOEQUIP										

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

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

Job ID: 180-119477-1

Client Sample ID: GWC-29

Lab Sample ID: 180-119764-2

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:42	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 17:37	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:50	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-50

Lab Sample ID: 180-119764-3

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:53	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:04	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 13:39	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-53

Lab Sample ID: 180-119764-4

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 15:56	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:13	REI	TAL PIT
		Instrument ID: PCTITRATOR								
Total/NA	Analysis	Field Sampling		1			352759	04/06/21 12:01	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: EB-1 (PA)

Lab Sample ID: 180-119764-5

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			353919	04/20/21 16:00	RSK	TAL PIT
		Instrument ID: A								
Total/NA	Analysis	SM2320 B		1			353358	04/15/21 18:21	REI	TAL PIT
		Instrument ID: PCTITRATOR								

Lab Chronicle

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

Job ID: 180-119477-1

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

TJO = Tyler Oliver

Batch Type: Analysis

FDS = Sampler Field

REI = Rachel Innocenzi

RSK = Robert Kurtz

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Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWA-21
 Date Collected: 04/02/21 11:19
 Date Received: 04/03/21 10:45

Lab Sample ID: 180-119477-1
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.4		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 12:59	1
Potassium	0.63		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 12:59	1
Sodium	8.2		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	50		5.0	5.0	mg/L			04/15/21 01:46	1
Bicarbonate Alkalinity as CaCO3	50		5.0	5.0	mg/L			04/15/21 01:46	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:46	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.06				SU			04/02/21 11:19	1

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

Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWA-22

Lab Sample ID: 180-119477-2

Date Collected: 04/02/21 12:07

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.7		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:13	1
Potassium	0.82		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:13	1
Sodium	5.2		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	52		5.0	5.0	mg/L			04/15/21 01:54	1
Bicarbonate Alkalinity as CaCO3	52		5.0	5.0	mg/L			04/15/21 01:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.03				SU			04/02/21 12:07	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWA-45

Lab Sample ID: 180-119477-3

Date Collected: 04/02/21 11:30

Matrix: Water

Date Received: 04/03/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	13		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 13:16	1
Potassium	2.5		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 13:16	1
Sodium	48		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	20		5.0	5.0	mg/L			04/15/21 02:03	1
Bicarbonate Alkalinity as CaCO3	20		5.0	5.0	mg/L			04/15/21 02:03	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 02:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/02/21 11:30	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWA-49

Lab Sample ID: 180-119764-1

Date Collected: 04/06/21 10:10

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.80		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:38	1
Magnesium	7.8		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:38	1
Sodium	6.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	70		5.0	5.0	mg/L			04/15/21 17:28	1
Bicarbonate Alkalinity as CaCO3	70		5.0	5.0	mg/L			04/15/21 17:28	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.87				SU			04/06/21 10:10	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWC-29

Lab Sample ID: 180-119764-2

Date Collected: 04/06/21 13:50

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.66		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:42	1
Magnesium	10		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:42	1
Sodium	6.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	87		5.0	5.0	mg/L			04/15/21 17:37	1
Bicarbonate Alkalinity as CaCO3	87		5.0	5.0	mg/L			04/15/21 17:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 17:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.30				SU			04/06/21 13:50	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWC-50

Lab Sample ID: 180-119764-3

Date Collected: 04/06/21 13:39

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.54		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:53	1
Magnesium	3.6		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:53	1
Sodium	5.1		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	44		5.0	5.0	mg/L			04/15/21 18:04	1
Bicarbonate Alkalinity as CaCO3	44		5.0	5.0	mg/L			04/15/21 18:04	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:04	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.76				SU			04/06/21 13:39	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: GWC-53

Lab Sample ID: 180-119764-4

Date Collected: 04/06/21 12:01

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.4		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 15:56	1
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 15:56	1
Sodium	53		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	9.1		5.0	5.0	mg/L			04/15/21 18:13	1
Bicarbonate Alkalinity as CaCO3	9.1		5.0	5.0	mg/L			04/15/21 18:13	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.67				SU			04/06/21 12:01	1



Client Sample Results

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

Job ID: 180-119477-1

Client Sample ID: EB-1 (PA)

Lab Sample ID: 180-119764-5

Date Collected: 04/06/21 09:15

Matrix: Water

Date Received: 04/08/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	04/20/21 16:00	1
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	04/20/21 16:00	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	04/20/21 16:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 18:21	1

QC Sample Results

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

Job ID: 180-119477-1

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

Lab Sample ID: MB 180-353250/1-A
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Potassium	<0.16		0.50	0.16	mg/L		04/15/21 14:50	04/16/21 12:09	1
Magnesium	<0.083		0.50	0.083	mg/L		04/15/21 14:50	04/16/21 12:09	1
Sodium	<0.35		0.50	0.35	mg/L		04/15/21 14:50	04/16/21 12:09	1

Lab Sample ID: LCS 180-353250/2-A
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	25.4		mg/L		102	80 - 120
Sodium	25.0	25.6		mg/L		103	80 - 120

Lab Sample ID: 180-119476-B-3-B MS
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	13		25.0	37.5		mg/L		99	75 - 125
Sodium	47		25.0	71.8		mg/L		98	75 - 125

Lab Sample ID: 180-119476-B-3-C MSD
Matrix: Water
Analysis Batch: 353496

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Magnesium	13		25.0	38.0		mg/L		101	75 - 125	1	20
Sodium	47		25.0	73.0		mg/L		103	75 - 125	2	20

Lab Sample ID: LCS 180-353689/2-A
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	25.0	26.4		mg/L		106	80 - 120
Sodium	25.0	26.7		mg/L		107	80 - 120

Lab Sample ID: 180-118908-D-10-E MS
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	6.6		25.0	32.0		mg/L		101	75 - 125
Sodium	48		25.0	69.2		mg/L		85	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119477-1

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

Lab Sample ID: 180-118908-D-10-F MSD
Matrix: Water
Analysis Batch: 353919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 353689

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Potassium	3.3		25.0	30.5		mg/L		109	75 - 125	1	20
Magnesium	6.6		25.0	31.9		mg/L		101	75 - 125	0	20
Sodium	48		25.0	69.7		mg/L		87	75 - 125	1	20

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-353175/60
Matrix: Water
Analysis Batch: 353175

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 01:19	1

Lab Sample ID: LCS 180-353175/59
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Alkalinity as CaCO3 to pH 4.5	250	228		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-353175/58
Matrix: Water
Analysis Batch: 353175

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

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	21.3		mg/L		107	90 - 110

Lab Sample ID: 180-119471-B-1 DU
Matrix: Water
Analysis Batch: 353175

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3 to pH 4.5	120		115		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	120		115		mg/L		3	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-353358/73
Matrix: Water
Analysis Batch: 353358

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/15/21 16:36	1

QC Sample Results

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

Job ID: 180-119477-1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LCS 180-353358/72
Matrix: Water
Analysis Batch: 353358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	250	245		mg/L		98	90 - 110

Lab Sample ID: LLCS 180-353358/71
Matrix: Water
Analysis Batch: 353358

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3 to pH 4.5	20.0	20.3		mg/L		102	90 - 110

Lab Sample ID: 180-119508-B-10 DU
Matrix: Water
Analysis Batch: 353358

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	95		90.7		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	95		90.7		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

QC Association Summary

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

Job ID: 180-119477-1

Metals

Prep Batch: 353250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total Recoverable	Water	3005A	
180-119477-2	GWA-22	Total Recoverable	Water	3005A	
180-119477-3	GWA-45	Total Recoverable	Water	3005A	
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 353496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total Recoverable	Water	EPA 6020B	353250
180-119477-2	GWA-22	Total Recoverable	Water	EPA 6020B	353250
180-119477-3	GWA-45	Total Recoverable	Water	EPA 6020B	353250
MB 180-353250/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353250
LCS 180-353250/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353250
180-119476-B-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353250

Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total Recoverable	Water	3005A	
180-119764-2	GWC-29	Total Recoverable	Water	3005A	
180-119764-3	GWC-50	Total Recoverable	Water	3005A	
180-119764-4	GWC-53	Total Recoverable	Water	3005A	
180-119764-5	EB-1 (PA)	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	3005A	
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Analysis Batch: 353919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total Recoverable	Water	EPA 6020B	353689
180-119764-2	GWC-29	Total Recoverable	Water	EPA 6020B	353689
180-119764-3	GWC-50	Total Recoverable	Water	EPA 6020B	353689
180-119764-4	GWC-53	Total Recoverable	Water	EPA 6020B	353689
180-119764-5	EB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689
180-118908-D-10-E MS	Matrix Spike	Dissolved	Water	EPA 6020B	353689
180-118908-D-10-F MSD	Matrix Spike Duplicate	Dissolved	Water	EPA 6020B	353689

General Chemistry

Analysis Batch: 353175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total/NA	Water	SM2320 B	
180-119477-2	GWA-22	Total/NA	Water	SM2320 B	
180-119477-3	GWA-45	Total/NA	Water	SM2320 B	
MB 180-353175/60	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353175/59	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353175/58	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119471-B-1 DU	Duplicate	Total/NA	Water	SM2320 B	

Eurofins TestAmerica, Pittsburgh

QC Association Summary

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

Job ID: 180-119477-1

General Chemistry

Analysis Batch: 353358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total/NA	Water	SM2320 B	
180-119764-2	GWC-29	Total/NA	Water	SM2320 B	
180-119764-3	GWC-50	Total/NA	Water	SM2320 B	
180-119764-4	GWC-53	Total/NA	Water	SM2320 B	
180-119764-5	EB-1 (PA)	Total/NA	Water	SM2320 B	
MB 180-353358/73	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-353358/72	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-353358/71	Lab Control Sample	Total/NA	Water	SM2320 B	
180-119508-B-10 DU	Duplicate	Total/NA	Water	SM2320 B	

Field Service / Mobile Lab

Analysis Batch: 352098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119477-1	GWA-21	Total/NA	Water	Field Sampling	
180-119477-2	GWA-22	Total/NA	Water	Field Sampling	
180-119477-3	GWA-45	Total/NA	Water	Field Sampling	

Analysis Batch: 352759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119764-1	GWA-49	Total/NA	Water	Field Sampling	
180-119764-2	GWC-29	Total/NA	Water	Field Sampling	
180-119764-3	GWC-50	Total/NA	Water	Field Sampling	
180-119764-4	GWC-53	Total/NA	Water	Field Sampling	

Regulatory Program: DW NPDES RCRA Other: _____

Client Contact
 Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445
 Date: 4.2.2021
 Carrier: _____

Site Contact: Dawn Prell
 Lab Contact: Shali Brown

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below: 3-5 days _____
 2 weeks
 1 week
 2 days
 1 day

Client Contact
 Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 JAbraham@southernco.com

Project Name: CCR - PAC Ash Cell Major Ions
 Site: Georgia
 P O # 18019884

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
						Y	N	Y	N			
GWA-21	4/2/2021	11:19	G	GW	4					X	X	pH= 6.06
GWA-22	4/2/2021	12:07	G	GW	4					X	X	pH= 6.03
GWA-45	4/2/2021	11:30	G	GW	4					X	X	pH= 5.92



180-119477 Chain of Custody

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

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

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Custody Seals Intact: Yes No

Relinquished by: [Signature] Company: GACOR Ass Date/Time: 4/2/2021
 Relinquished by: [Signature] Company: GACOR Ass Date/Time: 4/2/1757
 Relinquished by: [Signature] Company: ETR Date/Time: 4/2/21

Received by: [Signature] Company: ETR Date/Time: 4/2/21
 Received in Laboratory by: [Signature] Date/Time: 4-3-21



TestAmerica Pittsburgh

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

Chain of Custody Record



TestAmerica Laboratories, Inc.

COC No: 1 of 1 COCs

Date: 4.6.2021

Carrier:

Regulatory Program: DW NPDES RCRA Other:

Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445

Client Contact: Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 JAbraham@southernco.com
 Project Name: CCR - Plant Scherer PAC Ash Cell Major Ions
 Site: Georgia
 P O #

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below: 3-5 days
 2 weeks
 1 week
 2 days
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/alkalinity	K, Na, Mg	Sample Specific Notes:
GWA-49	4/6/2021	10:10	G	GW	4			X	X	pH= 6.87
GWC-29	4/6/2021	13:50	G	GW	4			X	X	pH= 6.30
GWC-50	4/6/2021	13:39	G	GW	4			X	X	pH= 5.76
GWC-53	4/6/2021	12:01	G	GW	4			X	X	pH= 5.67
EB-1 (PA)	4/6/2021	09:15	G	W	4			X	X	



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other
 Possible Hazard Identification: _____
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Poison B Unknown
 Return to Client Disposal by Lab Archive for: _____ Months

Special Instructions/QC Requirements & Comments:

Cooler Temp. (°C): Obs'd: _____
 Relinquished by: *Ben Zee* Company: *Golder* Date/Time: *4-7-2021 10:00*
 Relinquished by: *Ray Jay* Company: *ETA* Date/Time: *4/21/21 10:00*
 Relinquished by: _____ Company: _____ Date/Time: _____

Received in Laboratory by: *Shirley Webb* Date/Time: *4-21-21 10:00*
 Received by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119477-1

Login Number: 119477

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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: 180-119477-1

Login Number: 119764

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

ANALYTICAL REPORT

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

Laboratory Job ID: 180-119604-2
Client Project/Site: Plant Scherer Cell 1

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

Attn: Joju Abraham



Authorized for release by:
6/7/2021 8:16:34 PM

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

LINKS

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www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416



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Case Narrative

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

Job ID: 180-119604-2

Job ID: 180-119604-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

**Job Narrative
180-119604-2**

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 3.4° C.

Metals

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

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Definitions/Glossary

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

Job ID: 180-119604-2

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119604-2

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21 *
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21 *
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	05-30-22
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

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

Eurofins TestAmerica, Pittsburgh



Sample Summary

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

Job ID: 180-119604-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119604-1	GWC-6	Water	04/05/21 16:42	04/07/21 09:30	
180-119604-2	GWC-8A	Water	04/05/21 12:54	04/07/21 09:30	
180-119604-3	GWC-19	Water	04/05/21 12:50	04/07/21 09:30	
180-119604-4	GWC-20	Water	04/05/21 11:50	04/07/21 09:30	

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Method Summary

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

Job ID: 180-119604-2

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Lab Chronicle

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

Job ID: 180-119604-2

Client Sample ID: GWC-6
Date Collected: 04/05/21 16:42
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353428	04/16/21 13:15	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:17	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 16:42	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-8A
Date Collected: 04/05/21 12:54
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:41	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 12:54	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-19
Date Collected: 04/05/21 12:50
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:43	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 12:50	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-20
Date Collected: 04/05/21 11:50
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:46	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359590	04/05/21 11:50	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-119604-2

Analyst References:

- Lab: TAL PIT
- Batch Type: Prep
 - KEM = Kimberly Mahoney
 - TJO = Tyler Oliver
- Batch Type: Analysis
 - QDR = Quinita Reynolds
 - RSK = Robert Kurtz



Client Sample Results

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

Job ID: 180-119604-2

Client Sample ID: GWC-6

Lab Sample ID: 180-119604-1

Date Collected: 04/05/21 16:42

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:15	06/02/21 13:17	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	06/02/21 13:17	1
Barium	0.054		0.010	0.0016	mg/L		04/16/21 13:15	06/02/21 13:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	06/02/21 13:17	1
Boron	0.042	J	0.080	0.039	mg/L		04/16/21 13:15	06/02/21 13:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	06/02/21 13:17	1
Calcium	16		0.50	0.13	mg/L		04/16/21 13:15	06/02/21 13:17	1
Chromium	0.0050		0.0020	0.0015	mg/L		04/16/21 13:15	06/02/21 13:17	1
Cobalt	0.00015	J	0.0025	0.00013	mg/L		04/16/21 13:15	06/02/21 13:17	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:15	06/02/21 13:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	06/02/21 13:17	1
Nickel	0.00088	J	0.0010	0.00034	mg/L		04/16/21 13:15	06/02/21 13:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	06/02/21 13:17	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:15	06/02/21 13:17	1
Thallium	0.00030	J B	0.0010	0.00015	mg/L		04/16/21 13:15	06/02/21 13:17	1
Vanadium	0.0091		0.0010	0.00099	mg/L		04/16/21 13:15	06/02/21 13:17	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:15	06/02/21 13:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.36				SU			04/05/21 16:42	1

Client Sample Results

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

Job ID: 180-119604-2

Client Sample ID: GWC-8A
Date Collected: 04/05/21 12:54
Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:41	1
Arsenic	0.00097	J	0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:41	1
Barium	0.045		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:41	1
Beryllium	0.00038	J B	0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:41	1
Boron	0.18		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:41	1
Cadmium	0.00030	J	0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:41	1
Calcium	52		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:41	1
Cobalt	0.0026		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:41	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:41	1
Lead	0.00034	J B	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:41	1
Nickel	0.0058		0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:41	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:41	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:41	1
Thallium	0.00081	J B	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:41	1
Vanadium	0.0023		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:41	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.35				SU			04/05/21 12:54	1

Client Sample Results

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

Job ID: 180-119604-2

Client Sample ID: GWC-19

Lab Sample ID: 180-119604-3

Date Collected: 04/05/21 12:50

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:43	1
Barium	0.028		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:43	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:43	1
Calcium	15		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:43	1
Chromium	0.012		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:43	1
Lead	0.00014	J B	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:43	1
Nickel	0.00047	J	0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:43	1
Thallium	0.00032	J B	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:43	1
Vanadium	0.0068		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.37				SU			04/05/21 12:50	1

Client Sample Results

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

Job ID: 180-119604-2

Client Sample ID: GWC-20
 Date Collected: 04/05/21 11:50
 Date Received: 04/07/21 09:30

Lab Sample ID: 180-119604-4
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:46	1
Barium	0.029		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:46	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:46	1
Calcium	14		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:46	1
Chromium	0.0080		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:46	1
Nickel	0.00048 J		0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:46	1
Vanadium	0.017		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:46	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.64				SU			04/05/21 11:50	1

QC Sample Results

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

Job ID: 180-119604-2

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

Lab Sample ID: MB 180-353428/1-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/16/21 13:15	06/02/21 13:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/16/21 13:15	06/02/21 13:11	1
Barium	<0.0016		0.010	0.0016	mg/L		04/16/21 13:15	06/02/21 13:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/16/21 13:15	06/02/21 13:11	1
Boron	<0.039		0.080	0.039	mg/L		04/16/21 13:15	06/02/21 13:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/16/21 13:15	06/02/21 13:11	1
Calcium	<0.13		0.50	0.13	mg/L		04/16/21 13:15	06/02/21 13:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/16/21 13:15	06/02/21 13:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/16/21 13:15	06/02/21 13:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/16/21 13:15	06/02/21 13:11	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/16/21 13:15	06/02/21 13:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/16/21 13:15	06/02/21 13:11	1
Thallium	0.000180	J	0.0010	0.00015	mg/L		04/16/21 13:15	06/02/21 13:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/16/21 13:15	06/02/21 13:11	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/16/21 13:15	06/02/21 13:11	1

Lab Sample ID: LCS 180-353428/2-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.248		mg/L		99	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.04		mg/L		104	80 - 120
Beryllium	0.500	0.515		mg/L		103	80 - 120
Boron	1.25	1.39		mg/L		111	80 - 120
Cadmium	0.500	0.534		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.495		mg/L		99	80 - 120
Copper	0.500	0.496		mg/L		99	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.496		mg/L		99	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.250	0.271		mg/L		108	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	0.500	0.518		mg/L		104	80 - 120
Zinc	0.250	0.253		mg/L		101	80 - 120

Lab Sample ID: 180-119604-1 MS
Matrix: Water
Analysis Batch: 359294

Client Sample ID: GWC-6
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.247		mg/L		99	75 - 125
Arsenic	<0.00031		1.00	0.980		mg/L		98	75 - 125
Barium	0.054		1.00	1.09		mg/L		104	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119604-2

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

Lab Sample ID: 180-119604-1 MS
Matrix: Water
Analysis Batch: 359294

Client Sample ID: GWC-6
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	<0.00018		0.500	0.510		mg/L		102	75 - 125
Boron	0.042	J	1.25	1.41		mg/L		110	75 - 125
Cadmium	<0.00022		0.500	0.527		mg/L		105	75 - 125
Calcium	16		25.0	42.4		mg/L		107	75 - 125
Chromium	0.0050		0.500	0.500		mg/L		99	75 - 125
Cobalt	0.00015	J	0.500	0.484		mg/L		97	75 - 125
Copper	<0.00063		0.500	0.481		mg/L		96	75 - 125
Lead	<0.00013		0.500	0.493		mg/L		99	75 - 125
Nickel	0.00088	J	0.500	0.481		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Silver	<0.00018		0.250	0.259		mg/L		103	75 - 125
Thallium	0.00030	J B	1.00	1.01		mg/L		101	75 - 125
Vanadium	0.0091		0.500	0.510		mg/L		100	75 - 125
Zinc	<0.0032		0.250	0.250		mg/L		100	75 - 125

Lab Sample ID: 180-119604-1 MSD
Matrix: Water
Analysis Batch: 359294

Client Sample ID: GWC-6
Prep Type: Total Recoverable
Prep Batch: 353428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.244		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.958		mg/L		96	75 - 125	2	20
Barium	0.054		1.00	1.08		mg/L		102	75 - 125	2	20
Beryllium	<0.00018		0.500	0.490		mg/L		98	75 - 125	4	20
Boron	0.042	J	1.25	1.37		mg/L		107	75 - 125	3	20
Cadmium	<0.00022		0.500	0.519		mg/L		104	75 - 125	2	20
Calcium	16		25.0	41.8		mg/L		105	75 - 125	1	20
Chromium	0.0050		0.500	0.497		mg/L		98	75 - 125	1	20
Cobalt	0.00015	J	0.500	0.472		mg/L		94	75 - 125	2	20
Copper	<0.00063		0.500	0.473		mg/L		95	75 - 125	2	20
Lead	<0.00013		0.500	0.481		mg/L		96	75 - 125	2	20
Nickel	0.00088	J	0.500	0.462		mg/L		92	75 - 125	4	20
Selenium	<0.0015		1.00	0.995		mg/L		99	75 - 125	2	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	1	20
Thallium	0.00030	J B	1.00	0.977		mg/L		98	75 - 125	3	20
Vanadium	0.0091		0.500	0.508		mg/L		100	75 - 125	0	20
Zinc	<0.0032		0.250	0.243		mg/L		97	75 - 125	3	20

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/19/21 13:46	06/02/21 13:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/19/21 13:46	06/02/21 13:30	1
Barium	<0.0016		0.010	0.0016	mg/L		04/19/21 13:46	06/02/21 13:30	1
Beryllium	0.000364	J	0.0025	0.00018	mg/L		04/19/21 13:46	06/02/21 13:30	1
Boron	<0.039		0.080	0.039	mg/L		04/19/21 13:46	06/02/21 13:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/19/21 13:46	06/02/21 13:30	1

Eurofins TestAmerica, Pittsburgh

QC Sample Results

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

Job ID: 180-119604-2

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

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	<0.13		0.50	0.13	mg/L		04/19/21 13:46	06/02/21 13:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/19/21 13:46	06/02/21 13:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/19/21 13:46	06/02/21 13:30	1
Lead	0.000162	J	0.0010	0.00013	mg/L		04/19/21 13:46	06/02/21 13:30	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/19/21 13:46	06/02/21 13:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/19/21 13:46	06/02/21 13:30	1
Thallium	0.000543	J	0.0010	0.00015	mg/L		04/19/21 13:46	06/02/21 13:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/19/21 13:46	06/02/21 13:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/19/21 13:46	06/02/21 13:30	1

Lab Sample ID: LCS 180-353680/2-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Antimony	0.250	0.237		mg/L		95	80 - 120
Arsenic	1.00	0.960		mg/L		96	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	0.500	0.487		mg/L		97	80 - 120
Boron	1.25	1.27		mg/L		101	80 - 120
Cadmium	0.500	0.514		mg/L		103	80 - 120
Calcium	25.0	25.7		mg/L		103	80 - 120
Chromium	0.500	0.496		mg/L		99	80 - 120
Cobalt	0.500	0.488		mg/L		98	80 - 120
Copper	0.500	0.472		mg/L		94	80 - 120
Lead	0.500	0.478		mg/L		96	80 - 120
Nickel	0.500	0.466		mg/L		93	80 - 120
Selenium	1.00	0.985		mg/L		99	80 - 120
Silver	0.250	0.251		mg/L		100	80 - 120
Thallium	1.00	0.974		mg/L		97	80 - 120
Vanadium	0.500	0.497		mg/L		99	80 - 120
Zinc	0.250	0.242		mg/L		97	80 - 120

QC Association Summary

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

Job ID: 180-119604-2

Metals

Prep Batch: 353428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	3005A	
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119604-1 MS	GWC-6	Total Recoverable	Water	3005A	
180-119604-1 MSD	GWC-6	Total Recoverable	Water	3005A	

Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-2	GWC-8A	Total Recoverable	Water	3005A	
180-119604-3	GWC-19	Total Recoverable	Water	3005A	
180-119604-4	GWC-20	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 359294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-2	GWC-8A	Total Recoverable	Water	EPA 6020B	353680
180-119604-3	GWC-19	Total Recoverable	Water	EPA 6020B	353680
180-119604-4	GWC-20	Total Recoverable	Water	EPA 6020B	353680
MB 180-353428/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353428
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353428/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353428
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
180-119604-1 MS	GWC-6	Total Recoverable	Water	EPA 6020B	353428
180-119604-1 MSD	GWC-6	Total Recoverable	Water	EPA 6020B	353428

Field Service / Mobile Lab

Analysis Batch: 359590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119604-1	GWC-6	Total/NA	Water	Field Sampling	
180-119604-2	GWC-8A	Total/NA	Water	Field Sampling	
180-119604-3	GWC-19	Total/NA	Water	Field Sampling	
180-119604-4	GWC-20	Total/NA	Water	Field Sampling	

TestAmerica Pittsburgh

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

Chain of Custody Record



TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other:

Client Contact	Project Manager: Dawn Prell	Site Contact: Dawn Prell	Date: 4.5.2021	COC No:
Joju Abraham	Tel/Fax: 248-536-5445	Lab Contact: Shali Brown	Carrier:	1 of 1 COCs
Southern Company	Analysis Turnaround Time			Sampler:
241 Ralph McGill Blvd SE B10185	<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS			For Lab Use Only:
Atlanta, GA 30308	TAT if different from Below 3-5 days			Walk-in Client:
JAbraham@southernco.com	<input type="checkbox"/> 2 weeks			Lab Sampling:
Project Name: CCR - Plant Scherer Cell 1	<input type="checkbox"/> 1 week			Job / SDG No.:
Site: Georgia	<input type="checkbox"/> 2 days			
P O #	<input type="checkbox"/> 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Analytes										Sample Specific Notes:								
								As	Ba	B	Be	Ca	Cd	Cr	Co	Cu	Pb		Hg	Ni	Sb	Se	Ag	Ti	Vn	Zn
GWC-6	4/5/2021	16:42	G	GW	4			X	X																	pH= 6.36
GWC-8A	4/5/2021	12:54	G	GW	4			X	X																	pH= 6.35
GWC-19	4/5/2021	12:50	G	GW	4			X	X																	pH= 6.37
GWC-20	4/5/2021	11:50	G	GW	4			X	X																	pH= 6.64

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

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

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temp. (°C):	Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: <i>Kan Lee</i>	Company: <i>Gold</i>	Date/Time: <i>4-6-21 10:00</i>	Received by: <i>Elaine Cook</i>	Company: <i>Courier Now</i>	Date/Time: <i>4/6/21 8:07</i>
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119604-2

Login Number: 119604

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Abernathy, Eric

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



ANALYTICAL REPORT

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

Laboratory Job ID: 180-119606-2

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions
Sampling Event: PAC ASH

For:

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

Attn: Joju Abraham



Authorized for release by:
6/7/2021 8:16:54 PM

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

LINKS

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results through
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Visit us at:

www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416



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Case Narrative

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

Job ID: 180-119606-2

Job ID: 180-119606-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-119606-2

Comments

No additional comments.

Receipt

The samples were received on 4/7/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 3.4° C.

Metals

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

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

Definitions/Glossary

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

Job ID: 180-119606-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

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

Job ID: 180-119606-2

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21 *
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21 *
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	05-30-22
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

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



Sample Summary

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

Job ID: 180-119606-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119606-1	GWA-46	Water	04/05/21 14:15	04/07/21 09:30	
180-119606-2	GWA-47	Water	04/05/21 16:32	04/07/21 09:30	
180-119606-3	GWA-48	Water	04/05/21 14:02	04/07/21 09:30	
180-119606-4	GWC-51	Water	04/05/21 16:04	04/07/21 09:30	
180-119606-5	GWC-52	Water	04/05/21 15:01	04/07/21 09:30	
180-119606-6	DUP-1 (PA)	Water	04/05/21 00:01	04/07/21 09:30	
180-119606-7	FB-1 (PA)	Water	04/05/21 16:04	04/07/21 09:30	

Method Summary

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

Job ID: 180-119606-2

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Lab Chronicle

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

Job ID: 180-119606-2

Client Sample ID: GWA-46

Lab Sample ID: 180-119606-1

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:49	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 14:15	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWA-47

Lab Sample ID: 180-119606-2

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353680	04/19/21 13:46	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 13:52	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 16:32	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWA-48

Lab Sample ID: 180-119606-3

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:08	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 14:02	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: GWC-51

Lab Sample ID: 180-119606-4

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:11	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359591	04/05/21 16:04	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Lab Chronicle

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

Job ID: 180-119606-2

Client Sample ID: GWC-52

Lab Sample ID: 180-119606-5

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:13	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Analysis	Field Sampling		1			359592	04/05/21 15:01	QDR	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 180-119606-6

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:16	RSK	TAL PIT
		Instrument ID: NEMO								

Client Sample ID: FB-1 (PA)

Lab Sample ID: 180-119606-7

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353689	04/19/21 14:16	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			359294	06/02/21 14:19	RSK	TAL PIT
		Instrument ID: NEMO								

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

TJO = Tyler Oliver

Batch Type: Analysis

QDR = Quinita Reynolds

RSK = Robert Kurtz

Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: GWA-46

Lab Sample ID: 180-119606-1

Date Collected: 04/05/21 14:15

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.1		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:49	1
Potassium	0.70		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:49	1
Sodium	4.4		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.92				SU			04/05/21 14:15	1



Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: GWA-47

Lab Sample ID: 180-119606-2

Date Collected: 04/05/21 16:32

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.6		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:52	1
Potassium	0.85		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:52	1
Sodium	7.2		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.59				SU			04/05/21 16:32	1



Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: GWA-48

Lab Sample ID: 180-119606-3

Date Collected: 04/05/21 14:02

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.6		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:08	1
Potassium	0.90		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:08	1
Sodium	6.0		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			04/05/21 14:02	1



Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: GWC-51

Lab Sample ID: 180-119606-4

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.9		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:11	1
Potassium	0.48	J	0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:11	1
Sodium	4.7		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.99				SU			04/05/21 16:04	1



Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: GWC-52

Lab Sample ID: 180-119606-5

Date Collected: 04/05/21 15:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:13	1
Potassium	1.2		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:13	1
Sodium	8.9		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68				SU			04/05/21 15:01	1



Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 180-119606-6

Date Collected: 04/05/21 00:01

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	11		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:16	1
Potassium	1.3		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:16	1
Sodium	9.1		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:16	1

Client Sample Results

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

Job ID: 180-119606-2

Client Sample ID: FB-1 (PA)

Lab Sample ID: 180-119606-7

Date Collected: 04/05/21 16:04

Matrix: Water

Date Received: 04/07/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 14:19	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 14:19	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 14:19	1

QC Sample Results

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

Job ID: 180-119606-2

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

Lab Sample ID: MB 180-353680/1-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 13:46	06/02/21 13:30	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 13:46	06/02/21 13:30	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 13:46	06/02/21 13:30	1

Lab Sample ID: LCS 180-353680/2-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Magnesium	25.0	24.7		mg/L		99	80 - 120
Potassium	25.0	24.1		mg/L		97	80 - 120
Sodium	25.0	25.5		mg/L		102	80 - 120

Lab Sample ID: MB 180-353689/1-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.083		0.50	0.083	mg/L		04/19/21 14:16	06/02/21 13:57	1
Potassium	<0.16		0.50	0.16	mg/L		04/19/21 14:16	06/02/21 13:57	1
Sodium	<0.35		0.50	0.35	mg/L		04/19/21 14:16	06/02/21 13:57	1

Lab Sample ID: LCS 180-353689/2-A
Matrix: Water
Analysis Batch: 359294

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Magnesium	25.0	26.5		mg/L		106	80 - 120
Potassium	25.0	26.0		mg/L		104	80 - 120
Sodium	25.0	27.2		mg/L		109	80 - 120

QC Association Summary

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

Job ID: 180-119606-2

Metals

Prep Batch: 353680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	3005A	
180-119606-2	GWA-47	Total Recoverable	Water	3005A	
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 353689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-3	GWA-48	Total Recoverable	Water	3005A	
180-119606-4	GWC-51	Total Recoverable	Water	3005A	
180-119606-5	GWC-52	Total Recoverable	Water	3005A	
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	3005A	
180-119606-7	FB-1 (PA)	Total Recoverable	Water	3005A	
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 359294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total Recoverable	Water	EPA 6020B	353680
180-119606-2	GWA-47	Total Recoverable	Water	EPA 6020B	353680
180-119606-3	GWA-48	Total Recoverable	Water	EPA 6020B	353689
180-119606-4	GWC-51	Total Recoverable	Water	EPA 6020B	353689
180-119606-5	GWC-52	Total Recoverable	Water	EPA 6020B	353689
180-119606-6	DUP-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
180-119606-7	FB-1 (PA)	Total Recoverable	Water	EPA 6020B	353689
MB 180-353680/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353680
MB 180-353689/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353689
LCS 180-353680/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353680
LCS 180-353689/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353689

Field Service / Mobile Lab

Analysis Batch: 359591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-1	GWA-46	Total/NA	Water	Field Sampling	
180-119606-2	GWA-47	Total/NA	Water	Field Sampling	
180-119606-3	GWA-48	Total/NA	Water	Field Sampling	
180-119606-4	GWC-51	Total/NA	Water	Field Sampling	

Analysis Batch: 359592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119606-5	GWC-52	Total/NA	Water	Field Sampling	

TestAmerica Pittsburgh

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

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other:

Client Contact Joju Abraham Southern Company 241 Ralph McGill Blvd SE B10185 Atlanta, GA 30308 JAbraham@southernco.com Project Name: CCR - Plant Scherer PAC Ash Cell Major Ions Site: Georgia P O #	Project Manager: Dawn Prell Tel/Fax: 248-536-5445	Site Contact: Dawn Prell Lab Contact: Shali Brown	Date: 4.5.2021 Carrier:	COC No: __1__ of __1__ COCs
Analysis Turnaround Time <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below __3-5 days__ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sampler: For Lab Use Only: Walk-in Client: <input type="checkbox"/> Lab Sampling: <input type="checkbox"/> Job / SDG No.:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/carbonate Alkalinity	K, Na, Mg	Sample Specific Notes:
GWA-46	4/5/2021	14:15	G	GW	4			X	X	pH= 5.92
GWA-47	4/5/2021	16:32	G	GW	4			X	X	pH= 6.59
GWA-48	4/5/2021	14:02	G	GW	4			X	X	pH= 6.78
GWC-51	4/5/2021	16:04	G	GW	4			X	X	pH= 5.99
GWC-52	4/5/2021	15:01	G	GW	4			X	X	pH= 6.68
DUP-1 (PA)	4/5/2021	-----	G	GW	4			X	X	
FB-1 (PA)	4/5/2021	16:04	G	W	4			X	X	

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

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

Non-Hazard Flammable S Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____	Corr'd: _____	Therm ID No.:
Relinquished by: <i>Jan 2 Ce</i>	Company: <i>Gold</i>	Date/Time: <i>4-6-21 08:00</i>	Received by: <i>Glenn Cook</i>	Company: <i>Courier Mail</i>
Relinquished by:	Company:	Date/Time:	Received by:	Company:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:

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NA AGCA
 Uncorrected temp
 Thermometer ID
 CF Initials
 PT-WI-SR-001 effective 11/8/18
 3.2
 PA-US

WED - 07 APR 1
PRIORITY OVER
 TRK# 1516 9329 2482 0201

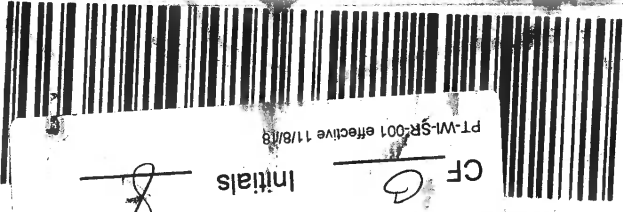
FEDEX
 REF: GOLDER
 (412) 963-7058
PITTSBURGH PA 15238
RIDC PARK
301 ALPHA DR.
EUROFINS TESTAMERICA PITTSBURGH
10 SAMPLE RECEIVING
 UNITED STATES US
 NORCROSS, GA 30071
 SUITE 900
 6215 REGENCY PARKWAY NW
 EUROFINS TESTING AMERICA ATL SC
 GEORGE TAYLOR
 ORIGIN ID: LLYA (678) 966-9991

BILL RECIPIENT:
 SHIP DATE: 06APR21
 ACTWGT: 52.00 LB
 CAD: 859116/CAFE3409

RT-97
 10:30
 2482
 A
 04:07 testing



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PT-WI-SR-001 effective 11/8/19

CF Initials

8

Uncorrected temp Thermometer ID

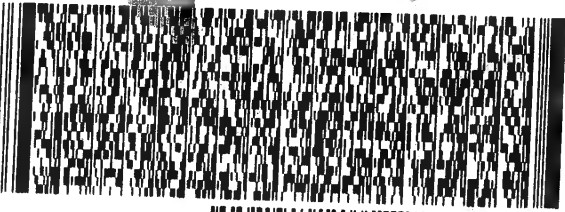
3.4

45238 PTT

NA AGJA

WED - 07 APR 10:30A
PRIORITY OVERNIGHT

TRK# 1516 9329 2471 0201



10 SAMPLE RECEIVING
EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.
RIDC PARK
PITTSBURGH PA 15238
REF: GOLDER
(412) 968-7068

BILL RECIPIENT

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

SHIP DATE: 06APR21
ACTWT: 52.00 LB
CAD: 859116/CAFE3409

7 10:30
A 2471
04:07

97 eurofins FZ

Part # 159469-334 RIT2 EXP 11/21

nt Testing

Do Not Lift Using This Tag

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119606-2

Login Number: 119606

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Abernathy, Eric

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



ANALYTICAL REPORT

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

Laboratory Job ID: 180-119801-1

Client Project/Site: Plant Scherer Surface Water

For:

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

Attn: Joju Abraham



Authorized for release by:
5/4/2021 8:42:19 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416



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Case Narrative

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Job ID: 180-119801-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

**Job Narrative
180-119801-1**

Comments

No additional comments.

Receipt

The samples were received on 4/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.1° C, 3.2° C and 3.5° C.

Receipt Exceptions

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

GC Semi VOA

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

Metals

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

Field Service / Mobile Lab

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

General Chemistry

Method SM 5310C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 180-354417. LCS/LCSD analyzed.

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



Definitions/Glossary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119801-1	SWA-1	Water	04/07/21 12:25	04/09/21 09:30	
180-119801-2	SWA-2	Water	04/07/21 15:25	04/09/21 09:30	
180-119801-3	SWA-3	Water	04/07/21 14:57	04/09/21 09:30	
180-119801-4	SWC-4	Water	04/07/21 12:52	04/09/21 09:30	
180-119801-5	SWC-6	Water	04/07/21 14:05	04/09/21 09:30	
180-119801-6	SWC-7	Water	04/07/21 13:46	04/09/21 09:30	
180-119801-7	SWC-8	Water	04/07/21 14:40	04/09/21 09:30	
180-119801-8	SWC-9	Water	04/07/21 13:16	04/09/21 09:30	

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Method Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
EPA 410.4	COD	MCAWW	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
SM 4500CN E	Total Cyanide	SM	TAL PIT
SM 5310C	Total Organic Carbon	SM	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
410.4	COD	MCAWW	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT
SM 4500 CN C	Cyanide, Distillation	SM	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWA-1

Lab Sample ID: 180-119801-1

Date Collected: 04/07/21 12:25

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353596	04/19/21 19:03	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:35	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:02	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:42	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:17	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:01	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 12:25	FDS	TAL PIT

Client Sample ID: SWA-2

Lab Sample ID: 180-119801-2

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			353596	04/19/21 14:42	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:38	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:03	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:47	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:19	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:17	GRB	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWA-2
Date Collected: 04/07/21 15:25
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 15:25	FDS	TAL PIT

Client Sample ID: SWA-3
Date Collected: 04/07/21 14:57
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-3
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	1 mL	1.0 mL	353597	04/19/21 21:27	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			354448	04/23/21 19:42	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354187	04/22/21 11:04	KHM	TAL PIT
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4 Instrument ID: GENESYS10S		1	1 mL	1 mL	353523	04/17/21 16:47	ELS	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E Instrument ID: SEAL2		1			353971	04/20/21 14:21	CMR	TAL PIT
Total/NA	Analysis	SM 5310C Instrument ID: TOC1030		1			354417	04/22/21 21:32	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			352774	04/07/21 14:57	FDS	TAL PIT

Client Sample ID: SWC-4
Date Collected: 04/07/21 12:52
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1	1 mL	1.0 mL	353597	04/19/21 21:11	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354830	04/27/21 17:44	RSK	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			354987	04/28/21 14:43	RSK	TAL PIT
Total/NA	Prep	7470A			50 mL	50 mL	353839	04/20/21 13:20	DLL	TAL PIT
Total/NA	Analysis	EPA 7470A Instrument ID: HGZ		1			354045	04/21/21 11:29	KHM	TAL PIT

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-4
Date Collected: 04/07/21 12:52
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 12:52	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SWC-6
Date Collected: 04/07/21 14:05
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1	1 mL	1.0 mL	353597	04/19/21 19:16	SAT	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:47	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:45	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:04	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: SWC-7
Date Collected: 04/07/21 13:46
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353596	04/19/21 21:30	SAT	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:50	RSK	TAL PIT
Instrument ID: NEMO										
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:48	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:05	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Prep	410.4			1 mL	1 mL	353518	04/17/21 13:42	ELS	TAL PIT
Total/NA	Analysis	EPA 410.4		1	1 mL	1 mL	353523	04/17/21 16:48	ELS	TAL PIT
Instrument ID: GENESYS10S										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-7

Lab Sample ID: 180-119801-6

Date Collected: 04/07/21 13:46

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Total/NA	Prep	SM 4500 CN C			6 mL	6 mL	353741	04/20/21 09:00	CMR	TAL PIT
Total/NA	Analysis	SM 4500CN E		1			353971	04/20/21 14:23	CMR	TAL PIT
		Instrument ID: SEAL2								
Total/NA	Analysis	SM 5310C		1			354417	04/22/21 21:47	GRB	TAL PIT
		Instrument ID: TOC1030								
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 13:46	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SWC-8

Lab Sample ID: 180-119801-7

Date Collected: 04/07/21 14:40

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353596	04/19/21 14:58	SAT	TAL PIT
		Instrument ID: CHIC2100A								
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:52	RSK	TAL PIT
		Instrument ID: NEMO								
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:51	RSK	TAL PIT
		Instrument ID: NEMO								
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:08	KHM	TAL PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 14:40	FDS	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SWC-9

Lab Sample ID: 180-119801-8

Date Collected: 04/07/21 13:16

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			353598	04/19/21 17:58	SAT	TAL PIT
		Instrument ID: INTEGRION								
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354830	04/27/21 17:55	RSK	TAL PIT
		Instrument ID: NEMO								
Total Recoverable	Prep	3005A			50 mL	50 mL	354082	04/21/21 16:23	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354987	04/28/21 14:54	RSK	TAL PIT
		Instrument ID: NEMO								

Lab Chronicle

Client: Southern Company
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-9
Date Collected: 04/07/21 13:16
Date Received: 04/09/21 09:30

Lab Sample ID: 180-119801-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		1			354187	04/22/21 11:09	KHM	TAL PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	353098	04/14/21 18:29	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			352774	04/07/21 13:16	FDS	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

- CMR = Carl Reagle
- DLL = Debbie Lowe
- ELS = Edwin Shireman
- KEM = Kimberly Mahoney
- MM1 = Mary Beth Miller
- TLP = Tara Peterson

Batch Type: Analysis

- CMR = Carl Reagle
- ELS = Edwin Shireman
- FDS = Sampler Field
- GRB = Gabriel Berghe
- KHM = Kyle Mucroski
- KMM = Kendric Moore
- RSK = Robert Kurtz
- SAT = Stephen Tallam



Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWA-1

Lab Sample ID: 180-119801-1

Date Collected: 04/07/21 12:25

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.6		1.0	0.71	mg/L			04/19/21 19:03	1
Fluoride	0.18		0.10	0.026	mg/L			04/19/21 19:03	1
Sulfate	44		1.0	0.76	mg/L			04/19/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:35	1
Arsenic	0.00041	J B	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:35	1
Barium	0.051		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:35	1
Boron	0.31		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:35	1
Calcium	18		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Cobalt	0.00014	J B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:35	1
Copper	0.0033		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:35	1
Nickel	0.00075	J B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:35	1
Vanadium	0.0028		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:35	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:42	1
Total Dissolved Solids	110		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:17	1
Total Organic Carbon - Duplicates	4.5		1.0	0.51	mg/L			04/22/21 21:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.47				SU			04/07/21 12:25	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWA-2

Lab Sample ID: 180-119801-2

Date Collected: 04/07/21 15:25

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 14:42	1
Fluoride	0.052	J	0.10	0.026	mg/L			04/19/21 14:42	1
Sulfate	190		1.0	0.76	mg/L			04/19/21 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:38	1
Barium	0.071		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:38	1
Boron	0.98		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:38	1
Calcium	37		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Cobalt	0.0070	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:38	1
Nickel	0.0011	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:38	1
Vanadium	0.0013		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:38	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:47	1
Total Dissolved Solids	340		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:19	1
Total Organic Carbon - Duplicates	1.4		1.0	0.51	mg/L			04/22/21 21:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.99				SU			04/07/21 15:25	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWA-3

Lab Sample ID: 180-119801-3

Date Collected: 04/07/21 14:57

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 21:27	1
Fluoride	0.039	J	0.10	0.026	mg/L			04/19/21 21:27	1
Sulfate	90		1.0	0.76	mg/L			04/19/21 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 19:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 19:42	1
Barium	0.047		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 19:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 19:42	1
Boron	0.53		0.080	0.039	mg/L		04/20/21 17:54	04/23/21 19:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 19:42	1
Calcium	14		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 19:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Cobalt	0.0054	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 19:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 19:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 19:42	1
Nickel	0.0013	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 19:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 19:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 19:42	1
Vanadium	0.0018		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 19:42	1
Zinc	0.0035	J	0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 19:42	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:47	1
Total Dissolved Solids	160		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:21	1
Total Organic Carbon - Duplicates	0.88	J	1.0	0.51	mg/L			04/22/21 21:32	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.97				SU			04/07/21 14:57	1

Client Sample Results

Client: Southern Company
 Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-4

Lab Sample ID: 180-119801-4

Date Collected: 04/07/21 12:52

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.0		1.0	0.71	mg/L			04/19/21 21:11	1
Fluoride	0.067	J	0.10	0.026	mg/L			04/19/21 21:11	1
Sulfate	90		1.0	0.76	mg/L			04/19/21 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:44	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:44	1
Barium	0.048		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:44	1
Beryllium	0.00022	J	0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:44	1
Boron	0.54		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:44	1
Calcium	22		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Cobalt	0.0025	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:44	1
Lead	0.00018	J	0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:44	1
Nickel	0.00076	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:44	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:44	1
Thallium	0.00037	J	0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:44	1
Vanadium	0.0011		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:44	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:44	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			04/14/21 18:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.50				SU			04/07/21 12:52	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-6

Lab Sample ID: 180-119801-5

Date Collected: 04/07/21 14:05

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.6		1.0	0.71	mg/L			04/19/21 19:16	1
Fluoride	0.093	J	0.10	0.026	mg/L			04/19/21 19:16	1
Sulfate	0.98	J	1.0	0.76	mg/L			04/19/21 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:47	1
Barium	0.029		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:47	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:47	1
Calcium	10		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Cobalt	0.0029	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:47	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:47	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:47	1
Nickel	0.00051	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:47	1
Vanadium	0.0017		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:47	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:47	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	83		10	10	mg/L			04/14/21 18:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.73				SU			04/07/21 14:05	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-7

Lab Sample ID: 180-119801-6

Date Collected: 04/07/21 13:46

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		1.0	0.71	mg/L			04/19/21 21:30	1
Fluoride	0.085	J	0.10	0.026	mg/L			04/19/21 21:30	1
Sulfate	60		1.0	0.76	mg/L			04/19/21 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:50	1
Barium	0.049		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:50	1
Boron	0.35		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:50	1
Calcium	21		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Cobalt	0.0011	J B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:50	1
Copper	0.00085	J	0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:50	1
Nickel	0.00056	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:50	1
Vanadium	0.0014		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:50	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:48	1
Total Dissolved Solids	150		10	10	mg/L			04/14/21 18:29	1
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 14:23	1
Total Organic Carbon - Duplicates	1.9		1.0	0.51	mg/L			04/22/21 21:47	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.51				SU			04/07/21 13:46	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-8

Lab Sample ID: 180-119801-7

Date Collected: 04/07/21 14:40

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.71	mg/L			04/19/21 14:58	1
Fluoride	0.031	J	0.10	0.026	mg/L			04/19/21 14:58	1
Sulfate	140		1.0	0.76	mg/L			04/19/21 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:52	1
Barium	0.062		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:52	1
Boron	0.78		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:52	1
Calcium	27		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Cobalt	0.0056	B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:52	1
Nickel	0.00091	J	0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:52	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	250		10	10	mg/L			04/14/21 18:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.17				SU			04/07/21 14:40	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Client Sample ID: SWC-9

Lab Sample ID: 180-119801-8

Date Collected: 04/07/21 13:16

Matrix: Water

Date Received: 04/09/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.4		1.0	0.71	mg/L			04/19/21 17:58	1
Fluoride	0.076	J	0.10	0.026	mg/L			04/19/21 17:58	1
Sulfate	2.3		1.0	0.76	mg/L			04/19/21 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/27/21 17:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/27/21 17:55	1
Barium	0.019		0.010	0.0016	mg/L		04/21/21 16:23	04/27/21 17:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/27/21 17:55	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/27/21 17:55	1
Calcium	10		0.50	0.13	mg/L		04/21/21 16:23	04/27/21 17:55	1
Chromium	0.0060		0.0020	0.0015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Cobalt	0.00027	J B	0.0025	0.00013	mg/L		04/21/21 16:23	04/27/21 17:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/27/21 17:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/27/21 17:55	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/21/21 16:23	04/27/21 17:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/27/21 17:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/27/21 17:55	1
Vanadium	0.0062		0.0010	0.00099	mg/L		04/21/21 16:23	04/27/21 17:55	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/27/21 17:55	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	85		10	10	mg/L			04/14/21 18:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.71				SU			04/07/21 13:16	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: MB 180-353596/6
Matrix: Water
Analysis Batch: 353596

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:04	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:04	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:04	1

Lab Sample ID: LCS 180-353596/5
Matrix: Water
Analysis Batch: 353596

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

Lab Sample ID: 180-119801-1 MS
Matrix: Water
Analysis Batch: 353596

Client Sample ID: SWA-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.6		50.0	54.8		mg/L		102	90 - 110
Fluoride	0.18		2.50	2.87		mg/L		107	90 - 110
Sulfate	44		50.0	93.7		mg/L		100	90 - 110

Lab Sample ID: 180-119801-1 MSD
Matrix: Water
Analysis Batch: 353596

Client Sample ID: SWA-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.6		50.0	55.2		mg/L		103	90 - 110	1	20
Fluoride	0.18		2.50	2.92		mg/L		109	90 - 110	2	20
Sulfate	44		50.0	94.2		mg/L		101	90 - 110	1	20

Lab Sample ID: MB 180-353597/6
Matrix: Water
Analysis Batch: 353597

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:09	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:09	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:09	1

Lab Sample ID: LCS 180-353597/5
Matrix: Water
Analysis Batch: 353597

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.8		mg/L		94	90 - 110
Fluoride	2.50	2.61		mg/L		104	90 - 110
Sulfate	50.0	46.2		mg/L		92	90 - 110

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: 180-119801-5 MS
Matrix: Water
Analysis Batch: 353597

Client Sample ID: SWC-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.6		50.0	53.6		mg/L		102	90 - 110
Fluoride	0.093	J	2.50	2.58		mg/L		100	90 - 110
Sulfate	0.98	J	50.0	51.4		mg/L		101	90 - 110

Lab Sample ID: 180-119801-5 MSD
Matrix: Water
Analysis Batch: 353597

Client Sample ID: SWC-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.6		50.0	51.1		mg/L		97	90 - 110	5	20
Fluoride	0.093	J	2.50	2.54		mg/L		98	90 - 110	2	20
Sulfate	0.98	J	50.0	49.0		mg/L		96	90 - 110	5	20

Lab Sample ID: MB 180-353598/6
Matrix: Water
Analysis Batch: 353598

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/19/21 09:16	1
Fluoride	<0.026		0.10	0.026	mg/L			04/19/21 09:16	1
Sulfate	<0.76		1.0	0.76	mg/L			04/19/21 09:16	1

Lab Sample ID: LCS 180-353598/5
Matrix: Water
Analysis Batch: 353598

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.0		mg/L		98	90 - 110
Fluoride	2.50	2.29		mg/L		92	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

Lab Sample ID: 180-119801-8 MS
Matrix: Water
Analysis Batch: 353598

Client Sample ID: SWC-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2.4		50.0	52.3		mg/L		100	90 - 110
Fluoride	0.076	J	2.50	2.33		mg/L		90	90 - 110
Sulfate	2.3		50.0	51.8		mg/L		99	90 - 110

Lab Sample ID: 180-119801-8 MSD
Matrix: Water
Analysis Batch: 353598

Client Sample ID: SWC-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2.4		50.0	52.0		mg/L		99	90 - 110	1	20
Fluoride	0.076	J	2.50	2.32		mg/L		90	90 - 110	0	20
Sulfate	2.3		50.0	51.3		mg/L		98	90 - 110	1	20

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: MB 180-353880/1-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:43	1
Arsenic	0.000651	J	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:43	1
Beryllium	0.000293	J	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cadmium	0.000388	J	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/20/21 17:54	04/23/21 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cobalt	0.000354	J	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lead	0.000385	J	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Nickel	0.000389	J	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Silver	0.000200	J	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Thallium	0.000716	J	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:43	1

Lab Sample ID: LCS 180-353880/2-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	28.4		mg/L		114	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.254		mg/L		102	80 - 120

Lab Sample ID: 180-119761-B-1-B MS
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	0.969		mg/L		97	75 - 125
Barium	0.014		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125

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QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: 180-119761-B-1-B MS
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	7.1		25.0	34.9		mg/L		111	75 - 125
Chromium	0.0067		0.500	0.514		mg/L		101	75 - 125
Cobalt	0.00023	J B	0.500	0.492		mg/L		98	75 - 125
Copper	0.00070	J	0.500	0.490		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Nickel	0.0012	B	0.500	0.483		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125
Vanadium	0.0059		0.500	0.515		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125

Lab Sample ID: 180-119761-B-1-C MSD
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.014		1.00	1.05		mg/L		104	75 - 125	1	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	1	20
Calcium	7.1		25.0	35.3		mg/L		113	75 - 125	1	20
Chromium	0.0067		0.500	0.520		mg/L		103	75 - 125	1	20
Cobalt	0.00023	J B	0.500	0.501		mg/L		100	75 - 125	2	20
Copper	0.00070	J	0.500	0.499		mg/L		100	75 - 125	2	20
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	0.0012	B	0.500	0.491		mg/L		98	75 - 125	2	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	0	20
Vanadium	0.0059		0.500	0.521		mg/L		103	75 - 125	1	20
Zinc	<0.0032		0.250	0.262		mg/L		105	75 - 125	4	20

Lab Sample ID: MB 180-354082/1-A
Matrix: Water
Analysis Batch: 354886

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/21/21 16:23	04/28/21 09:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/21/21 16:23	04/28/21 09:03	1
Barium	<0.0016		0.010	0.0016	mg/L		04/21/21 16:23	04/28/21 09:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/21/21 16:23	04/28/21 09:03	1
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 09:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/21/21 16:23	04/28/21 09:03	1
Calcium	<0.13		0.50	0.13	mg/L		04/21/21 16:23	04/28/21 09:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Cobalt	0.000257	J	0.0025	0.00013	mg/L		04/21/21 16:23	04/28/21 09:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/21/21 16:23	04/28/21 09:03	1

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QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: MB 180-354082/1-A
Matrix: Water
Analysis Batch: 354886

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00013		0.0010	0.00013	mg/L		04/21/21 16:23	04/28/21 09:03	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/21/21 16:23	04/28/21 09:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/21/21 16:23	04/28/21 09:03	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/21/21 16:23	04/28/21 09:03	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/21/21 16:23	04/28/21 09:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/21/21 16:23	04/28/21 09:03	1

Lab Sample ID: MB 180-354082/1-A
Matrix: Water
Analysis Batch: 354987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.039		0.080	0.039	mg/L		04/21/21 16:23	04/28/21 14:27	1

Lab Sample ID: LCS 180-354082/2-A
Matrix: Water
Analysis Batch: 354830

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.250	0.231		mg/L		92	80 - 120
Arsenic	1.00	0.931		mg/L		93	80 - 120
Barium	1.00	0.961		mg/L		96	80 - 120
Beryllium	0.500	0.438		mg/L		88	80 - 120
Cadmium	0.500	0.482		mg/L		96	80 - 120
Calcium	25.0	27.8		mg/L		111	80 - 120
Chromium	0.500	0.463		mg/L		93	80 - 120
Cobalt	0.500	0.456		mg/L		91	80 - 120
Copper	0.500	0.462		mg/L		92	80 - 120
Lead	0.500	0.472		mg/L		94	80 - 120
Nickel	0.500	0.460		mg/L		92	80 - 120
Selenium	1.00	0.991		mg/L		99	80 - 120
Silver	0.250	0.256		mg/L		103	80 - 120
Thallium	1.00	0.961		mg/L		96	80 - 120
Vanadium	0.500	0.470		mg/L		94	80 - 120
Zinc	0.250	0.248		mg/L		99	80 - 120

Lab Sample ID: LCS 180-354082/2-A
Matrix: Water
Analysis Batch: 354987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.25	1.29		mg/L		103	80 - 120

Lab Sample ID: 180-119011-J-13-B MS
Matrix: Water
Analysis Batch: 354830

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	0.00040	J	0.250	0.246		mg/L		98	75 - 125

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QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: 180-119011-J-13-B MS
Matrix: Water
Analysis Batch: 354830

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00086	J	1.00	1.01		mg/L		101	75 - 125
Barium	0.026		1.00	1.05		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.466		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.504		mg/L		101	75 - 125
Calcium	17		25.0	46.2		mg/L		115	75 - 125
Chromium	0.0019	J	0.500	0.491		mg/L		98	75 - 125
Cobalt	0.00071	J B	0.500	0.498		mg/L		99	75 - 125
Copper	0.032		0.500	0.493		mg/L		92	75 - 125
Lead	0.00095	J	0.500	0.503		mg/L		100	75 - 125
Nickel	0.0025		0.500	0.493		mg/L		98	75 - 125
Selenium	<0.0015		1.00	0.995		mg/L		100	75 - 125
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125
Thallium	<0.00015		1.00	1.02		mg/L		102	75 - 125
Vanadium	0.0030		0.500	0.509		mg/L		101	75 - 125
Zinc	0.0083		0.250	0.260		mg/L		101	75 - 125

Lab Sample ID: 180-119011-J-13-C MSD
Matrix: Water
Analysis Batch: 354830

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 354082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00040	J	0.250	0.237		mg/L		95	75 - 125	3	20
Arsenic	0.00086	J	1.00	0.969		mg/L		97	75 - 125	4	20
Barium	0.026		1.00	1.02		mg/L		99	75 - 125	3	20
Beryllium	<0.00018		0.500	0.463		mg/L		93	75 - 125	1	20
Cadmium	<0.00022		0.500	0.491		mg/L		98	75 - 125	3	20
Calcium	17		25.0	44.6		mg/L		109	75 - 125	3	20
Chromium	0.0019	J	0.500	0.465		mg/L		93	75 - 125	6	20
Cobalt	0.00071	J B	0.500	0.471		mg/L		94	75 - 125	5	20
Copper	0.032		0.500	0.474		mg/L		88	75 - 125	4	20
Lead	0.00095	J	0.500	0.484		mg/L		97	75 - 125	4	20
Nickel	0.0025		0.500	0.476		mg/L		95	75 - 125	4	20
Selenium	<0.0015		1.00	0.989		mg/L		99	75 - 125	1	20
Silver	<0.00018		0.250	0.252		mg/L		101	75 - 125	4	20
Thallium	<0.00015		1.00	0.970		mg/L		97	75 - 125	5	20
Vanadium	0.0030		0.500	0.480		mg/L		95	75 - 125	6	20
Zinc	0.0083		0.250	0.256		mg/L		99	75 - 125	1	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-353839/1-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/20/21 13:20	04/21/21 11:04	1

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QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: LCS 180-353839/2-A
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353839
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00260		mg/L		104	80 - 120

Lab Sample ID: 180-119649-M-1-C MS
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353839
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

Lab Sample ID: 180-119649-M-1-D MSD
Matrix: Water
Analysis Batch: 354045

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353839
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125	1	20

Lab Sample ID: MB 180-353957/1-A
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:43	1

Lab Sample ID: LCS 180-353957/2-A
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353957
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Lab Sample ID: 180-119812-E-1-E MS
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353957
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125

Lab Sample ID: 180-119812-E-1-F MSD
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353957
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	1	20

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Method: EPA 410.4 - COD

Lab Sample ID: MB 180-353518/12-A
Matrix: Water
Analysis Batch: 353523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:30	1

Lab Sample ID: MB 180-353518/36-A
Matrix: Water
Analysis Batch: 353523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<9.1		10	9.1	mg/L		04/17/21 13:42	04/17/21 16:46	1

Lab Sample ID: LCS 180-353518/11-A
Matrix: Water
Analysis Batch: 353523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	70.3		mg/L		94	90 - 110

Lab Sample ID: LCS 180-353518/35-A
Matrix: Water
Analysis Batch: 353523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	73.2		mg/L		98	90 - 110

Lab Sample ID: 180-119801-1 MS
Matrix: Water
Analysis Batch: 353523

Client Sample ID: SWA-1
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	<9.1		25.0	26.4		mg/L		106	90 - 110

Lab Sample ID: 180-119801-1 MSD
Matrix: Water
Analysis Batch: 353523

Client Sample ID: SWA-1
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	<9.1		25.0	24.9		mg/L		100	90 - 110	6	20

Lab Sample ID: 180-119801-6 MS
Matrix: Water
Analysis Batch: 353523

Client Sample ID: SWC-7
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	<9.1		25.0	24.2		mg/L		97	90 - 110

Lab Sample ID: 180-119801-6 MSD
Matrix: Water
Analysis Batch: 353523

Client Sample ID: SWC-7
Prep Type: Total/NA
Prep Batch: 353518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	<9.1		25.0	27.1		mg/L		109	90 - 110	11	20

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QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

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

Lab Sample ID: MB 180-353098/2
Matrix: Water
Analysis Batch: 353098

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/14/21 18:29	1

Lab Sample ID: LCS 180-353098/1
Matrix: Water
Analysis Batch: 353098

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	486	446		mg/L		92	80 - 120

Lab Sample ID: 180-119801-1 DU
Matrix: Water
Analysis Batch: 353098

Client Sample ID: SWA-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	110		103		mg/L		5	10

Method: SM 4500CN E - Total Cyanide

Lab Sample ID: MB 180-353741/4-A
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0080		0.010	0.0080	mg/L		04/20/21 09:00	04/20/21 13:36	1

Lab Sample ID: HLCS 180-353741/2-A
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353741

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

Lab Sample ID: LCS 180-353741/3-A
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.200	0.183		mg/L		91	90 - 110

Lab Sample ID: LLCS 180-353741/1-A
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353741

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0510		mg/L		102	90 - 110

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Method: SM 4500CN E - Total Cyanide (Continued)

Lab Sample ID: 180-119570-D-3-C MS
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353741
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.0080	F1	0.200	0.172	F1	mg/L		86	90 - 110

Lab Sample ID: 180-119570-D-3-D MSD
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353741
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.0080	F1	0.200	0.198		mg/L		99	90 - 110	14	20

Lab Sample ID: 180-119570-D-3-B DU
Matrix: Water
Analysis Batch: 353971

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 353741
%Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	<0.0080	F1	<0.0080		mg/L		NC	20

Method: SM 5310C - Total Organic Carbon

Lab Sample ID: MB 180-354417/20
Matrix: Water
Analysis Batch: 354417

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Duplicates	<0.51		1.0	0.51	mg/L			04/22/21 17:58	1

Lab Sample ID: LCS 180-354417/18
Matrix: Water
Analysis Batch: 354417

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Organic Carbon - Duplicates	20.0	19.6		mg/L		98	85 - 115

Lab Sample ID: LCSD 180-354417/19
Matrix: Water
Analysis Batch: 354417

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Total Organic Carbon - Duplicates	20.0	19.7		mg/L		99	85 - 115	0	20

QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

HPLC/IC

Analysis Batch: 353596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-119801-2	SWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-119801-6	SWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-119801-7	SWC-8	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353596/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353596/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-1 MS	SWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-119801-1 MSD	SWA-1	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 353597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-3	SWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-119801-4	SWC-4	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353597/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353597/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5 MS	SWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-119801-5 MSD	SWC-6	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 353598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-8	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-353598/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-353598/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-119801-8 MS	SWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-119801-8 MSD	SWC-9	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 353839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total/NA	Water	7470A	
MB 180-353839/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	7470A	
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total Recoverable	Water	3005A	
180-119801-2	SWA-2	Total Recoverable	Water	3005A	
180-119801-3	SWA-3	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	7470A	
180-119801-2	SWA-2	Total/NA	Water	7470A	

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QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Metals (Continued)

Prep Batch: 353957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-3	SWA-3	Total/NA	Water	7470A	
180-119801-5	SWC-6	Total/NA	Water	7470A	
180-119801-6	SWC-7	Total/NA	Water	7470A	
180-119801-7	SWC-8	Total/NA	Water	7470A	
180-119801-8	SWC-9	Total/NA	Water	7470A	
MB 180-353957/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 354045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total/NA	Water	EPA 7470A	353839
MB 180-353839/1-A	Method Blank	Total/NA	Water	EPA 7470A	353839
LCS 180-353839/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-C MS	Matrix Spike	Total/NA	Water	EPA 7470A	353839
180-119649-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353839

Prep Batch: 354082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	3005A	
180-119801-5	SWC-6	Total Recoverable	Water	3005A	
180-119801-6	SWC-7	Total Recoverable	Water	3005A	
180-119801-7	SWC-8	Total Recoverable	Water	3005A	
180-119801-8	SWC-9	Total Recoverable	Water	3005A	
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119011-J-13-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119011-J-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 354187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 7470A	353957
180-119801-2	SWA-2	Total/NA	Water	EPA 7470A	353957
180-119801-3	SWA-3	Total/NA	Water	EPA 7470A	353957
180-119801-5	SWC-6	Total/NA	Water	EPA 7470A	353957
180-119801-6	SWC-7	Total/NA	Water	EPA 7470A	353957
180-119801-7	SWC-8	Total/NA	Water	EPA 7470A	353957
180-119801-8	SWC-9	Total/NA	Water	EPA 7470A	353957
MB 180-353957/1-A	Method Blank	Total/NA	Water	EPA 7470A	353957
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353957

Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total Recoverable	Water	EPA 6020B	353880
180-119801-2	SWA-2	Total Recoverable	Water	EPA 6020B	353880
180-119801-3	SWA-3	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880

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QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

Metals (Continued)

Analysis Batch: 354448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

Analysis Batch: 354830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	EPA 6020B	354082
180-119801-5	SWC-6	Total Recoverable	Water	EPA 6020B	354082
180-119801-6	SWC-7	Total Recoverable	Water	EPA 6020B	354082
180-119801-7	SWC-8	Total Recoverable	Water	EPA 6020B	354082
180-119801-8	SWC-9	Total Recoverable	Water	EPA 6020B	354082
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	354082
180-119011-J-13-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	354082
180-119011-J-13-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	354082

Analysis Batch: 354886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	354082

Analysis Batch: 354987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-4	SWC-4	Total Recoverable	Water	EPA 6020B	354082
180-119801-5	SWC-6	Total Recoverable	Water	EPA 6020B	354082
180-119801-6	SWC-7	Total Recoverable	Water	EPA 6020B	354082
180-119801-7	SWC-8	Total Recoverable	Water	EPA 6020B	354082
180-119801-8	SWC-9	Total Recoverable	Water	EPA 6020B	354082
MB 180-354082/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	354082
LCS 180-354082/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	354082

General Chemistry

Analysis Batch: 353098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 2540C	
180-119801-2	SWA-2	Total/NA	Water	SM 2540C	
180-119801-3	SWA-3	Total/NA	Water	SM 2540C	
180-119801-4	SWC-4	Total/NA	Water	SM 2540C	
180-119801-5	SWC-6	Total/NA	Water	SM 2540C	
180-119801-6	SWC-7	Total/NA	Water	SM 2540C	
180-119801-7	SWC-8	Total/NA	Water	SM 2540C	
180-119801-8	SWC-9	Total/NA	Water	SM 2540C	
MB 180-353098/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-353098/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-119801-1 DU	SWA-1	Total/NA	Water	SM 2540C	

Prep Batch: 353518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	410.4	
180-119801-2	SWA-2	Total/NA	Water	410.4	
180-119801-3	SWA-3	Total/NA	Water	410.4	
180-119801-6	SWC-7	Total/NA	Water	410.4	
MB 180-353518/12-A	Method Blank	Total/NA	Water	410.4	

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QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

General Chemistry (Continued)

Prep Batch: 353518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-353518/36-A	Method Blank	Total/NA	Water	410.4	
LCS 180-353518/11-A	Lab Control Sample	Total/NA	Water	410.4	
LCS 180-353518/35-A	Lab Control Sample	Total/NA	Water	410.4	
180-119801-1 MS	SWA-1	Total/NA	Water	410.4	
180-119801-1 MSD	SWA-1	Total/NA	Water	410.4	
180-119801-6 MS	SWC-7	Total/NA	Water	410.4	
180-119801-6 MSD	SWC-7	Total/NA	Water	410.4	

Analysis Batch: 353523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-2	SWA-2	Total/NA	Water	EPA 410.4	353518
180-119801-3	SWA-3	Total/NA	Water	EPA 410.4	353518
180-119801-6	SWC-7	Total/NA	Water	EPA 410.4	353518
MB 180-353518/12-A	Method Blank	Total/NA	Water	EPA 410.4	353518
MB 180-353518/36-A	Method Blank	Total/NA	Water	EPA 410.4	353518
LCS 180-353518/11-A	Lab Control Sample	Total/NA	Water	EPA 410.4	353518
LCS 180-353518/35-A	Lab Control Sample	Total/NA	Water	EPA 410.4	353518
180-119801-1 MS	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-1 MSD	SWA-1	Total/NA	Water	EPA 410.4	353518
180-119801-6 MS	SWC-7	Total/NA	Water	EPA 410.4	353518
180-119801-6 MSD	SWC-7	Total/NA	Water	EPA 410.4	353518

Prep Batch: 353741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 4500 CN C	
180-119801-2	SWA-2	Total/NA	Water	SM 4500 CN C	
180-119801-3	SWA-3	Total/NA	Water	SM 4500 CN C	
180-119801-6	SWC-7	Total/NA	Water	SM 4500 CN C	
MB 180-353741/4-A	Method Blank	Total/NA	Water	SM 4500 CN C	
HLCS 180-353741/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LCS 180-353741/3-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
LLCS 180-353741/1-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-C MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	
180-119570-D-3-B DU	Duplicate	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 353971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 4500CN E	353741
180-119801-2	SWA-2	Total/NA	Water	SM 4500CN E	353741
180-119801-3	SWA-3	Total/NA	Water	SM 4500CN E	353741
180-119801-6	SWC-7	Total/NA	Water	SM 4500CN E	353741
MB 180-353741/4-A	Method Blank	Total/NA	Water	SM 4500CN E	353741
HLCS 180-353741/2-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
LCS 180-353741/3-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
LLCS 180-353741/1-A	Lab Control Sample	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-C MS	Matrix Spike	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500CN E	353741
180-119570-D-3-B DU	Duplicate	Total/NA	Water	SM 4500CN E	353741

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QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Surface Water

Job ID: 180-119801-1

General Chemistry

Analysis Batch: 354417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	SM 5310C	
180-119801-2	SWA-2	Total/NA	Water	SM 5310C	
180-119801-3	SWA-3	Total/NA	Water	SM 5310C	
180-119801-6	SWC-7	Total/NA	Water	SM 5310C	
MB 180-354417/20	Method Blank	Total/NA	Water	SM 5310C	
LCS 180-354417/18	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 180-354417/19	Lab Control Sample Dup	Total/NA	Water	SM 5310C	

Field Service / Mobile Lab

Analysis Batch: 352774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119801-1	SWA-1	Total/NA	Water	Field Sampling	
180-119801-2	SWA-2	Total/NA	Water	Field Sampling	
180-119801-3	SWA-3	Total/NA	Water	Field Sampling	
180-119801-4	SWC-4	Total/NA	Water	Field Sampling	
180-119801-5	SWC-6	Total/NA	Water	Field Sampling	
180-119801-6	SWC-7	Total/NA	Water	Field Sampling	
180-119801-7	SWC-8	Total/NA	Water	Field Sampling	
180-119801-8	SWC-9	Total/NA	Water	Field Sampling	

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other: _____

Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445

Client Contact
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 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 JAbraham@southernco.com

Project Name: Plant Scherer Surface Water
 Site: Georgia
 P O # 18019884

Site Contact: Dawn Prell
 Lab Contact: Shali Brown

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below

Sample Date: 4/7/2021
 Sample Time: 12:25
 Sample Type: G
 Matrix: Water
 # of Cont: 7

Sample Identification
 SWA-1
 SWA-2
 SWA-3
 SWC-4
 SWC-6
 SWC-7
 SWC-8
 SWC-9

Filtered Sample (Y/N)
 Form MS/MSD (Y/N)
 Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Ti, Vn, Zn
 Bi, Ca
 T, Cl, SO4
 TDS
 Chemical Oxygen Demand
 Cyanide
 TOC

Sample Specific Notes:
 pH = 7.47
 pH = 6.99
 pH = 6.97
 pH = 7.50
 pH = 7.73
 pH = 7.51
 pH = 7.17
 pH = 6.71

COG No: 1 of 1 COGs

Sampler:
 For Lab Use Only:
 Walk-in Client:
 Lab Sampling:
 Job / SDG No.:

4	1	3	3	5
---	---	---	---	---

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

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

Special Instructions/QC Requirements & Comments:

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

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

Custody Seal No.: _____

Relinquished by: _____
 Relinquished by: _____
 Relinquished by: _____

Received by: _____
 Received by: _____
 Received by: _____

Company: Southern Ass
 Company: ETR
 Company: ETR

Date/Time: 4-8-2021 10:36
 Date/Time: ETR
 Date/Time: ETR

Cooler Temp. (°C): Obs'd: _____

Therm ID No.: _____

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



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119801-1

Login Number: 119801

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

ANALYTICAL REPORT

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

Laboratory Job ID: 180-119756-1
Client Project/Site: Plant Scherer Effluent

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

Attn: Joju Abraham



Authorized for release by:
4/26/2021 6:37:35 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416



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Case Narrative

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Job ID: 180-119756-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

**Job Narrative
180-119756-1**

Comments

No additional comments.

Receipt

The sample was received on 4/9/2021 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

Metals

Method 7470A: The following sample was diluted to bring the concentration of mercury within the calibration range: Effluent (180-119756-1). Elevated reporting limits (RLs) are provided.

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

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Definitions/Glossary

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
 Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

Sample Summary

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-119756-1	Effluent	Water	04/06/21 11:30	04/09/21 09:30	

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Method Summary

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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



Lab Chronicle

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Client Sample ID: Effluent

Lab Sample ID: 180-119756-1

Date Collected: 04/06/21 11:30

Matrix: Water

Date Received: 04/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	353880	04/20/21 17:54	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			354448	04/23/21 17:51	RSK	TAL PIT
Instrument ID: A										
Total/NA	Prep	7470A			50 mL	50 mL	353957	04/21/21 08:50	MM1	TAL PIT
Total/NA	Analysis	EPA 7470A		20			354187	04/22/21 12:27	KHM	TAL PIT
Instrument ID: HGZ										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney

MM1 = Mary Beth Miller

Batch Type: Analysis

KHM = Kyle Mucroski

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
 Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Client Sample ID: Effluent
 Date Collected: 04/06/21 11:30
 Date Received: 04/09/21 09:30

Lab Sample ID: 180-119756-1
 Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0046		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:51	1
Arsenic	0.021	B	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:51	1
Barium	0.10		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:51	1
Beryllium	0.0018	J B	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:51	1
Cadmium	0.0071	B	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:51	1
Chromium	0.083		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Cobalt	0.092	B	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:51	1
Copper	0.23		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:51	1
Lead	0.036	B	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:51	1
Nickel	0.36	B	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:51	1
Selenium	0.11		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Silver	0.00021	J B	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:51	1
Thallium	0.0013	B	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:51	1
Vanadium	0.039		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:51	1
Zinc	0.56		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:51	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.0040	0.0026	mg/L		04/21/21 08:50	04/22/21 12:27	20

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

Lab Sample ID: MB 180-353880/1-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/20/21 17:54	04/23/21 17:43	1
Arsenic	0.000651	J	0.0010	0.00031	mg/L		04/20/21 17:54	04/23/21 17:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/20/21 17:54	04/23/21 17:43	1
Beryllium	0.000293	J	0.0025	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cadmium	0.000388	J	0.0025	0.00022	mg/L		04/20/21 17:54	04/23/21 17:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Cobalt	0.000354	J	0.0025	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/20/21 17:54	04/23/21 17:43	1
Lead	0.000385	J	0.0010	0.00013	mg/L		04/20/21 17:54	04/23/21 17:43	1
Nickel	0.000389	J	0.0010	0.00034	mg/L		04/20/21 17:54	04/23/21 17:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Silver	0.000200	J	0.0010	0.00018	mg/L		04/20/21 17:54	04/23/21 17:43	1
Thallium	0.000716	J	0.0010	0.00015	mg/L		04/20/21 17:54	04/23/21 17:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/20/21 17:54	04/23/21 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/20/21 17:54	04/23/21 17:43	1

Lab Sample ID: LCS 180-353880/2-A
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.241		mg/L		96	80 - 120
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.496		mg/L		99	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Chromium	0.500	0.502		mg/L		100	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Lead	0.500	0.505		mg/L		101	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.252		mg/L		101	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.254		mg/L		102	80 - 120

Lab Sample ID: 180-119761-B-1-B MS
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	0.969		mg/L		97	75 - 125
Barium	0.014		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125
Chromium	0.0067		0.500	0.514		mg/L		101	75 - 125
Cobalt	0.00023	J B	0.500	0.492		mg/L		98	75 - 125

Eurofins TestAmerica, Pittsburgh

QC Sample Results

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

Lab Sample ID: 180-119761-B-1-B MS
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.00070	J	0.500	0.490		mg/L		98	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Nickel	0.0012	B	0.500	0.483		mg/L		96	75 - 125
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125
Vanadium	0.0059		0.500	0.515		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125

Lab Sample ID: 180-119761-B-1-C MSD
Matrix: Water
Analysis Batch: 354448

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 353880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.014		1.00	1.05		mg/L		104	75 - 125	1	20
Beryllium	<0.00018		0.500	0.505		mg/L		101	75 - 125	0	20
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125	1	20
Chromium	0.0067		0.500	0.520		mg/L		103	75 - 125	1	20
Cobalt	0.00023	J B	0.500	0.501		mg/L		100	75 - 125	2	20
Copper	0.00070	J	0.500	0.499		mg/L		100	75 - 125	2	20
Lead	<0.00013		0.500	0.514		mg/L		103	75 - 125	1	20
Nickel	0.0012	B	0.500	0.491		mg/L		98	75 - 125	2	20
Selenium	<0.0015		1.00	1.02		mg/L		102	75 - 125	1	20
Silver	<0.00018		0.250	0.255		mg/L		102	75 - 125	3	20
Thallium	<0.00015		1.00	1.08		mg/L		108	75 - 125	0	20
Vanadium	0.0059		0.500	0.521		mg/L		103	75 - 125	1	20
Zinc	<0.0032		0.250	0.262		mg/L		105	75 - 125	4	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-353957/1-A
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 353957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/21/21 08:50	04/22/21 10:43	1

Lab Sample ID: LCS 180-353957/2-A
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 353957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Eurofins TestAmerica, Pittsburgh

QC Sample Results

Client: Southern Company
 Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

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

Lab Sample ID: 180-119812-E-1-E MS
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 353957
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00013		0.00100	0.00109		mg/L		109	75 - 125

Lab Sample ID: 180-119812-E-1-F MSD
Matrix: Water
Analysis Batch: 354187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 353957
 %Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	1	20



QC Association Summary

Client: Southern Company
Project/Site: Plant Scherer Effluent

Job ID: 180-119756-1

Metals

Prep Batch: 353880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total Recoverable	Water	3005A	
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 353957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total/NA	Water	7470A	
MB 180-353957/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	7470A	
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 354187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total/NA	Water	EPA 7470A	353957
MB 180-353957/1-A	Method Blank	Total/NA	Water	EPA 7470A	353957
LCS 180-353957/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-E MS	Matrix Spike	Total/NA	Water	EPA 7470A	353957
180-119812-E-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 7470A	353957

Analysis Batch: 354448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-119756-1	Effluent	Total Recoverable	Water	EPA 6020B	353880
MB 180-353880/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	353880
LCS 180-353880/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-B MS	Matrix Spike	Total Recoverable	Water	EPA 6020B	353880
180-119761-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	EPA 6020B	353880

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-119756-1

Login Number: 119756

List Source: Eurofins TestAmerica, Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

APPENDIX A

**Laboratory Analytical Data
June 2021**

ANALYTICAL REPORT

Eurofins TestAmerica, Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-150685-1

Client Project/Site: Plant Scherer PAC Ash Cell Major Ions

For:

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

Attn: Joju Abraham



*Authorized for release by:
6/9/2021 7:48:29 PM*

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

LINKS

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

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



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Definitions/Glossary

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

Job ID: 240-150685-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 240-150685-1

Job ID: 240-150685-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

Job Narrative
240-150685-1

Comments

No additional comments.

Receipt

The samples were received on 6/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

Field Service / Mobile Lab

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

General Chemistry

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

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Method Summary

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

Job ID: 240-150685-1

Method	Method Description	Protocol	Laboratory
2320B-2011	Alkalinity, Total	SM	TAL CAN
Field Sampling	Field Sampling	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



Sample Summary

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

Job ID: 240-150685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-150685-1	GWA-46	Water	06/01/21 16:49	06/04/21 10:10	
240-150685-2	GWA-47	Water	06/01/21 15:18	06/04/21 10:10	
240-150685-3	GWA-48	Water	06/01/21 14:10	06/04/21 10:10	
240-150685-4	GWC-51	Water	06/02/21 11:05	06/04/21 10:10	
240-150685-5	GWC-52	Water	06/02/21 12:17	06/04/21 10:10	
240-150685-6	DUP-1 (PA)	Water	06/02/21 00:00	06/04/21 10:10	
240-150685-7	FB-1 (PA)	Water	06/02/21 12:33	06/04/21 10:10	

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Detection Summary

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

Job ID: 240-150685-1

Client Sample ID: GWA-46

Lab Sample ID: 240-150685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	33		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	33		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	5.80				SU	1		Field Sampling	Total/NA

Client Sample ID: GWA-47

Lab Sample ID: 240-150685-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	67		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	67		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.46				SU	1		Field Sampling	Total/NA

Client Sample ID: GWA-48

Lab Sample ID: 240-150685-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	64		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	64		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.78				SU	1		Field Sampling	Total/NA

Client Sample ID: GWC-51

Lab Sample ID: 240-150685-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	5.87				SU	1		Field Sampling	Total/NA

Client Sample ID: GWC-52

Lab Sample ID: 240-150685-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	49		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	49		5.0	2.6	mg/L	1		2320B-2011	Total/NA
pH, Field	6.60				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 240-150685-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	38		5.0	2.6	mg/L	1		2320B-2011	Total/NA

Client Sample ID: FB-1 (PA)

Lab Sample ID: 240-150685-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: GWA-46
 Date Collected: 06/01/21 16:49
 Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-1
 Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	33		5.0	2.6	mg/L			06/07/21 22:14	1
Bicarbonate Alkalinity as CaCO3	33		5.0	2.6	mg/L			06/07/21 22:14	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:14	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	5.80				SU			06/01/21 16:49	1



Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: GWA-47
Date Collected: 06/01/21 15:18
Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	67		5.0	2.6	mg/L			06/07/21 22:18	1
Bicarbonate Alkalinity as CaCO3	67		5.0	2.6	mg/L			06/07/21 22:18	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.46				SU			06/01/21 15:18	1



Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: GWA-48

Lab Sample ID: 240-150685-3

Date Collected: 06/01/21 14:10

Matrix: Water

Date Received: 06/04/21 10:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	64		5.0	2.6	mg/L			06/07/21 22:24	1
Bicarbonate Alkalinity as CaCO3	64		5.0	2.6	mg/L			06/07/21 22:24	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:24	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.78				SU			06/01/21 14:10	1

Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: GWC-51
Date Collected: 06/02/21 11:05
Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-4
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:28	1
Bicarbonate Alkalinity as CaCO3	38		5.0	2.6	mg/L			06/07/21 22:28	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	5.87				SU			06/02/21 11:05	1

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- 2
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Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: GWC-52

Lab Sample ID: 240-150685-5

Date Collected: 06/02/21 12:17

Matrix: Water

Date Received: 06/04/21 10:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	49		5.0	2.6	mg/L			06/07/21 22:44	1
Bicarbonate Alkalinity as CaCO3	49		5.0	2.6	mg/L			06/07/21 22:44	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.60				SU			06/02/21 12:17	1

Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: DUP-1 (PA)

Lab Sample ID: 240-150685-6

Date Collected: 06/02/21 00:00

Matrix: Water

Date Received: 06/04/21 10:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO ₃	38		5.0	2.6	mg/L			06/07/21 22:47	1
Bicarbonate Alkalinity as CaCO ₃	38		5.0	2.6	mg/L			06/07/21 22:47	1
Carbonate Alkalinity as CaCO ₃	<2.6		5.0	2.6	mg/L			06/07/21 22:47	1

Client Sample Results

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

Job ID: 240-150685-1

Client Sample ID: FB-1 (PA)

Lab Sample ID: 240-150685-7

Date Collected: 06/02/21 12:33

Matrix: Water

Date Received: 06/04/21 10:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:51	1

QC Sample Results

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

Job ID: 240-150685-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 240-489611/30
Matrix: Water
Analysis Batch: 489611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 18:49	1

Lab Sample ID: MB 240-489611/56
Matrix: Water
Analysis Batch: 489611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 20:41	1

Lab Sample ID: MB 240-489611/83
Matrix: Water
Analysis Batch: 489611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1
Bicarbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1
Carbonate Alkalinity as CaCO3	<2.6		5.0	2.6	mg/L			06/07/21 22:36	1

Lab Sample ID: LCS 240-489611/55
Matrix: Water
Analysis Batch: 489611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3	66.8	67.9		mg/L		102	86 - 123

Lab Sample ID: LCS 240-489611/82
Matrix: Water
Analysis Batch: 489611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3	66.8	68.4		mg/L		102	86 - 123

Lab Sample ID: 240-150685-4 DU
Matrix: Water
Analysis Batch: 489611

Client Sample ID: GWC-51
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	38		37.1		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	38		37.1		mg/L		2	20
Carbonate Alkalinity as CaCO3	<2.6		<2.6		mg/L		NC	20

QC Association Summary

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

Job ID: 240-150685-1

General Chemistry

Analysis Batch: 489611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150685-1	GWA-46	Total/NA	Water	2320B-2011	
240-150685-2	GWA-47	Total/NA	Water	2320B-2011	
240-150685-3	GWA-48	Total/NA	Water	2320B-2011	
240-150685-4	GWC-51	Total/NA	Water	2320B-2011	
240-150685-5	GWC-52	Total/NA	Water	2320B-2011	
240-150685-6	DUP-1 (PA)	Total/NA	Water	2320B-2011	
240-150685-7	FB-1 (PA)	Total/NA	Water	2320B-2011	
MB 240-489611/30	Method Blank	Total/NA	Water	2320B-2011	
MB 240-489611/56	Method Blank	Total/NA	Water	2320B-2011	
MB 240-489611/83	Method Blank	Total/NA	Water	2320B-2011	
LCS 240-489611/55	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 240-489611/82	Lab Control Sample	Total/NA	Water	2320B-2011	
240-150685-4 DU	GWC-51	Total/NA	Water	2320B-2011	

Field Service / Mobile Lab

Analysis Batch: 489358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150685-1	GWA-46	Total/NA	Water	Field Sampling	
240-150685-2	GWA-47	Total/NA	Water	Field Sampling	
240-150685-3	GWA-48	Total/NA	Water	Field Sampling	
240-150685-4	GWC-51	Total/NA	Water	Field Sampling	
240-150685-5	GWC-52	Total/NA	Water	Field Sampling	

Lab Chronicle

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

Job ID: 240-150685-1

Client Sample ID: GWA-46

Date Collected: 06/01/21 16:49

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:14	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 16:49	FS	TAL CAN

Client Sample ID: GWA-47

Date Collected: 06/01/21 15:18

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:18	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 15:18	FS	TAL CAN

Client Sample ID: GWA-48

Date Collected: 06/01/21 14:10

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:24	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 14:10	FS	TAL CAN

Client Sample ID: GWC-51

Date Collected: 06/02/21 11:05

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:28	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 11:05	FS	TAL CAN

Client Sample ID: GWC-52

Date Collected: 06/02/21 12:17

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:44	JWW	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 12:17	FS	TAL CAN

Client Sample ID: DUP-1 (PA)

Date Collected: 06/02/21 00:00

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150685-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:47	JWW	TAL CAN

Lab Chronicle

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

Job ID: 240-150685-1

Client Sample ID: FB-1 (PA)

Lab Sample ID: 240-150685-7

Date Collected: 06/02/21 12:33

Matrix: Water

Date Received: 06/04/21 10:10

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	2320B-2011		1	489611	06/07/21 22:51	JWW	TAL CAN

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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Accreditation/Certification Summary

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

Job ID: 240-150685-1

Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-21
Iowa	State	421	06-01-21 *
Kansas	NELAP	E-10336	04-30-21 *
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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

Eurofins TestAmerica, Canton

4.3/4.4

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

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other

Project Manager: Dawn Prell
Tel/Fax: 248-536-5445

Client Contact:
 Joju Abraham
 Southern Company
 241 Ralph McGill Blvd SE B10185
 Atlanta, GA 30308
 J.Abraham@southernco.com

Project Name: CCR - Plant Scherer PAC Ash Cell Major Ions
 Site: Georgia
 P O #

Site Contact: Dawn Prell
Lab Contact: Shaili Brown

Date: 6.2.2021
Carrier:

COC No: 1 of 1 COCs

Sampler:
 For Lab Use Only:
 Walk-in Client
 Lab Sampling

Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Bicarbonate/carbonate Alkalinity	Sample Specific Notes
GWA-46	6-1-21	1649	G	GW	1			X	pH = 5.80
GWA-47	6-1-21	1518	G	GW	1			X	pH = 6.46
GWA-48	6-1-21	1410	G	GW	1			X	pH = 6.78
GWC-51	6-2-21	1105	G	GW	1			X	pH = 5.87
GWC-52	6-2-21	1217	G	GW	1			X	pH = 6.60
DUP-1 (PA)	6-2-21	G	GW	1			X	
FB-1 (PA)	6-2-21	1233	G	W	1			X	

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

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

Non-Hazard Flammable 5 Poison 6 Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Barcode:
 240-150685 Chain of Custody

Therm ID No.:

Cooler Temp. (°C): Obs'd _____

Received by: [Signature] Date/Time: 6-2-21 1554
 Received by: [Signature] Date/Time: 6-4-21 1010
 Received in Laboratory by:

Custody Seal No.: [Signature] Company: Coder
 Relinquished by: [Signature] Company: [Signature]
 Relinquished by: [Signature] Company: [Signature]



**Eurofins TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility**

Login # : 150695

Client Southern Co Site Name _____


Cooler unpacked by:
Matls

Cooler Received on 6-4-21 Opened on 6-4-21

FedEx: 1st Grd ~~EXP~~ UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 79 Foam Box _____ Client Cooler _____ Box _____ Other _____
 Packing material used: Bubble Wrap _____ Foam _____ Plastic Bag _____ None _____ Other _____
 COOLANT: ver ice Blue Ice _____ Dry Ice _____ Water _____ None _____

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 4.3 °C Corrected Cooler Temp. 4.4 °C
 IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
 -Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No
 If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC022887
14. Were VOAs on the COC? Yes No NA
15. Were air bubbles >6 mm in any VOA vials? Yes No NA  ← Larger than this.
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
17. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page

Samples processed by: Ryan

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____
 VOA Sample Preservation - Date/Time VOAs Frozen: _____

ANALYTICAL REPORT

Eurofins TestAmerica, Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-150691-1
Client Project/Site: Plant Scherer Cell 1

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

Attn: Joju Abraham



Authorized for release by:
6/9/2021 8:22:28 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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



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Definitions/Glossary

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

Job ID: 240-150691-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 240-150691-1

Job ID: 240-150691-1

Laboratory: Eurofins TestAmerica, Canton

Narrative

**Job Narrative
240-150691-1**

Comments

No additional comments.

Receipt

The samples were received on 6/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4° C.

Metals

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

Field Service / Mobile Lab

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

General Chemistry

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

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Method Summary

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

Job ID: 240-150691-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	TAL CAN
2540 C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL CAN
9056A	Anions, Ion Chromatography	SW846	TAL CAN
Field Sampling	Field Sampling	EPA	TAL CAN
7470A	Preparation, Mercury	SW846	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

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

Job ID: 240-150691-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-150691-1	GWC-6	Water	06/02/21 11:10	06/04/21 10:10	
240-150691-2	GWC-8A	Water	06/01/21 16:32	06/04/21 10:10	
240-150691-3	GWC-19	Water	06/01/21 13:17	06/04/21 10:10	
240-150691-4	GWC-20	Water	06/01/21 15:25	06/04/21 10:10	

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Detection Summary

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

Job ID: 240-150691-1

Client Sample ID: GWC-6

Lab Sample ID: 240-150691-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	140		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	6.3		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.038	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	13		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.09				SU	1		Field Sampling	Total/NA

Client Sample ID: GWC-8A

Lab Sample ID: 240-150691-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	340		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	9.4		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.034	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	17		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.28				SU	1		Field Sampling	Total/NA

Client Sample ID: GWC-19

Lab Sample ID: 240-150691-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	130		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	2.6		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.026	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	1.9		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.18				SU	1		Field Sampling	Total/NA

Client Sample ID: GWC-20

Lab Sample ID: 240-150691-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	120		10	7.8	mg/L	1		2540 C-2011	Total/NA
Chloride	2.1		1.0	0.28	mg/L	1		9056A	Total/NA
Fluoride	0.033	J	0.050	0.024	mg/L	1		9056A	Total/NA
Sulfate	1.4		1.0	0.35	mg/L	1		9056A	Total/NA
pH, Field	6.39				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Canton

Client Sample Results

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

Job ID: 240-150691-1

Client Sample ID: GWC-6
Date Collected: 06/02/21 11:10
Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-1
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	7.8	mg/L			06/08/21 07:52	1
Chloride	6.3		1.0	0.28	mg/L			06/08/21 04:06	1
Fluoride	0.038	J	0.050	0.024	mg/L			06/08/21 04:06	1
Sulfate	13		1.0	0.35	mg/L			06/08/21 04:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.09				SU			06/02/21 11:10	1

Client Sample Results

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

Job ID: 240-150691-1

Client Sample ID: GWC-8A
 Date Collected: 06/01/21 16:32
 Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-2
 Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	340		10	7.8	mg/L			06/07/21 08:04	1
Chloride	9.4		1.0	0.28	mg/L			06/08/21 01:56	1
Fluoride	0.034	J	0.050	0.024	mg/L			06/08/21 01:56	1
Sulfate	17		1.0	0.35	mg/L			06/08/21 01:56	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.28				SU			06/01/21 16:32	1



Client Sample Results

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

Job ID: 240-150691-1

Client Sample ID: GWC-19
 Date Collected: 06/01/21 13:17
 Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-3
 Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	7.8	mg/L			06/07/21 08:04	1
Chloride	2.6		1.0	0.28	mg/L			06/08/21 03:01	1
Fluoride	0.026	J	0.050	0.024	mg/L			06/08/21 03:01	1
Sulfate	1.9		1.0	0.35	mg/L			06/08/21 03:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.18				SU			06/01/21 13:17	1

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Client Sample Results

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

Job ID: 240-150691-1

Client Sample ID: GWC-20
Date Collected: 06/01/21 15:25
Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-4
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	7.8	mg/L			06/07/21 08:04	1
Chloride	2.1		1.0	0.28	mg/L			06/08/21 03:23	1
Fluoride	0.033	J	0.050	0.024	mg/L			06/08/21 03:23	1
Sulfate	1.4		1.0	0.35	mg/L			06/08/21 03:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH, Field	6.39				SU			06/01/21 15:25	1



QC Sample Results

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

Job ID: 240-150691-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-489364/1-A
Matrix: Water
Analysis Batch: 489492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 489364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		06/07/21 14:00	06/08/21 08:35	1

Lab Sample ID: LCS 240-489364/2-A
Matrix: Water
Analysis Batch: 489492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 489364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00483		mg/L		97	80 - 120

Lab Sample ID: 240-150632-B-1-E MS
Matrix: Water
Analysis Batch: 489492

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 489364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00013		0.00100	0.00107		mg/L		107	80 - 120

Lab Sample ID: 240-150632-B-1-F MSD
Matrix: Water
Analysis Batch: 489492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 489364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00105		mg/L		105	80 - 120	2	20

Method: 2540 C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 240-489268/1
Matrix: Water
Analysis Batch: 489268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			06/07/21 08:04	1

Lab Sample ID: LCS 240-489268/2
Matrix: Water
Analysis Batch: 489268

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	347	369		mg/L		106	80 - 120

Lab Sample ID: 240-150691-2 DU
Matrix: Water
Analysis Batch: 489268

Client Sample ID: GWC-8A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	340		345		mg/L		2	20

QC Sample Results

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

Job ID: 240-150691-1

Method: 2540 C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: MB 240-489489/1
Matrix: Water
Analysis Batch: 489489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			06/08/21 07:52	1

Lab Sample ID: LCS 240-489489/2
Matrix: Water
Analysis Batch: 489489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	347	352		mg/L		101	80 - 120

Lab Sample ID: 240-150693-A-1 DU
Matrix: Water
Analysis Batch: 489489

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	11000		11000		mg/L		2	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 240-489376/3
Matrix: Water
Analysis Batch: 489376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.28		1.0	0.28	mg/L			06/07/21 15:05	1
Fluoride	<0.024		0.050	0.024	mg/L			06/07/21 15:05	1
Sulfate	<0.35		1.0	0.35	mg/L			06/07/21 15:05	1

Lab Sample ID: LCS 240-489376/4
Matrix: Water
Analysis Batch: 489376

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Fluoride	2.50	2.41		mg/L		96	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: 240-150691-2 MS
Matrix: Water
Analysis Batch: 489376

Client Sample ID: GWC-8A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.4		50.0	64.8		mg/L		111	80 - 120
Fluoride	0.034	J	2.50	2.66		mg/L		105	80 - 120
Sulfate	17		50.0	71.0		mg/L		108	80 - 120

QC Sample Results

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

Job ID: 240-150691-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 240-150691-2 MSD
Matrix: Water
Analysis Batch: 489376

Client Sample ID: GWC-8A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.4		50.0	63.7		mg/L		109	80 - 120	2	15
Fluoride	0.034	J	2.50	2.63		mg/L		104	80 - 120	1	15
Sulfate	17		50.0	69.9		mg/L		106	80 - 120	2	15

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QC Association Summary

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

Job ID: 240-150691-1

Metals

Prep Batch: 489364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	7470A	
240-150691-2	GWC-8A	Total/NA	Water	7470A	
240-150691-3	GWC-19	Total/NA	Water	7470A	
240-150691-4	GWC-20	Total/NA	Water	7470A	
MB 240-489364/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-489364/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-150632-B-1-E MS	Matrix Spike	Total/NA	Water	7470A	
240-150632-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 489492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	7470A	489364
240-150691-2	GWC-8A	Total/NA	Water	7470A	489364
240-150691-3	GWC-19	Total/NA	Water	7470A	489364
240-150691-4	GWC-20	Total/NA	Water	7470A	489364
MB 240-489364/1-A	Method Blank	Total/NA	Water	7470A	489364
LCS 240-489364/2-A	Lab Control Sample	Total/NA	Water	7470A	489364
240-150632-B-1-E MS	Matrix Spike	Total/NA	Water	7470A	489364
240-150632-B-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	489364

General Chemistry

Analysis Batch: 489268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-2	GWC-8A	Total/NA	Water	2540 C-2011	
240-150691-3	GWC-19	Total/NA	Water	2540 C-2011	
240-150691-4	GWC-20	Total/NA	Water	2540 C-2011	
MB 240-489268/1	Method Blank	Total/NA	Water	2540 C-2011	
LCS 240-489268/2	Lab Control Sample	Total/NA	Water	2540 C-2011	
240-150691-2 DU	GWC-8A	Total/NA	Water	2540 C-2011	

Analysis Batch: 489376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	9056A	
240-150691-2	GWC-8A	Total/NA	Water	9056A	
240-150691-3	GWC-19	Total/NA	Water	9056A	
240-150691-4	GWC-20	Total/NA	Water	9056A	
MB 240-489376/3	Method Blank	Total/NA	Water	9056A	
LCS 240-489376/4	Lab Control Sample	Total/NA	Water	9056A	
240-150691-2 MS	GWC-8A	Total/NA	Water	9056A	
240-150691-2 MSD	GWC-8A	Total/NA	Water	9056A	

Analysis Batch: 489489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	2540 C-2011	
MB 240-489489/1	Method Blank	Total/NA	Water	2540 C-2011	
LCS 240-489489/2	Lab Control Sample	Total/NA	Water	2540 C-2011	
240-150693-A-1 DU	Duplicate	Total/NA	Water	2540 C-2011	

QC Association Summary

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

Job ID: 240-150691-1

Field Service / Mobile Lab

Analysis Batch: 489358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-1	GWC-6	Total/NA	Water	Field Sampling	
240-150691-2	GWC-8A	Total/NA	Water	Field Sampling	
240-150691-3	GWC-19	Total/NA	Water	Field Sampling	

Analysis Batch: 489360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-150691-4	GWC-20	Total/NA	Water	Field Sampling	

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Lab Chronicle

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

Job ID: 240-150691-1

Client Sample ID: GWC-6

Date Collected: 06/02/21 11:10

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:50	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489489	06/08/21 07:52	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 04:06	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/02/21 11:10	FS	TAL CAN

Client Sample ID: GWC-8A

Date Collected: 06/01/21 16:32

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:52	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 01:56	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 16:32	FS	TAL CAN

Client Sample ID: GWC-19

Date Collected: 06/01/21 13:17

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:54	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 03:01	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489358	06/01/21 13:17	FS	TAL CAN

Client Sample ID: GWC-20

Date Collected: 06/01/21 15:25

Date Received: 06/04/21 10:10

Lab Sample ID: 240-150691-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			489364	06/07/21 14:00	MRL	TAL CAN
Total/NA	Analysis	7470A		1	489492	06/08/21 08:56	SLD	TAL CAN
Total/NA	Analysis	2540 C-2011		1	489268	06/07/21 08:04	AJ	TAL CAN
Total/NA	Analysis	9056A		1	489376	06/08/21 03:23	JMB	TAL CAN
Total/NA	Analysis	Field Sampling		1	489360	06/01/21 15:25	FS	TAL CAN

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

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

Job ID: 240-150691-1

Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-21
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-21
Iowa	State	421	06-01-21 *
Kansas	NELAP	E-10336	04-30-21 *
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-21
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-21
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

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



4.3/4.4

Chain of Custody Record

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

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other: _____
 Project Manager: Dawn Prell
 Tel/Fax: 248-536-5445

Client Contact: _____
 Site: Georgia
 P.O.# _____
 Project Name: CCR - Plant Scherer Cell 1
 Job / SDG No. _____
 Date: 2021
 Carrier: _____
 COC No. 1 of 1 COCs

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below: 3-5 days _____
 2 weeks
 1 week
 2 days
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Sample Specific Notes	
						Mercury	Cl, F, SO4, TDS
GWC-6	6-2-21	1110	G	GW	3	X	pH= 6.09 or 6.09
GWC-8A	6-1-21	1632	G	GW	3	X	pH= 6.28
GWC-19	6-1-21	1317	G	GW	3	X	pH= 6.18
GWC-20	6-1-21	1525	G	GW	3	X	pH= 6.39



Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:
 are retained longer than 1 month)

Relinquished by	Company	Date/Time	Relinquished by	Company	Date/Time
Dawn Prell	Colker Ass.	6-2-21 1554	Abraham	ETA	6-2-21 1010
Abraham Moore	Company	6-2-21 1554	Company	Company	6-2-21 1010



Eurofins TestAmerica Canton Sample Receipt Form/Narrative Login # : 150691
Canton Facility


Client Southern Co Site Name _____ Cooler unpacked by: Matis
Cooler Received on 6-4-21 Opened on 6-4-21
FedEx: 1st Grd UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____
Receipt After-hours: Drop-off Date/Time _____ **Storage Location** _____

TestAmerica Cooler # 77 Foam Box Client Cooler Box Other _____
Packing material used: ~~Bubble~~ Wrap Foam Plastic Bag None Other _____
COOLANT: ~~Water~~ Ice Blue Ice Dry Ice Water None _____

1. Cooler temperature upon receipt See Multiple Cooler Form
IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 4.3 °C Corrected Cooler Temp. 4.4 °C
IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
-Were tamper/custody seals intact and uncompromised? Yes No NA

3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No
If yes, Questions 13-17 have been checked at the originating laboratory.

13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC022887
14. Were VOAs on the COC? Yes No
15. Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this. 
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
17. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: _____

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____
VOA Sample Preservation - Date/Time VOAs Frozen: _____

Lift Using This Tag



B nt Testing
1 10:30
4593
06.04 a

RT **338**
FZ **339**

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

SHIP DATE: 02JUN21
ACTWTG: 52.25 LB
CAD: 859116/CAFE3409

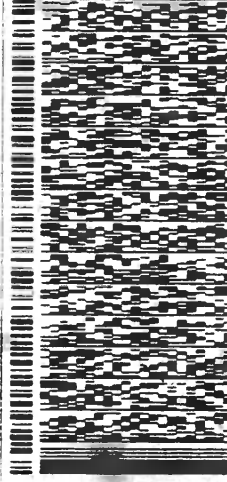
BILL THIRD PARTY

10 **SAMPLE RECEIVEING**

**EUROFINS TESTAMERICA N.CANTON
4101 SHUFFEL ST. NW**

NORTH CANTON OH 44720

(330) 487-9386
REF: **GOLDER**



FedEx
Express

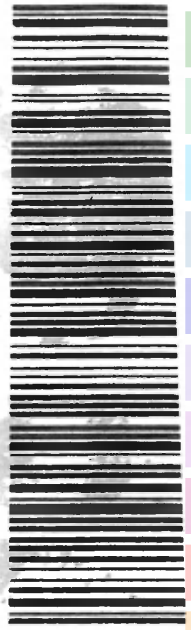


**THU - 03 JUN 10:30
PRIORITY OVERNIGHT**

TRK# **1516 9330 4593**
0201

XH PHDA

**44720
OH-US CL**



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APPENDIX A
Field Data Forms
April 2021

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: D.Thomas

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
GWC-1	

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Test Notes:

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

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

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: D.Thomas

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
GWC-11	

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: D.Thomas

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
GWC-12	

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: D.Thomas

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
GWC-14	

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: D.Thomas

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
GWA-15	

Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Jeannie Quenneville

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Jeannie Quenneville

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: Erik Rheams

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

Low-Flow Readings:

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

Samples

Sample ID:	Description:
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Low-Flow Test Report:

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

Project: Plant Scherer

Operator Name: A. McClure

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

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/2/2021 11:10 AM	00:00	6.27 pH	17.97 °C	348.44 µS/cm	7.52 mg/L		83.1 mV	12.38 ft	
4/2/2021 11:15 AM	05:00	5.93 pH	16.77 °C	498.71 µS/cm	1.07 mg/L	1.75 NTU	77.2 mV	12.97 ft	150.00 ml/min
4/2/2021 11:20 AM	10:00	5.91 pH	16.48 °C	499.30 µS/cm	0.79 mg/L	2.90 NTU	82.1 mV	13.05 ft	150.00 ml/min
4/2/2021 11:25 AM	15:00	5.92 pH	16.92 °C	499.06 µS/cm	0.74 mg/L	1.54 NTU	80.0 mV	13.08 ft	150.00 ml/min
4/2/2021 11:30 AM	20:00	5.92 pH	16.93 °C	502.59 µS/cm	0.68 mg/L	1.95 NTU	73.5 mV	13.09 ft	150.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/5/2021 1:40:35 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

Location Name: GWA-46 Well Diameter: 2 in Total Depth: 47 ft Initial Depth to Water: 30.42 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 45 ft Estimated Total Volume Pumped: 7 L Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 5.64 in	Instrument Used: Aqua TROLL 400 Serial Number: 728541
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/5/2021 1:40 PM	00:00	6.35 pH	26.29 °C	78.01 µS/cm	4.59 mg/L	16.20 NTU	92.4 mV	30.42 ft	200.00 ml/min
4/5/2021 1:45 PM	05:00	6.00 pH	19.62 °C	86.96 µS/cm	2.53 mg/L	13.20 NTU	97.4 mV	30.81 ft	200.00 ml/min
4/5/2021 1:50 PM	10:00	5.97 pH	19.28 °C	84.69 µS/cm	2.49 mg/L	13.00 NTU	63.9 mV	30.85 ft	200.00 ml/min
4/5/2021 1:55 PM	15:00	5.95 pH	19.17 °C	83.58 µS/cm	2.49 mg/L	12.60 NTU	60.8 mV	30.90 ft	200.00 ml/min
4/5/2021 2:00 PM	20:00	5.94 pH	19.10 °C	82.74 µS/cm	2.48 mg/L	8.70 NTU	59.4 mV	30.90 ft	200.00 ml/min
4/5/2021 2:05 PM	25:00	5.93 pH	19.19 °C	81.97 µS/cm	2.47 mg/L	7.09 NTU	60.8 mV	30.86 ft	200.00 ml/min
4/5/2021 2:10 PM	30:00	5.92 pH	19.11 °C	80.82 µS/cm	2.45 mg/L	5.89 NTU	60.9 mV	30.90 ft	200.00 ml/min
4/5/2021 2:15 PM	35:00	5.92 pH	19.19 °C	80.65 µS/cm	2.44 mg/L	3.24 NTU	59.5 mV	30.89 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/5/2021 2:46:52 PM

Project: Plant Scherer

Operator Name: Jeannie Quenneville

Location Name: GWA-47 Well Diameter: 2 in Total Depth: 56.55 m Initial Depth to Water: 38.05 ft	Pump Type: Bladder Tubing Type: Poly Pump Intake From TOC: 51.55 ft Estimated Total Volume Pumped: 19.5 L Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 12.6 in	Instrument Used: Aqua TROLL 400 Serial Number: 728541
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 1	+/- 10	+/- 0.3	
4/5/2021 2:46 PM	00:00	6.59 pH	28.92 °C	123.34 µS/cm	6.36 mg/L	45.90 NTU	83.8 mV	38.05 ft	200.00 ml/min
4/5/2021 2:51 PM	05:00	6.59 pH	20.84 °C	127.87 µS/cm	5.23 mg/L	52.40 NTU	64.1 mV	39.10 ft	200.00 ml/min
4/5/2021 2:56 PM	10:00	6.59 pH	20.26 °C	128.70 µS/cm	4.71 mg/L	43.00 NTU	59.0 mV	39.45 ft	200.00 ml/min
4/5/2021 3:01 PM	15:00	6.59 pH	20.15 °C	129.27 µS/cm	4.56 mg/L	39.20 NTU	58.5 mV	39.46 ft	200.00 ml/min
4/5/2021 3:06 PM	20:00	6.59 pH	20.09 °C	128.79 µS/cm	4.50 mg/L	37.60 NTU	56.4 mV	39.51 ft	200.00 ml/min
4/5/2021 3:11 PM	25:00	6.59 pH	20.17 °C	128.63 µS/cm	4.48 mg/L	34.40 NTU	54.5 mV	39.51 ft	200.00 ml/min
4/5/2021 3:16 PM	30:00	6.58 pH	20.04 °C	128.25 µS/cm	4.48 mg/L	26.20 NTU	54.3 mV	39.54 ft	200.00 ml/min
4/5/2021 3:21 PM	35:00	6.58 pH	19.98 °C	127.20 µS/cm	4.48 mg/L	22.10 NTU	53.5 mV	39.56 ft	200.00 ml/min
4/5/2021 3:26 PM	40:00	6.58 pH	19.90 °C	127.18 µS/cm	4.49 mg/L	17.70 NTU	53.2 mV	39.58 ft	200.00 ml/min
4/5/2021 3:31 PM	45:00	6.58 pH	19.73 °C	127.49 µS/cm	4.52 mg/L	14.40 NTU	53.0 mV	39.60 ft	200.00 ml/min
4/5/2021 3:36 PM	50:00	6.58 pH	19.37 °C	127.74 µS/cm	4.56 mg/L	12.30 NTU	51.9 mV	39.60 ft	200.00 ml/min
4/5/2021 3:41 PM	55:00	6.58 pH	19.53 °C	127.50 µS/cm	4.54 mg/L	11.70 NTU	51.7 mV	39.61 ft	200.00 ml/min
4/5/2021 3:46 PM	01:00:00	6.58 pH	19.36 °C	127.37 µS/cm	4.54 mg/L	9.15 NTU	50.9 mV	39.61 ft	200.00 ml/min
4/5/2021 3:51 PM	01:05:00	6.58 pH	19.28 °C	127.42 µS/cm	4.55 mg/L	8.57 NTU	50.5 mV	39.59 ft	200.00 ml/min
4/5/2021 3:56 PM	01:10:00	6.58 pH	19.33 °C	127.52 µS/cm	4.54 mg/L	8.27 NTU	50.2 mV	39.61 ft	200.00 ml/min

4/5/2021 4:01 PM	01:15:00	6.58 pH	19.25 °C	127.13 µS/cm	4.55 mg/L	7.60 NTU	49.8 mV	39.65 ft	200.00 ml/min
4/5/2021 4:06 PM	01:20:00	6.58 pH	19.26 °C	127.81 µS/cm	4.55 mg/L	6.99 NTU	64.9 mV	39.65 ft	200.00 ml/min
4/5/2021 4:11 PM	01:25:00	6.58 pH	19.33 °C	127.19 µS/cm	4.54 mg/L	6.14 NTU	51.0 mV	39.65 ft	200.00 ml/min
4/5/2021 4:16 PM	01:30:00	6.58 pH	19.17 °C	127.72 µS/cm	4.56 mg/L	6.81 NTU	49.4 mV	39.50 ft	100.00 ml/min
4/5/2021 4:21 PM	01:35:00	6.59 pH	19.86 °C	129.53 µS/cm	4.48 mg/L	7.78 NTU	49.0 mV	39.32 ft	100.00 ml/min
4/5/2021 4:26 PM	01:40:00	6.60 pH	19.81 °C	128.74 µS/cm	4.47 mg/L	6.40 NTU	50.1 mV	39.20 ft	100.00 ml/min
4/5/2021 4:31 PM	01:45:00	6.59 pH	19.98 °C	128.08 µS/cm	4.45 mg/L	4.65 NTU	49.9 mV	39.10 ft	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/5/2021 1:36:29 PM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWA-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 63.92 ft Total Depth: 73.92 ft Initial Depth to Water: 35.23 ft	Pump Type: QED Well Wizard Tubing Type: Polyethylene Pump Intake From TOC: 68.92 ft Estimated Total Volume Pumped: 3.75 L Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 13.92 in	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 1:36 PM	00:00	7.00 pH	34.18 °C	134.64 µS/cm	6.90 mg/L		35.6 mV	35.23 ft	150.00 ml/min
4/5/2021 1:41 PM	05:00	6.86 pH	23.67 °C	127.12 µS/cm	5.07 mg/L	5.92 NTU	35.9 mV	35.97 ft	150.00 ml/min
4/5/2021 1:46 PM	10:00	6.82 pH	21.86 °C	127.30 µS/cm	5.33 mg/L	2.30 NTU	36.7 mV	36.33 ft	150.00 ml/min
4/5/2021 1:51 PM	15:00	6.82 pH	21.78 °C	127.57 µS/cm	5.51 mg/L	3.41 NTU	37.6 mV	36.47 ft	150.00 ml/min
4/5/2021 1:56 PM	20:00	6.79 pH	21.73 °C	126.48 µS/cm	5.30 mg/L	5.37 NTU	41.1 mV	36.48 ft	150.00 ml/min
4/5/2021 2:01 PM	25:00	6.78 pH	21.91 °C	127.53 µS/cm	5.40 mg/L	2.18 NTU	42.6 mV	36.39 ft	150.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/6/2021 9:45:08 AM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWA-49 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31 ft Total Depth: 41 ft Initial Depth to Water: 7.6 ft	Pump Type: Alexis Tubing Type: Polyethylene Pump Intake From TOC: 36 ft Estimated Total Volume Pumped: 5 L Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 9.0 in	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 9:45 AM	00:00	7.78 pH	16.74 °C	335.82 µS/cm	9.05 mg/L		124.7 mV	7.60 ft	
4/6/2021 9:50 AM	05:00	7.46 pH	17.10 °C	163.42 µS/cm	8.72 mg/L	0.73 NTU	62.2 mV	8.18 ft	200.00 ml/min
4/6/2021 9:55 AM	10:00	7.06 pH	17.29 °C	158.86 µS/cm	7.85 mg/L	0.74 NTU	59.8 mV	8.27 ft	200.00 ml/min
4/6/2021 10:00 AM	15:00	6.91 pH	17.54 °C	158.65 µS/cm	7.43 mg/L	0.67 NTU	58.0 mV	8.32 ft	200.00 ml/min
4/6/2021 10:05 AM	20:00	6.88 pH	17.59 °C	157.89 µS/cm	7.37 mg/L	0.75 NTU	56.2 mV	8.34 ft	200.00 ml/min
4/6/2021 10:10 AM	25:00	6.87 pH	17.63 °C	158.35 µS/cm	7.36 mg/L	1.03 NTU	56.2 mV	8.35 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/6/2021 1:18:57 PM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWC-50 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 26.3 ft Total Depth: 36.3 ft Initial Depth to Water: 7.87 ft	Pump Type: Alexis Tubing Type: Polyethylene Pump Intake From TOC: 31 ft Estimated Total Volume Pumped: 4 L Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 6.12 in	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 1:18 PM	00:00	5.80 pH	26.37 °C	80.40 µS/cm	0.87 mg/L		71.1 mV	7.87 ft	200.00 ml/min
4/6/2021 1:23 PM	05:00	5.79 pH	21.68 °C	86.95 µS/cm	0.26 mg/L	1.94 NTU	97.3 mV	8.35 ft	200.00 ml/min
4/6/2021 1:28 PM	10:00	5.78 pH	21.27 °C	87.44 µS/cm	0.21 mg/L	1.16 NTU	130.2 mV	8.36 ft	200.00 ml/min
4/6/2021 1:33 PM	15:00	5.76 pH	21.15 °C	87.42 µS/cm	0.18 mg/L	0.99 NTU	175.4 mV	8.37 ft	200.00 ml/min
4/6/2021 1:38 PM	20:00	5.76 pH	21.00 °C	87.52 µS/cm	0.17 mg/L	1.35 NTU	206.5 mV	8.38 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/5/2021 3:44:47 PM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWC-51 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 16.8 ft Total Depth: 26.8 ft Initial Depth to Water: 8.13 ft	Pump Type: Alexis Tubing Type: Polyethylene Pump Intake From TOC: 21.8 ft Estimated Total Volume Pumped: 4 L Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 3.6 in	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 3:44 PM	00:00	6.64 pH	32.70 °C	94.90 µS/cm	3.83 mg/L		53.5 mV	8.13 ft	200.00 ml/min
4/5/2021 3:49 PM	05:00	6.10 pH	22.72 °C	101.48 µS/cm	0.55 mg/L	1.74 NTU	62.6 mV	8.44 ft	200.00 ml/min
4/5/2021 3:54 PM	10:00	6.06 pH	22.25 °C	101.51 µS/cm	0.45 mg/L	3.83 NTU	73.9 mV	8.43 ft	200.00 ml/min
4/5/2021 3:59 PM	15:00	6.00 pH	22.04 °C	99.83 µS/cm	0.32 mg/L	3.34 NTU	89.2 mV	8.43 ft	200.00 ml/min
4/5/2021 4:04 PM	20:00	5.99 pH	21.91 °C	98.88 µS/cm	0.25 mg/L	4.64 NTU	104.6 mV	8.43 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/5/2021 2:41:25 PM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWC-52 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 22.8 ft Total Depth: 32.8 ft Initial Depth to Water: 8.93 ft	Pump Type: Alexis Tubing Type: Polyethylene Pump Intake From TOC: 27.5 m Estimated Total Volume Pumped: 4.4 L Flow Cell Volume: 90 ml Final Flow Rate: 220 ml/min Final Draw Down: 2.76 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/5/2021 2:41 PM	00:00	7.06 pH	33.97 °C	204.32 µS/cm	5.97 mg/L		55.0 mV	8.93 ft	220.00 ml/min
4/5/2021 2:46 PM	05:00	6.74 pH	21.79 °C	239.77 µS/cm	0.38 mg/L	0.67 NTU	47.7 mV	9.15 ft	220.00 ml/min
4/5/2021 2:51 PM	10:00	6.70 pH	20.89 °C	239.42 µS/cm	0.25 mg/L	0.64 NTU	50.2 mV	9.16 ft	220.00 ml/min
4/5/2021 2:56 PM	15:00	6.69 pH	20.63 °C	241.01 µS/cm	0.25 mg/L	1.88 NTU	49.8 mV	9.16 ft	220.00 ml/min
4/5/2021 3:01 PM	20:00	6.68 pH	20.32 °C	239.76 µS/cm	0.31 mg/L	1.77 NTU	53.2 mV	9.16 ft	220.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 4/6/2021 11:41:12 AM

Project: Plant Scherer

Operator Name: A. McClure

Location Name: GWC-53 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 22.8 ft Total Depth: 32.8 ft Initial Depth to Water: 9.27 ft	Pump Type: Alexis Tubing Type: Polyethylene Pump Intake From TOC: 27.5 ft Estimated Total Volume Pumped: 4 L Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 4.56 in	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5	
4/6/2021 11:41 AM	00:00	6.32 pH	26.37 °C	402.04 µS/cm	1.83 mg/L		72.5 mV	9.27 ft	200.00 ml/min
4/6/2021 11:46 AM	05:00	5.79 pH	20.39 °C	439.78 µS/cm	0.30 mg/L	1.17 NTU	65.1 mV	9.64 ft	200.00 ml/min
4/6/2021 11:51 AM	10:00	5.73 pH	19.95 °C	444.60 µS/cm	0.21 mg/L	0.89 NTU	64.5 mV	9.64 ft	200.00 ml/min
4/6/2021 11:56 AM	15:00	5.70 pH	20.02 °C	444.92 µS/cm	0.18 mg/L	1.40 NTU	62.4 mV	9.65 ft	200.00 ml/min
4/6/2021 12:01 PM	20:00	5.67 pH	19.86 °C	442.82 µS/cm	0.16 mg/L	1.66 NTU	62.2 mV	9.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 3/30/2021 12:54:07 PM

Project: 166235021

Operator Name: Jude Waguespack

Location Name: SWA-1	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 5
3/30/2021 12:54 PM	00:00	5.63 pH	22.88 °C	249.11 µS/cm	8.35 mg/L		123.6 mV	
3/30/2021 12:55 PM	01:00	6.01 pH	22.80 °C	248.58 µS/cm	8.34 mg/L	8.68 NTU	93.7 mV	

Samples

Sample ID:	Description:
SWA-1	

Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:27:51 PM

Project:

Operator Name:

Location Name: SWA-1	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 12:27 PM	00:00	7.40 pH	25.51 °C	218.74 µS/cm	10.83 mg/L	2.26 NTU	79.7 mV	
4/7/2021 12:28 PM	01:00	7.47 pH	25.56 °C	218.71 µS/cm	10.81 mg/L	2.26 NTU	79.5 mV	

Samples

Sample ID:	Description:
SWA-1	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 5:17:59 PM

Project: 166235021 (9)

Operator Name: Jude Waguespack

Location Name: SWA-2	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 5:17 PM	00:00	6.65 pH	19.01 °C	518.36 µS/cm	7.16 mg/L		12.0 mV	
3/30/2021 5:18 PM	01:00	6.70 pH	18.93 °C	520.78 µS/cm	7.13 mg/L	9.62 NTU	11.8 mV	

Samples

Sample ID:	Description:
SWA-2	

Low-Flow Test Report:

Test Date / Time: 4/7/2021 3:26:30 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWA-2	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 3:26 PM	00:00	6.98 pH	23.39 °C	556.13 µS/cm	7.30 mg/L		42.9 mV	
4/7/2021 3:27 PM	01:00	6.99 pH	22.98 °C	562.67 µS/cm	7.45 mg/L	5.15 NTU	40.4 mV	

Samples

Sample ID:	Description:
SWA-2	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 4:58:47 PM

Project: 166235021 (8)

Operator Name: Jude Waguespack

Location Name: SWA-3	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 4:58 PM	00:00	6.79 pH	19.06 °C	305.58 µS/cm	7.63 mg/L		18.4 mV	
3/30/2021 4:59 PM	01:00	6.72 pH	18.88 °C	307.20 µS/cm	7.64 mg/L	5.41 NTU	19.6 mV	

Samples

Sample ID:	Description:
SWA-3	

Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:55:21 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWA-3	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:55 PM	00:00	7.08 pH	24.42 °C	290.56 µS/cm	7.61 mg/L		55.7 mV	
4/7/2021 2:56 PM	01:00	6.97 pH	23.83 °C	296.44 µS/cm	7.97 mg/L	3.49 NTU	54.1 mV	

Samples

Sample ID:	Description:
SWA-3	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 1:27:44 PM

Project: 166235021 (2)

Operator Name: Jude Waguespack

Location Name: SWC-4	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 1:27 PM	00:00	6.52 pH	20.79 °C	276.21 µS/cm	7.54 mg/L		51.0 mV	
3/30/2021 1:28 PM	01:00	6.66 pH	19.95 °C	282.56 µS/cm	7.82 mg/L	12.04 NTU	43.4 mV	

Samples

Sample ID:	Description:
SWC-4	

Low-Flow Test Report:

Test Date / Time: 4/7/2021 12:51:21 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-4	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 12:51 PM	00:00	7.52 pH	21.07 °C	331.22 µS/cm	9.06 mg/L		71.5 mV	
4/7/2021 12:52 PM	01:00	7.50 pH	21.02 °C	331.30 µS/cm	9.19 mg/L	5.70 NTU	73.2 mV	

Samples

Sample ID:	Description:
SWC-4	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 2:02:09 PM

Project: 166235021 (3)

Operator Name: Jude Waguespack

Location Name: SWC-5	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 2:02 PM	00:00	6.92 pH	19.59 °C	439.96 µS/cm	7.84 mg/L		33.9 mV	
3/30/2021 2:03 PM	01:00	6.93 pH	19.50 °C	440.03 µS/cm	7.83 mg/L	7.98 NTU	34.1 mV	

Samples

Sample ID:	Description:
SWC-5	Surface water

Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:05:04 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-6	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:05 PM	00:00	7.79 pH	21.67 °C	137.42 µS/cm	9.05 mg/L		71.2 mV	
4/7/2021 2:06 PM	01:00	7.73 pH	21.50 °C	137.85 µS/cm	9.12 mg/L	12.19 NTU	71.2 mV	

Samples

Sample ID:	Description:
SWC-6	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 3:37:46 PM

Project: 166235021 (5)

Operator Name: Jude Waguespack

Location Name: SWC-7	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 3:37 PM	00:00	6.75 pH	20.18 °C	223.03 µS/cm	8.26 mg/L		51.0 mV	
3/30/2021 3:38 PM	01:00	6.90 pH	19.51 °C	227.68 µS/cm	8.53 mg/L	11.60 NTU	44.6 mV	

Samples

Sample ID:	Description:
SWC-7	Surface water

Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:45:23 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-7	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 1:45 PM	00:00	7.45 pH	23.17 °C	262.96 µS/cm	9.41 mg/L		81.5 mV	
4/7/2021 1:46 PM	01:00	7.51 pH	22.43 °C	268.92 µS/cm	9.83 mg/L	6.78 NTU	79.3 mV	

Samples

Sample ID:	Description:
SWC-7	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 4:33:40 PM

Project: 166235021 (7)

Operator Name: Jude Waguespack

Location Name: SWC-8	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 4:33 PM	00:00	7.04 pH	19.72 °C	365.03 µS/cm	7.49 mg/L		16.6 mV	
3/30/2021 4:34 PM	01:00	7.00 pH	19.50 °C	367.51 µS/cm	7.56 mg/L	9.82 NTU	17.1 mV	

Samples

Sample ID:	Description:
SWC-8	

Low-Flow Test Report:

Test Date / Time: 4/7/2021 2:41:22 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-8	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 2:41 PM	00:00	7.16 pH	23.88 °C	427.37 µS/cm	8.30 mg/L		61.8 mV	
4/7/2021 2:42 PM	01:00	7.17 pH	24.06 °C	426.74 µS/cm	8.26 mg/L	5.58 NTU	61.3 mV	

Samples

Sample ID:	Description:
SWC-8	

Low-Flow Test Report:

Test Date / Time: 3/30/2021 2:49:43 PM

Project: 166235021 (4)

Operator Name: Jude Waguespack

Location Name: SWC-9	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728566
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Test Notes:
Surface water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3
3/30/2021 2:49 PM	00:00	6.73 pH	19.85 °C	113.42 µS/cm	7.18 mg/L		66.3 mV	
3/30/2021 2:50 PM	01:00	6.58 pH	19.68 °C	114.49 µS/cm	7.21 mg/L	1.72 NTU	86.0 mV	

Samples

Sample ID:	Description:
SWC-9	Surface water

Low-Flow Test Report:

Test Date / Time: 4/7/2021 1:15:31 PM

Project: Plant Scherer

Operator Name: K. Minkara

Location Name: SWC-9	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 728550
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/7/2021 1:15 PM	00:00	6.83 pH	21.08 °C	120.02 µS/cm	7.75 mg/L		80.5 mV	
4/7/2021 1:16 PM	01:00	6.72 pH	20.98 °C	121.04 µS/cm	7.83 mg/L	0.90 NTU	79.1 mV	

Samples

Sample ID:	Description:
SWC-9	

APPENDIX A
Field Data Forms
June 2021

Product Name: Low-Flow System

Date: 2021-06-02 11:14:38

Project Information:

Operator Name D.Thomas
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 43 ft

Pump placement from TOC 43 ft

Well Information:

Well ID GWC-6
Well diameter 2 in
Well Total Depth 48.5 ft
Screen Length 10 ft
Depth to Water 37.1 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.4069272 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 0.6 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:00:41	300.06	21.70	6.13	205.00	6.12	37.15	6.22	633.45
Last 5	11:05:41	600.02	21.49	6.11	200.80	4.95	37.15	6.03	681.53
Last 5	11:10:41	900.02	21.48	6.09	197.95	4.85	37.15	5.91	738.16
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.22	-0.03	-4.21			-0.19	48.08
Variance 2			-0.00	-0.02	-2.85			-0.12	56.63

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 16:36:16

Project Information:

Operator Name D.Thomas
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 42 ft

Pump placement from TOC 42 ft

Well Information:

Well ID GWC-8A
Well diameter 2 in
Well Total Depth 47.50 ft
Screen Length 10 ft
Depth to Water 22.90 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.2774638 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 4.8 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	16:17:41	300.02	24.16	6.25	534.43	1.43	23.28	0.46	267.22
Last 5	16:22:41	600.02	23.84	6.27	537.93	1.02	23.28	0.34	325.73
Last 5	16:27:41	900.02	23.15	6.27	537.03	0.32	23.30	0.36	386.40
Last 5	16:32:41	1200.01	23.43	6.28	534.63	0.18	23.30	0.24	421.75
Last 5									
Variance 0			-0.33	0.02	3.49			-0.12	58.51
Variance 1			-0.69	0.00	-0.89			0.02	60.68
Variance 2			0.29	0.00	-2.40			-0.12	35.35

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 13:20:25

Project Information:

Operator Name D.Thomas
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Samplepro
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 57 ft

Pump placement from TOC 57 ft

Well Information:

Well ID GWC-19
Well diameter 2 in
Well Total Depth 62.75 ft
Screen Length 10 ft
Depth to Water 36.4 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.4694151 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 9.72 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:02:22	300.08	23.48	6.17	182.00	3.60	37.21	5.04	661.55
Last 5	13:07:22	600.02	22.89	6.18	181.51	2.84	37.21	5.01	712.99
Last 5	13:12:22	900.02	22.75	6.18	181.64	2.63	37.21	4.95	744.88
Last 5	13:17:22	1200.02	22.76	6.18	181.01	2.43	37.21	4.85	770.92
Last 5									
Variance 0			-0.58	0.01	-0.49			-0.02	51.44
Variance 1			-0.15	0.00	0.14			-0.06	31.89
Variance 2			0.01	0.00	-0.63			-0.10	26.04

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 15:31:52

Project Information:

Operator Name D.Thomas
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 597519
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Samplepro
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 67 ft

Pump placement from TOC 67 ft

Well Information:

Well ID GWC-20
Well diameter 2 in
Well Total Depth 72.7 ft
Screen Length 10 ft
Depth to Water 43.76 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.5140493 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 2.88 in
Total Volume Pumped 14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	15:05:38	3000.00	22.38	6.39	143.49	6.15	44.00	5.83	791.71
Last 5	15:10:38	3299.99	21.85	6.39	141.38	6.64	44.00	5.81	798.03
Last 5	15:15:38	3599.99	21.37	6.39	141.86	5.99	44.00	5.88	798.67
Last 5	15:20:38	3899.99	21.65	6.38	142.90	5.38	44.00	5.87	795.60
Last 5	15:25:38	4199.98	22.01	6.39	143.05	4.89	44.00	5.82	796.91
Variance 0			-0.47	0.00	0.47			0.07	0.64
Variance 1			0.28	-0.01	1.04			-0.01	-3.08
Variance 2			0.36	0.01	0.15			-0.05	1.31

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 17:02:38

Project Information:

Operator Name J.Waguespack
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 512733
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type SamplePro
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 42 ft

Pump placement from TOC 42 ft

Well Information:

Well ID GWA-46
Well diameter 2 in
Well Total Depth 47.0 ft
Screen Length 10 ft
Depth to Water 30.65 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.4024638 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 3.48 in
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	16:34:13	300.06	21.59	5.81	74.56	8.61	30.94	2.31	290.54
Last 5	16:39:13	600.02	20.61	5.81	75.00	3.86	30.94	2.33	385.62
Last 5	16:44:13	900.02	20.48	5.80	75.05	1.27	30.94	2.28	385.20
Last 5	16:49:13	1200.02	20.31	5.80	74.98	1.04	30.94	2.28	389.92
Last 5									
Variance 0			-0.98	-0.00	0.44			0.02	95.08
Variance 1			-0.13	-0.01	0.06			-0.05	-0.42
Variance 2			-0.18	-0.01	-0.07			0.00	4.72

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 15:40:02

Project Information:

Operator Name J.Waguespack
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 512733
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type SamplePro
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 51 ft

Pump placement from TOC 51 ft

Well Information:

Well ID GWA-47
Well diameter 2 in
Well Total Depth 56.55 ft
Screen Length 10 ft
Depth to Water 37.73 ft

Pumping Information:

Final Pumping Rate 150 mL/min
Total System Volume 0.4426346 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 12.84 in
Total Volume Pumped 3.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	14:58:01	300.03	22.67	6.47	126.42	70.30	38.27	4.76	489.98
Last 5	15:03:01	600.02	21.48	6.45	128.13	42.80	38.58	4.74	505.58
Last 5	15:08:01	900.02	21.33	6.45	128.92	26.90	38.79	4.60	515.24
Last 5	15:13:01	1200.02	21.06	6.46	128.59	13.90	38.79	4.59	525.93
Last 5	15:18:01	1500.02	20.85	6.46	127.85	8.79	38.80	4.59	535.69
Variance 0			-0.15	0.00	0.79			-0.14	9.66
Variance 1			-0.27	0.01	-0.34			-0.01	10.69
Variance 2			-0.21	-0.00	-0.74			-0.01	9.76

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-01 14:12:46

Project Information:

Operator Name J.Waguespack
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 512733
Turbidity Make/Model LaMotte 2020

Pump Information:

Pump Model/Type QED Dedicated
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 68 ft

Pump placement from TOC 68 ft

Well Information:

Well ID GWA-48
Well diameter 2 in
Well Total Depth 73.92 ft
Screen Length 10 ft
Depth to Water 35.62 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.6885128 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 22.56 in
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	13:50:21	300.06	20.08	6.76	122.34	2.49	36.70	5.48	449.54
Last 5	13:55:21	600.03	19.41	6.78	123.09	2.02	37.10	5.50	457.80
Last 5	14:00:21	900.02	19.67	6.78	123.08	2.41	37.45	5.48	455.41
Last 5	14:05:21	1200.02	19.81	6.78	123.06	2.40	37.50	5.45	451.52
Last 5	14:10:21	1500.02	19.86	6.78	122.87	3.70	37.50	5.48	449.07
Variance 0			0.26	-0.00	-0.01			-0.02	-2.39
Variance 1			0.14	0.00	-0.02			-0.03	-3.90
Variance 2			0.05	-0.00	-0.18			0.03	-2.45

Notes

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-02 11:25:40

Project Information:

Operator Name J.Waguespack
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 512733
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 21 ft

Pump placement from TOC 21 ft

Well Information:

Well ID GWC-51
Well diameter 2 in
Well Total Depth 26.80 ft
Screen Length 10 ft
Depth to Water 8.90 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.1837319 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 4.8 in
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	10:50:13	300.11	19.77	5.96	101.81	3.97	9.27	0.27	219.84
Last 5	10:55:13	600.02	19.83	5.90	99.54	2.85	9.28	0.16	277.46
Last 5	11:00:13	900.02	19.87	5.88	98.71	2.06	9.29	0.12	338.22
Last 5	11:05:13	1200.01	19.94	5.87	97.45	1.04	9.30	0.10	390.87
Last 5									
Variance 0			0.06	-0.06	-2.28			-0.11	57.62
Variance 1			0.04	-0.02	-0.83			-0.04	60.76
Variance 2			0.08	-0.02	-1.26			-0.02	52.65

Notes

Dup-1

Grab Samples

Product Name: Low-Flow System

Date: 2021-06-02 12:36:41

Project Information:

Operator Name J.Waguespack
Company Name Golder Associates
Project Name 166235021
Site Name Plant Scherer
Latitude 0° 0' 0"
Longitude 0° 0' 0"
Sonde SN 512733
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis
Tubing Type polyethylene
Tubing Diameter 0.170 in
Tubing Length 27 ft

Pump placement from TOC 27 ft

Well Information:

Well ID GWC-52
Well diameter 2 in
Well Total Depth 32.80 ft
Screen Length 10 ft
Depth to Water 9.20 ft

Pumping Information:

Final Pumping Rate 200 mL/min
Total System Volume 0.2105124 L
Calculated Sample Rate 300 sec
Stabilization Drawdown 3.12 in
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond μ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 5		+/- 10%	+/- 10
Last 5	11:57:31	300.06	21.10	6.59	237.64	1.18	9.43	0.31	475.93
Last 5	12:02:31	600.03	20.67	6.60	233.81	0.60	9.45	0.22	495.93
Last 5	12:07:31	900.02	20.39	6.60	234.61	0.37	9.46	0.49	509.44
Last 5	12:12:31	1200.02	20.35	6.60	233.57	0.39	9.46	0.48	520.29
Last 5	12:17:31	1500.02	20.39	6.60	233.36	0.30	9.46	0.37	528.15
Variance 0			-0.28	0.00	0.80			0.26	13.52
Variance 1			-0.04	0.00	-1.04			-0.00	10.84
Variance 2			0.04	0.00	-0.21			-0.11	7.86

Notes

FB-1

Grab Samples

APPENDIX A

Instrument Calibration Forms

Project Plant Scherer
 Field Staff K. Minkara / A. McClure / D. Thomas

Instrument Calibration

Date: 2-9-21 | 2-9-21 | 2-10-21
 Time: 870 | 1315 | 0800

Parameter	Units	Standard	SmarTROLL SN <u>646770</u> iPad # <u>78</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN <u>646770</u> iPad # <u>78</u>	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	91.1		91.1	
Conductivity	us/cm	4490	3971		4284	
pH	S.U.	4.00	4.43		4.40	
pH	S.U.	7.00	7.16	7.07	7.09	
pH	S.U.	10.00	9.94		9.88	
ORP	mV	228.00	234.8		235.5	

Turbidity	Units	Standard	LaMotte SN <u>4392-194</u>	LaMotte SN _____	LaMotte SN <u>4392-194</u>	LaMotte SN _____
	NTU	0.0	-0.02		-0.01	
	NTU	1.0	1.08		1.30	
	NTU	10.0	9.96		8.99	

Date:
Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nephelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer
 Field Staff K. Minkara / A. McClure / D. Thomas

Include daily mid-day pH check

Instrument Calibration

Date: 2/9/21 2/10/21
 Time: 0745 0740

Parameter	Units	Standard	SmarTROLL SN <u>642533</u> iPad # <u>76</u>	SmarTROLL SN <u>642533</u> iPad # <u>76</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.6	101.0		
Conductivity	us/cm	4490	4241	4105		
pH	S.U.	4.00	4.48	4.42		
pH	S.U.	7.00	7.21/7.07	7.19		
pH	S.U.	10.00	9.95	9.98		
ORP	mV	228.00	232.7	228.3		

MID-DAY PH
 2/9/21
 - pH = 7.07
 @ 12:04
 using 7.00 standard

Turbidity	Units	Standard	LaMotte SN <u>1603-441</u>	LaMotte SN <u>1603-441</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	0.0		
	NTU	1.0	0.93	1.0		
	NTU	10.0	9.92	10.03		

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer
Field Staff K. Minkara / A. McClure / D. Thomas

Instrument Calibration

Date: 2-9-21 2-9-21
Time: 0743 1221

Parameter	Units	Standard	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>92.4</u>			
Conductivity	us/cm	4490	<u>4446</u>			
pH	S.U.	4.00	<u>4.54</u>			
pH	S.U.	7.00	<u>7.27</u>	<u>7.22</u>		
pH	S.U.	10.00	<u>9.98</u>			
ORP	mV	228.00	<u>230.9</u>			

Turbidity	Units	Standard	LaMotte SN <u>5896-3715</u>	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	<u>0.0</u>			
	NTU	1.0	<u>1.0</u>			
	NTU	10.0	<u>10.0</u>			

Date: 2-10-21
Time: 0812

Parameter	Units	Standard	SmarTROLL SN <u>646777</u> iPad # <u>92</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>93.2</u>			
Conductivity	us/cm	4490	<u>4437</u>			
pH	S.U.	4.00	<u>4.57</u>			
pH	S.U.	7.00	<u>7.24</u>			
pH	S.U.	10.00	<u>10.01</u>			
ORP	mV	228.00	<u>227.3</u>			

Turbidity	Units	Standard	LaMotte SN <u>5896-3715</u>	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	<u>0.0</u>			
	NTU	1.0	<u>1.0</u>			
	NTU	10.0	<u>10.0</u>			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer *Include daily mid-day pH check*
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams / **JWAGUESPACK**

Instrument Calibration

Date: 3/30/21 4/1/21
 Time: 8:22 12:46 08:20
Aquatroll Aquatroll 13:10

Parameter	Units	Standard	SmarTROLL SN 728566 iPad # 94	SmarTROLL SN _____ iPad # _____	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	107.75		106.58	
Conductivity	us/cm	4490	4246.2		4452.0	
pH	S.U.	4.00	3.98	4.05	4.03	
pH	S.U.	7.00	7.14		7.04	7.07
pH	S.U.	10.00	10.30		10.07	
ORP	mV	228.00	232.7		238.6	

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 4/2/21
 Time: 0745

Parameter	Units	Standard	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	93.62			
Conductivity	us/cm	4490	4479.1			
pH	S.U.	4.00	4.02			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.62			
ORP	mV	228.00	232.9			

Turbidity	Units	Standard	LaMotte SN 4392-1714	LaMotte SN 2289-2612	LaMotte SN 1438-3911	LaMotte SN
	NTU	0.0	0.0	0.0	0.01	
	NTU	1.0	1.01	1.01	1.02	
	NTU	10.0	10.01	10.02	10.03	

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated



Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 4/5/21 | 4/5/21 | 4/6/21 | 4/6/21
 Time: 0840 | 0855 | 0750 | 0808

Parameter	Units	Standard	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 728550 iPad # 110	SmarTROLL SN 728541 iPad # 77
DO	% saturation	100	107.41	99.91	92.85	100.32
Conductivity	us/cm	4490	4512.0	4524.2	4505	4504.3
pH	S.U.	4.00	4.04	4.03	4.04	4.02
pH	S.U.	7.00	7.04/7.07 ^{95%}	7.07	7.03	7.04
pH	S.U.	10.00	10.05	10.07	10.07	10.04
ORP	mV	228.00	224.4	240.6	222.2	221.4

Turbidity	Units	Standard	LaMotte SN 4392-1914	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.0			
	NTU	1.0	1.02			
	NTU	10.0	10.01			

Date:
Time:

Parameter	Units	Standard	SmarTROLL SN 72 iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #	SmarTROLL SN iPad #
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer **Include daily mid-day pH check**
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/01/21
 Time: 0730

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 94	SmarTROLL SN 728566 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.54	99.35		
Conductivity	us/cm	4490	4594.8	454.5		
pH	S.U.	4.00	4.04	4.00		
pH	S.U.	7.00	7.08	7.06		
pH	S.U.	10.00	10.04	10.06		
ORP	mV	228.00	236.1	238.5		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 4/2/21
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN 728541 iPad # 77	SmarTROLL SN 728566 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.02	98.48		
Conductivity	us/cm	4490	4453.3	4433.7		
pH	S.U.	4.00	4.00	4.01		
pH	S.U.	7.00	7.02	7.00		
pH	S.U.	10.00	10.05	10.09		
ORP	mV	228.00	244.9	244.7		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/05/21
 Time: 0845

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.91</u>			
Conductivity	us/cm	4490	<u>4528.1</u>			
pH	S.U.	4.00	<u>4.08</u>			
pH	S.U.	7.00	<u>7.04</u>			
pH	S.U.	10.00	<u>10.07</u>			
ORP	mV	228.00	<u>225.2</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN <u>1438-3911</u>	LaMotte SN	LaMotte SN
	NTU	0.0	0.67 <u>0.03</u>	<u>0.05</u>		
	NTU	1.0	<u>1.03</u>	<u>0.94</u>		
	NTU	10.0	<u>9.97</u>	<u>10.00</u>		

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer *Include daily mid-day pH check*
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 3/30/21
 Time: 0800 3/31 0748 3/31 0815

Parameter	Units	Standard	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN <u>647057</u> iPad # _____	SmarTROLL SN <u>728550</u> iPad # _____
DO	% saturation	100	<u>101.73</u>	<u>100.70</u>	<u>85.91.2</u>	
Conductivity	us/cm	4490	<u>5,810</u>	<u>4529.7</u>	<u>4489</u>	
pH	S.U.	4.00	<u>4.01</u>	<u>4.01</u>	<u>4.17</u>	<u>4.00</u>
pH	S.U.	7.00	<u>7.097.21</u>	<u>6.98</u>	<u>6.98</u>	
pH	S.U.	10.00	<u>10.43</u>	<u>10.00</u>	<u>9.84</u>	
ORP	mV	228.00	<u>233.9</u>	<u>19.39</u>	<u>234.8</u>	

Turbidity	Units	Standard	LaMotte SN <u>1438-3911</u>	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1919</u>	LaMotte SN <u>2289-2612</u>
	NTU	0.0	<u>-0.04</u>	<u>0.02</u>	<u>0.0</u>	<u>0.01</u>
	NTU	1.0	<u>1.45</u>	<u>1.12</u>	<u>0.99</u>	<u>0.32</u>
	NTU	10.0	<u>10.76</u>	<u>14.40</u>	<u>10.62</u>	<u>10.50</u>

Date: _____
 Time: _____ 4/1/21 0741

Parameter	Units	Standard	SmarTROLL SN <u>2289-2612</u> iPad # _____	SmarTROLL SN <u>728541</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100		<u>98.72</u>		
Conductivity	us/cm	4490		<u>4448.1</u>		
pH	S.U.	4.00		<u>4.00</u>		
pH	S.U.	7.00		<u>7.06</u>		
pH	S.U.	10.00		<u>10.06</u>		
ORP	mV	228.00		<u>238.7</u>		

Turbidity	Units	Standard	LaMotte SN <u>2289-2612</u>	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1914</u>	LaMotte SN <u>1438-3911</u>
	NTU	0.0	<u>0.0</u>	<u>-0.12</u>	<u>-0.01</u>	<u>0.05</u>
	NTU	1.0	<u>0.32</u>	<u>0.78</u>	<u>1.06</u>	<u>1.02</u>
	NTU	10.0	<u>11.27</u>	<u>12.9</u>	<u>9.67</u>	<u>8.03</u>

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 3/23/21
 Time: 08:30

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

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Turbidity	Units	Standard	LaMotte SN 1438-91	LaMotte SN 2289-2612	LaMotte SN 710-0711	LaMotte SN 4392-1914
	NTU	0.0	-0.01	0.09	0.01	-0.09
	NTU	1.0	1.01	0.23	0.71	1.24
	NTU	10.0	10.93	10.53	12.45	7.56

Date: 3/23/21
 Time: 11:11

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 94	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.28			
Conductivity	us/cm	4490	4556.6			
pH	S.U.	4.00	4.05			
pH	S.U.	7.00	7.05			
pH	S.U.	10.00	10.07			
ORP	mV	228.00	226.1			

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN 4392-1914	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	0.01	-0.03		
	NTU	1.0	1.00	1.05		
	NTU	10.0	10.01	10.03		

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer **Include daily mid-day pH check**
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 03/30/21
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 110	SmarTROLL SN 728550 iPad # 72	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.49	101.72		
Conductivity	us/cm	4490	4636.9	4344.5		
pH	S.U.	4.00	4.10	4.01		
pH	S.U.	7.00	7.06	7.18		
pH	S.U.	10.00	10.06	10.27		
ORP	mV	228.00	227.7	222.3		

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date: 03/31/21
 Time: 0730

Parameter	Units	Standard	SmarTROLL SN 728623 iPad # 110	SmarTROLL SN 728566 iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.45	93.89		
Conductivity	us/cm	4490	4331.6	4318.8		
pH	S.U.	4.00	4.06	4.01		
pH	S.U.	7.00	7.01	7.03		
pH	S.U.	10.00	10.11	10.06		
ORP	mV	228.00	233.0	223.3		

Turbidity	Units	Standard	LaMotte SN 710-0711	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	-0.9			
	NTU	1.0	0.87			
	NTU	10.0	11.7			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/02/21
 Time: 0745

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<u>99.88</u>			
Conductivity	us/cm	4490	<u>4523.7</u>			
pH	S.U.	4.00	<u>4.04</u>			
pH	S.U.	7.00	<u>7.05</u>			
pH	S.U.	10.00	<u>10.08</u>			
ORP	mV	228.00	<u>241.1</u>			

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<u>0.01</u>			
	NTU	1.0	<u>0.94</u>			
	NTU	10.0	<u>10.0</u>			

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer **Include daily mid-day pH check**
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date: 04/07/21
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN <u>728623</u> iPad # <u>94</u>	SmarTROLL SN <u>725541</u> iPad # <u>77</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490	<u>4511.0</u>	<u>4550.0</u>		
pH	S.U.	4.00	<u>4.04</u>	<u>4.01</u>		
pH	S.U.	7.00	<u>7.02</u>	<u>6.94</u>		
pH	S.U.	10.00	<u>9.97</u>	<u>10.01</u>		
ORP	mV	228.00	<u>225.3</u>	<u>226.3</u>		

Turbidity	Units	Standard	LaMotte SN <u>710-0711</u>	LaMotte SN <u>4392-1914</u>	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	<u>0.07</u>	<u>0.02</u>		
	NTU	1.0	<u>0.90</u>	<u>1.07</u>		
	NTU	10.0	<u>9.95</u>	<u>10.05</u>		

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant Scherer **Include daily mid-day pH check**
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams *K. McKinney*

Instrument Calibration

Date: *4-7-21*
 Time: *1100*

Parameter	Units	Standard	SmarTROLL SN <u>72890</u> iPad # <u>110</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	<i>101.4</i>			
Conductivity	us/cm	4490	<i>3801.6</i>			
pH	S.U.	4.00	<i>4.02</i>			
pH	S.U.	7.00	<i>6.98</i>			
pH	S.U.	10.00	<i>10.07</i>			
ORP	mV	228.00	<i>225.9</i>			

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant Scherer
 Field Staff D. Thomas / A. McClure / J. Quenneville / E. Rheams

Instrument Calibration

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Date:
 Time:

Parameter	Units	Standard	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100				
Conductivity	us/cm	4490				
pH	S.U.	4.00				
pH	S.U.	7.00				
pH	S.U.	10.00				
ORP	mV	228.00				

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nephelometric Turbidity Units; NC - Not calibrated



APPENDIX A

**Well Inspection Form
February 2021**

**WELL INSPECTION FORM
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify) (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
Cell 1	GWC-1	↓	S	S	S	S	S
	GWC-2	↓	S	S	S	S	S
	GWC-3	↓	S	Casing removed due to area construction	Pad removed due to area construction	(c) missing weephole	S
	GWC-4	↓	S	S	S	S	S
	GWC-5	↓	S	S	S	S	S
	GWC-6	↓	S	S	S	S	S
	GWC-7	↓	(b) missing label	S	S	S	S
	GWC-8	↓	S	S	S	S	S
	GWC-9	↓	S	S	S	S	S
	GWC-10	↓	S	S	S	S	S
	GWC-11	↓	S	S	S	S	S
	GWC-12	↓	S	S	S	S	S
	GWC-13	↓	S	S	S	S	S
	GWC-14	↓	S	S	S	S	S
	GWA-15	↑	S	S	S	S	S
	GWA-16	↑	S	S	S	S	S
	GWA-17	↑	S	S	S	S	S
	GWC-18	↓	S	S	S	S	S
	GWC-19	↓	S	(d) observed unlocked	S	(a) missing cap	S
	GWC-20	↓	S	S	S	S	S
PAC Ash	GWA-21	↑	S	S	S	S	S
	GWA-22	↑	S	S	S	S	S
	GWC-29	↓	S	S	S	S	S
	GWA-45	↑	S	S	S	S	S
	GWA-46	↑	S	S	S	S	S

**WELL INSPECTION FORM
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify) (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
PAC Ash	GWA-47	↑	S	S	S	S	S
	GWA-48	↑	S	S	S	S	S
	GWA-49	↑	S	S	S	S	S
	GWC-50	↓	S	S	S	S	S
	GWC-51	↓	S	S	S	S	S
	GWC-52	↓	S	S	S	S	S
	GWC-53	↓	S	S	S	S	S
Cell 3	GWA-39	↑	(b) incorrectly labeled	S	S	S	S
	GWA-40	↑	(b) incorrectly labeled	S	S	S	S
	GWA-41	↑	(b) incorrectly labeled	S	S	S	S
	GWA-42	↑	(b) incorrectly labeled	S	S	S	S
	GWA-43	↑	(b) incorrectly labeled	S	S	S	S
	GWA-44A	↑	(b) incorrectly labeled	S	S	S	S
	GWA-54	↑	S	S	S	S	S
	GWC-30	↓	S	S	S	S	S
	GWC-31	↓	S	S	S	(c) missing weephole	S
	GWC-32	↓	S	S	S	S	S
	GWC-33A	↓	(b) incorrectly labeled	S	S	S	S
	GWC-34	↓	S	S	S	S	S
	GWC-35	↓	S	S	S	S	S
	GWC-36	↓	S	S	S	S	S
	GWC-37	↓	S	S	S	S	S
GWC-38	↓	S	S	S	(c) missing weephole	S	

APPENDIX A

**Well Inspection Form
March 2021**

**WELL INSPECTION FORM
PLANT SCHERER**

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified wth correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundater plan for the facility c. Does not require redevelopment d. Other (please specify) (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
Cell 1	GWC-1	↓	S	S	S	S	S
	GWC-2	↓	S	S	S	S	S
	GWC-3	↓	No ID due to casing removed	Casing removed due to area construction	Pad removed due to area construction	S	S
	GWC-4	↓	S	S	S	S	S
	GWC-5	↓	S	S	S	S	S
	GWC-6	↓	S	S	(d) Leaning barricade	S	S
	GWC-7	↓	S	S	S	S	S
	GWC-8	↓	S	S	S	S	S
	GWC-9	↓	S	S	S	S	S
	GWC-10	↓	S	S	S	S	S
	GWC-11	↓	S	S	S	S	S
	GWC-12	↓	S	S	S	S	S
	GWC-13	↓	S	S	S	S	S
	GWC-14	↓	S	S	S	S	S
	GWA-15	↑	S	S	S	S	S
	GWA-16	↑	S	S	S	S	S
	GWA-17	↑	S	S	S	S	S
	GWC-18	↓	S	S	S	S	S
	GWC-19	↓	S	S	S	S	S
	GWC-20	↓	S	S	(e) mud/debris washout on pad	S	S
PAC Ash	GWA-21	↑	S	S	S	S	S
	GWA-22	↑	S	S	S	S	S
	GWC-29	↓	S	S	S	S	S
	GWA-45	↑	S	S	S	S	S
	GWA-46	↑	S	S	(c) ants on pad	S	S
	GWA-47	↑	S	S	(c) ants on pad	S	S

CCR Unit	WELL-ID	MONITORING WELL POSITION	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
			a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning cap and lock and in good condition (S) for Satisfactory Discrepancies identified below	a. In good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment d. Other (please specify) (S) for Satisfactory Discrepancies identified below
		↑ or ↓					
PAC Ash	GWA-48	↑	S	S	(c) ants on pad	S	S
	GWA-49	↑	S	S	(c) ants on pad	S	S
	GWC-50	↓	S	S	S	S	S
	GWC-51	↓	S	S	S	S	S
	GWC-52	↓	S	S	S	S	S
	GWC-53	↓	S	S	S	S	S
Cell 3	GWA-39	↑	S	S	S	S	S
	GWA-40	↑	S	S	S	S	S
	GWA-41	↑	S	S	S	S	S
	GWA-42	↑	S	S	S	S	S
	GWA-43	↑	S	S	S	S	S
	GWA-44A	↑	S	S	S	S	S
	GWA-54	↑	S	S	S	S	S
	GWC-30	↓	S	S	S	S	S
	GWC-31	↓	S	S	S	S	S
	GWC-32	↓	S	S	S	S	S
	GWC-33A	↓	S	S	S	S	S
	GWC-34	↓	S	S	S	S	S
	GWC-35	↓	S	S	S	S	S
	GWC-36	↓	S	S	S	S	S
GWC-37	↓	S	S	S	S	S	
GWC-38	↓	S	S	S	S	S	

APPENDIX A

**Data Validation Summaries
April-June 2021**

Quality Control Review of Analytical Data- Plant Scherer Cell 1 and PAC Ash Cell Submitted by Eurofins TestAmerica April - June 2021

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Inc. for groundwater samples collected at Plant Scherer CCR Plant Scherer Cell 1 and PAC Ash Cell between April 1, 2021 and June 2, 2021. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and for applicable state and federal monitoring parameters pursuant to the sites 2010 D&O Plan. Test methods included Inductively Coupled Plasma - Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions by Ion Chromatography (USEPA Method 300.0), Total Dissolved Solids (Standard Methods 2540C),

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program (CLP) Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0), US EPA Region IV Data Validation Standard Operating Procedures for CLP Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2.0), and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017). The review included an assessment of the results for completeness, precision (field and laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and blank contamination (including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

DATA QUALITY OBJECTIVES

Laboratory Precision:	Laboratory goals for precision were met.
Field Precision:	Field goals for precision were met.
Accuracy:	Laboratory goals for accuracy were met with the exception of sulfate, as described in the qualification section below.
Sensitivity:	Project goals for detection limits were met. Certain samples were diluted due to elevated concentrations of target analytes. Dilutions do not require qualifications based on USEPA guidelines. Detection and reporting limits of non-detect compounds are elevated proportional to the dilution when undiluted sample results are not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.

Completeness:	There were no rejected analytical results for this event, resulting in a completion of 100%.
Holding Times:	All holding time requirements were met in accordance with specific analytical methods.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of high levels of imprecision or inaccuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the data validation process.

- J** The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- U** The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. Although these qualifications were applied to data from samples collected at the site and reported in sample delivery groups (SDGs), qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- The sulfate result for sample GWC-52 from SDG 180-119476-1 was qualified as estimated, biased low when the MS and/or MSD recovered below laboratory criteria.
- Certain vanadium, boron, thallium, beryllium and lead results in SDGs 180-119476-1, 180-11475-1, and 180-119604-2, were qualified as non-detect (U) when the analyte was detected at a similar level in an associated blank sample. As shown in Table 2, if the original sample results were below the reporting limit (RL), the results were qualified as non-detect (U) and the RLs were reported. If the original sample results were above the RL, the original result was reported and qualified U.

Golder reviewed the data from samples collected at Plant Scherer CCR Cell 1 and PAC Ash between April 1, 2021 and June 2, 2021 in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, 100% of the results were acceptable for project use. The data are considered usable for meeting project objectives and the results are considered valid.

REFERENCE

USEPA, January 2017, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Revision 0.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy*, Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption*, Revision 2.0.

TABLE 1
Sample Summary Table
SCS Plant Scherer

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses				
						Field pH	Total Metals (SW 6020B)	Mercury (EPA 7470A)	Anions (EPA 300.0)	Total Dissolved Solids (SW 2540C)
180-119476-1	GWA-21	4/2/2021	180-119476-1	GW	-	X	X	X	X	X
180-119476-1	GWA-22	4/2/2021	180-119476-2	GW	-	X	X	X	X	X
180-119476-1	GWA-45	4/2/2021	180-119476-3	GW	-	X	X	X	X	X
180-119476-1	GWA-46	4/5/2021	180-119606-1	GW	-	X	X	X	X	X
180-119476-1	GWA-47	4/5/2021	180-119606-2	GW	-	X	X	X	X	X
180-119476-1	GWA-48	4/5/2021	180-119606-3	GW	-	X	X	X	X	X
180-119476-1	GWC-51	4/5/2021	180-119606-4	GW	-	X	X	X	X	X
180-119476-1	GWC-52	4/5/2021	180-119606-5	GW	-	X	X	X	X	X
180-119476-1	DUP-1 (PA)	4/5/2021	180-119606-6	GW	FD (GWC-52)	-	X	X	X	X
180-119476-1	FB-1 (PA)	4/5/2021	180-119606-7	WQ	FB (GWC-51)	-	X	X	X	X
180-119476-1	GWA-49	4/6/2021	180-119766-1	GW	-	X	X	X	X	X
180-119476-1	GWC-29	4/6/2021	180-119766-2	GW	-	X	X	X	X	X
180-119476-1	GWC-50	4/6/2021	180-119766-3	GW	-	X	X	X	X	X
180-119476-1	GWC-53	4/6/2021	180-119766-4	GW	-	X	X	X	X	X
180-119476-1	EB-1 (PA)	4/6/2021	180-119766-5	WQ	EB (GWA-49)	-	X	X	X	X
180-119475-1	GWA-15	4/1/2021	180-119475-1	GW	-	X	X	X	X	X
180-119475-1	GWA-16	4/1/2021	180-119475-2	GW	-	X	X	X	X	X
180-119475-1	GWA-17	4/1/2021	180-119475-3	GW	-	X	X	X	X	X
180-119475-1	GWC-1	4/1/2021	180-119475-4	GW	-	X	X	X	X	X
180-119475-1	GWC-2	4/1/2021	180-119475-5	GW	-	X	X	X	X	X
180-119475-1	GWC-5	4/1/2021	180-119475-6	GW	-	X	X	X	X	X
180-119475-1	GWC-7	4/1/2021	180-119475-7	GW	-	X	X	X	X	X
180-119475-1	GWC-9	4/1/2021	180-119475-9	GW	-	X	X	X	X	X
180-119475-1	GWC-10	4/1/2021	180-119475-10	GW	-	X	X	X	X	X
180-119475-1	GWC-11	4/1/2021	180-119475-11	GW	-	X	X	X	X	X
180-119475-1	GWC-12	4/1/2021	180-119475-12	GW	-	X	X	X	X	X
180-119475-1	GWC-14	4/1/2021	180-119475-13	GW	-	X	X	X	X	X
180-119475-1	GWC-18	4/1/2021	180-119475-14	GW	-	X	X	X	X	X
180-119475-1	EB CELL 1	4/1/2021	180-119475-15	WQ	EB (GWC-11)	-	X	X	X	X
180-119475-1	FB CELL 1	4/1/2021	180-119475-16	WQ	FB (GWC-12)	-	X	X	X	X
180-119475-1	DUP CELL 1	4/1/2021	180-119475-17	GW	FD (GWC-14)	-	X	X	X	X
180-119475-1	GWC-4	4/2/2021	180-119485-1	GW	-	X	X	X	X	X
180-119475-1	GWC-3	4/6/2021	180-119760-1	GW	-	X	X	X	X	X
180-119475-1	GWC-13	4/6/2021	180-119760-2	GW	-	X	X	X	X	X
180-119604-1	GWC-6	4/5/2021	180-119604-1	GW	-	X	X	-	-	-
180-119604-1	GWC-8A	4/5/2021	180-119604-2	GW	-	X	X	-	-	-
180-119604-1	GWC-19	4/5/2021	180-119604-3	GW	-	X	X	-	-	-
180-119604-1	GWC-20	4/5/2021	180-119604-4	GW	-	X	X	-	-	-
240-150691-1	GWC-6	6/2/2021	240-150691-1	GW	-	X	-	X	X	X
240-150691-1	GWC-8A	6/1/2021	240-150691-2	GW	-	X	-	X	X	X
240-150691-1	GWC-19	6/1/2021	240-150691-3	GW	-	X	-	X	X	X
240-150691-1	GWC-20	6/1/2021	240-150691-4	GW	-	X	-	X	X	X

Abbreviations:

- SDG- Sample Delivery Group
- QC - Quality Control
- GW - Groundwater
- WQ - Water quality control
- SW - Solid Waste
- EPA - Environmental Protection Agency
- FB - Field Blank
- EB - Equipment Blank
- FD - Field Duplicate

TABLE 2
Qualifier Summary Table
SCS Plant Scherer

<i>SDG</i>	<i>Sample Name</i>	<i>Constituent</i>	<i>New Result</i>	<i>New RL or MDC</i>	<i>Qualifier</i>	<i>Reason</i>
180-119476-1	GWC-51	Vanadium	0.001	-	U	Method blank detection
180-119476-1	GWC-52	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
180-119475-1	GWC-1	Boron	0.080	-	U	Method blank detection
180-119475-1	GWC-1	Thallium	0.0010	-	U	Method blank detection
180-119475-1	GWC-9	Boron	0.080	-	U	Method blank detection
180-119604-2	GWC-6	Thallium	0.0010	-	U	Method blank detection
180-119604-2	GWC-8A	Beryllium	0.0025	-	U	Method blank detection
180-119604-2	GWC-8A	Lead	0.0010	-	U	Method blank detection
180-119604-2	GWC-8A	Thallium	0.0010	-	U	Method blank detection
180-119604-2	GWC-19	Lead	0.0010	-	U	Method blank detection
180-119604-2	GWC-19	Thallium	0.0010	-	U	Method blank detection
180-119475-1	GWC-11	Vanadium	-	0.11	U	Equipment blank detection

Abbreviations:

RL : Reporting limit

MDC : Minimum detectable concentration

SDG : Sample delivery group

Qualifiers:

U: Non-detect

APPENDIX A

Laboratory Accreditation

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: 04/30/2022

Certificate Number: 018



Annamarie Beach

Annamarie Beach, Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

<u>Method</u>	<u>Revision</u>	<u>Analyte</u>	<u>Accreditation Type</u>	<u>Primary State</u>	<u>Effective Date</u>
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	03/04/2013
EPA 120.1		Conductivity	NELAP	PA	11/15/2011
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	12/05/2013
EPA 160.4		Residue, volatile	NELAP	PA	02/03/2016
EPA 1664	A	Non-polar material	NELAP	PA	08/24/2005
EPA 1664	A	Oil and grease	NELAP	PA	04/07/2005
EPA 1664	B	Non-polar material	NELAP	PA	01/10/2014
EPA 1664	B	Oil and grease	NELAP	PA	01/10/2014
EPA 180.1		Turbidity	NELAP	PA	08/26/2006
EPA 200.7	4.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Antimony	NELAP	PA	04/07/2005
EPA 200.7	4.4	Arsenic	NELAP	PA	04/07/2005
EPA 200.7	4.4	Barium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Boron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Calcium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Chromium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.7	4.4	Copper	NELAP	PA	04/07/2005
EPA 200.7	4.4	Iron	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lead	NELAP	PA	04/07/2005
EPA 200.7	4.4	Lithium	NELAP	PA	09/05/2012
EPA 200.7	4.4	Magnesium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Manganese	NELAP	PA	04/07/2005
EPA 200.7	4.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.7	4.4	Nickel	NELAP	PA	04/07/2005
EPA 200.7	4.4	Potassium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Selenium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Silica, as SiO2	NELAP	PA	08/24/2005
EPA 200.7	4.4	Silver	NELAP	PA	04/07/2005
EPA 200.7	4.4	Sodium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Strontium	NELAP	PA	03/01/2007
EPA 200.7	4.4	Thallium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Tin	NELAP	PA	04/07/2005
EPA 200.7	4.4	Titanium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.7	4.4	Zinc	NELAP	PA	04/07/2005
EPA 200.8	5.4	Aluminum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Antimony	NELAP	PA	04/07/2005

Annemarie Beach

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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 200.8	5.4	Arsenic	NELAP	PA	03/21/2012
EPA 200.8	5.4	Barium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Beryllium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Boron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Cadmium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Calcium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Chromium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Cobalt	NELAP	PA	04/07/2005
EPA 200.8	5.4	Copper	NELAP	PA	11/15/2011
EPA 200.8	5.4	Iron	NELAP	PA	08/24/2005
EPA 200.8	5.4	Lead	NELAP	PA	04/07/2005
EPA 200.8	5.4	Lithium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Magnesium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Manganese	NELAP	PA	01/22/2007
EPA 200.8	5.4	Molybdenum	NELAP	PA	04/07/2005
EPA 200.8	5.4	Nickel	NELAP	PA	04/07/2005
EPA 200.8	5.4	Phosphorus, total	NELAP	PA	04/19/2018
EPA 200.8	5.4	Potassium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Selenium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Silica, as SiO ₂	NELAP	PA	04/18/2006
EPA 200.8	5.4	Silver	NELAP	PA	04/07/2005
EPA 200.8	5.4	Sodium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Strontium	NELAP	PA	03/01/2007
EPA 200.8	5.4	Thallium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Thorium	NELAP	PA	03/24/2017
EPA 200.8	5.4	Tin	NELAP	PA	08/24/2005
EPA 200.8	5.4	Titanium	NELAP	PA	08/24/2005
EPA 200.8	5.4	Uranium (mass)	NELAP	PA	03/24/2017
EPA 200.8	5.4	Vanadium	NELAP	PA	04/07/2005
EPA 200.8	5.4	Zinc	NELAP	PA	04/07/2005
EPA 245.1	3.0	Mercury	NELAP	PA	04/07/2005
EPA 300.0	2.1	Bromide	NELAP	PA	08/24/2005
EPA 300.0	2.1	Chloride	NELAP	PA	04/07/2005
EPA 300.0	2.1	Fluoride	NELAP	PA	08/24/2005
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/07/2005
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/07/2005
EPA 300.0	2.1	Sulfate	NELAP	PA	04/07/2005
EPA 3005	A	Preconcentration under acid	NELAP	PA	08/26/2006
EPA 3010	A	Hot plate acid digestion (HNO ₃ + HCl)	NELAP	PA	08/26/2006
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	08/26/2006
EPA 350.1	2.0	Ammonia as N	NELAP	PA	07/11/2016

Ammerie Beach

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TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	08/26/2006
EPA 353.2		Total nitrate-nitrite	NELAP	PA	08/26/2006
EPA 3620	B	Florisil cleanup	NELAP	PA	08/26/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	03/16/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	08/26/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	08/26/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	12/30/2019
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	10/13/2020
EPA 420.1		Total phenolics	NELAP	PA	04/08/2008
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5030	C	Aqueous-phase purge-and-trap	NELAP	PA	12/05/2013
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	03/16/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Antimony	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Arsenic	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Barium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Beryllium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Boron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cadmium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Calcium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Chromium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Cobalt	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Copper	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Iron	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lead	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Lithium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Magnesium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Manganese	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Molybdenum	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Nickel	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Potassium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Selenium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Sodium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Strontium	NELAP	PA	08/26/2006

Annmarie Beach

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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6010	B, C, D	Thallium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Tin	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Titanium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Vanadium	NELAP	PA	08/26/2006
EPA 6010	B, C, D	Zinc	NELAP	PA	08/26/2006
EPA 6020	A	Metals by ICP/MS	NELAP	PA	03/16/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	08/26/2006
EPA 6020	A, B	Antimony	NELAP	PA	08/26/2006
EPA 6020	A, B	Arsenic	NELAP	PA	03/21/2012
EPA 6020	A, B	Barium	NELAP	PA	08/26/2006
EPA 6020	A, B	Beryllium	NELAP	PA	08/26/2006
EPA 6020	A, B	Boron	NELAP	PA	08/26/2006
EPA 6020	A, B	Cadmium	NELAP	PA	08/26/2006
EPA 6020	A, B	Calcium	NELAP	PA	08/26/2006
EPA 6020	A, B	Chromium	NELAP	PA	08/26/2006
EPA 6020	A, B	Cobalt	NELAP	PA	08/26/2006
EPA 6020	A, B	Copper	NELAP	PA	11/15/2011
EPA 6020	A, B	Iron	NELAP	PA	08/26/2006
EPA 6020	A, B	Lead	NELAP	PA	08/26/2006
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/26/2006
EPA 6020	A, B	Manganese	NELAP	PA	01/22/2007
EPA 6020	A, B	Molybdenum	NELAP	PA	08/26/2006
EPA 6020	A, B	Nickel	NELAP	PA	08/26/2006
EPA 6020	A, B	Phosphorus, total	NELAP	PA	04/19/2018
EPA 6020	A, B	Potassium	NELAP	PA	08/26/2006
EPA 6020	A, B	Selenium	NELAP	PA	08/26/2006
EPA 6020	A, B	Silica, as SiO2	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	08/26/2006
EPA 6020	A, B	Sodium	NELAP	PA	08/26/2006
EPA 6020	A, B	Strontium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thallium	NELAP	PA	08/26/2006
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/26/2006
EPA 6020	A, B	Titanium	NELAP	PA	08/26/2006
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	08/26/2006
EPA 6020	A, B	Zinc	NELAP	PA	08/26/2006
EPA 608		4,4'-DDD	NELAP	PA	04/07/2005

Ammerie Black

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 608		4,4'-DDE	NELAP	PA	04/07/2005
EPA 608		4,4'-DDT	NELAP	PA	04/07/2005
EPA 608		Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1016 (PCB-1016)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1221 (PCB-1221)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1232 (PCB-1232)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1242 (PCB-1242)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1248 (PCB-1248)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1254 (PCB-1254)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1260 (PCB-1260)	NELAP	PA	04/07/2005
EPA 608		Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2009
EPA 608		Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2009
EPA 608		Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 608		Dieldrin	NELAP	PA	04/07/2005
EPA 608		Endosulfan I	NELAP	PA	04/07/2005
EPA 608		Endosulfan II	NELAP	PA	04/07/2005
EPA 608		Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 608		Endrin	NELAP	PA	04/07/2005
EPA 608		Endrin aldehyde	NELAP	PA	11/07/2006
EPA 608		Endrin ketone	NELAP	PA	03/01/2007
EPA 608		Heptachlor	NELAP	PA	04/07/2005
EPA 608		Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 608		Methoxychlor	NELAP	PA	04/18/2006
EPA 608		Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 608		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		alpha-Chlordane	NELAP	PA	04/18/2006
EPA 608		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 608		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 608		gamma-Chlordane	NELAP	PA	04/18/2006
EPA 608.3		4,4'-DDD	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDE	NELAP	PA	04/19/2018
EPA 608.3		4,4'-DDT	NELAP	PA	04/19/2018
EPA 608.3		Aldrin (HHDN)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1016 (PCB-1016)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1221 (PCB-1221)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1232 (PCB-1232)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1242 (PCB-1242)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1248 (PCB-1248)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1254 (PCB-1254)	NELAP	PA	04/19/2018
EPA 608.3		Aroclor-1260 (PCB-1260)	NELAP	PA	04/19/2018

Ann Marie Beach

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Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 608.3		Chlordane (tech.)	NELAP	PA	12/30/2019
EPA 608.3		Dieldrin	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan I	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan II	NELAP	PA	04/19/2018
EPA 608.3		Endosulfan sulfate	NELAP	PA	04/19/2018
EPA 608.3		Endrin	NELAP	PA	04/19/2018
EPA 608.3		Endrin aldehyde	NELAP	PA	04/19/2018
EPA 608.3		Endrin ketone	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor	NELAP	PA	04/19/2018
EPA 608.3		Heptachlor epoxide	NELAP	PA	04/19/2018
EPA 608.3		Methoxychlor	NELAP	PA	04/19/2018
EPA 608.3		Toxaphene (Chlorinated camphene)	NELAP	PA	04/19/2018
EPA 608.3		alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		alpha-Chlordane	NELAP	PA	04/19/2018
EPA 608.3		beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/19/2018
EPA 608.3		gamma-Chlordane	NELAP	PA	04/19/2018
EPA 624		1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 624		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/08/2009
EPA 624		1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 624		1,1-Dichloropropene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/08/2009
EPA 624		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/08/2009
EPA 624		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 624		1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 624		1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 624		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,3-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009

AnnMarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624		2,2-Dichloropropane	NELAP	PA	04/08/2009
EPA 624		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	03/01/2007
EPA 624		2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 624		2-Hexanone	NELAP	PA	04/08/2008
EPA 624		4-Chlorotoluene	NELAP	PA	04/08/2009
EPA 624		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/08/2008
EPA 624		Acetone	NELAP	PA	04/08/2008
EPA 624		Acetonitrile	NELAP	PA	04/08/2009
EPA 624		Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 624		Acrylonitrile	NELAP	PA	04/07/2005
EPA 624		Benzene	NELAP	PA	04/07/2005
EPA 624		Bromobenzene	NELAP	PA	04/08/2009
EPA 624		Bromochloromethane	NELAP	PA	03/01/2007
EPA 624		Bromodichloromethane	NELAP	PA	04/07/2005
EPA 624		Bromoform	NELAP	PA	04/07/2005
EPA 624		Carbon disulfide	NELAP	PA	04/08/2009
EPA 624		Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 624		Chlorobenzene	NELAP	PA	04/07/2005
EPA 624		Chloroethane	NELAP	PA	04/07/2005
EPA 624		Chloroform	NELAP	PA	04/07/2005
EPA 624		Cyclohexane	NELAP	PA	04/08/2009
EPA 624		Dibromochloromethane	NELAP	PA	04/07/2005
EPA 624		Dibromomethane	NELAP	PA	04/08/2009
EPA 624		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/08/2009
EPA 624		Ethyl methacrylate	NELAP	PA	04/08/2009
EPA 624		Ethylbenzene	NELAP	PA	04/07/2005
EPA 624		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/08/2009
EPA 624		Iodomethane (Methyl iodide)	NELAP	PA	04/08/2009
EPA 624		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/08/2009
EPA 624		Isopropylbenzene (Cumene)	NELAP	PA	04/08/2009
EPA 624		Methacrylonitrile	NELAP	PA	04/08/2009
EPA 624		Methyl acetate	NELAP	PA	04/08/2009
EPA 624		Methyl bromide (Bromomethane)	NELAP	PA	11/07/2006
EPA 624		Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 624		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/08/2008
EPA 624		Methylcyclohexane	NELAP	PA	04/08/2009
EPA 624		Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 624		Methylmethacrylate	NELAP	PA	04/08/2009
EPA 624		Naphthalene	NELAP	PA	12/22/2020
EPA 624		Propionitrile (Ethyl cyanide)	NELAP	PA	04/08/2009
EPA 624		Styrene	NELAP	PA	04/08/2009
EPA 624		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624		Toluene	NELAP	PA	04/07/2005
EPA 624		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 624		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 624		Vinyl acetate	NELAP	PA	04/08/2009
EPA 624		Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 624		Xylenes, total	NELAP	PA	04/07/2005
EPA 624		cis-1,2-Dichloroethene	NELAP	PA	04/08/2009
EPA 624		cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		m+p-Xylene	NELAP	PA	08/24/2005
EPA 624		n-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		n-Hexane	NELAP	PA	04/20/2011
EPA 624		n-Propylbenzene	NELAP	PA	04/08/2009
EPA 624		o-Xylene	NELAP	PA	08/24/2005
EPA 624		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/08/2009
EPA 624		sec-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2009
EPA 624		tert-Butylbenzene	NELAP	PA	04/08/2009
EPA 624		trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 624		trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 624		trans-1,4-Dichloro-2-butene	NELAP	PA	04/08/2009
EPA 624.1		1,1,1,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,1-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2,2-Tetrachloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/19/2018
EPA 624.1		1,1,2-Trichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		1,1-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,2-Dichloroethane	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloroethene (total)	NELAP	PA	04/19/2018
EPA 624.1		1,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,3-Dichloropropane	NELAP	PA	04/19/2018

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 624.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 624.1		2,2-Dichloropropane	NELAP	PA	04/19/2018
EPA 624.1		2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/19/2018
EPA 624.1		2-Chloroethyl vinyl ether	NELAP	PA	04/19/2018
EPA 624.1		2-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		2-Hexanone	NELAP	PA	04/19/2018
EPA 624.1		4-Chlorotoluene	NELAP	PA	04/19/2018
EPA 624.1		4-Methyl-2-pentanone (MIBK)	NELAP	PA	04/19/2018
EPA 624.1		Acetone	NELAP	PA	04/19/2018
EPA 624.1		Acrolein (Propenal)	NELAP	PA	04/19/2018
EPA 624.1		Acrylonitrile	NELAP	PA	04/19/2018
EPA 624.1		Allyl chloride (3-Chloropropene)	NELAP	PA	04/19/2018
EPA 624.1		Benzene	NELAP	PA	04/19/2018
EPA 624.1		Bromobenzene	NELAP	PA	04/19/2018
EPA 624.1		Bromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromodichloromethane	NELAP	PA	04/19/2018
EPA 624.1		Bromoform	NELAP	PA	04/19/2018
EPA 624.1		Carbon disulfide	NELAP	PA	04/19/2018
EPA 624.1		Carbon tetrachloride	NELAP	PA	04/19/2018
EPA 624.1		Chlorobenzene	NELAP	PA	04/19/2018
EPA 624.1		Chloroethane	NELAP	PA	04/19/2018
EPA 624.1		Chloroform	NELAP	PA	04/19/2018
EPA 624.1		Cyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Dibromochloromethane	NELAP	PA	04/19/2018
EPA 624.1		Dibromomethane	NELAP	PA	04/19/2018
EPA 624.1		Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/19/2018
EPA 624.1		Dichlorofluoromethane (Freon 21)	NELAP	PA	04/19/2018
EPA 624.1		Diethyl ether (Ethyl ether)	NELAP	PA	04/19/2018
EPA 624.1		Ethyl methacrylate	NELAP	PA	04/19/2018
EPA 624.1		Ethylbenzene	NELAP	PA	04/19/2018
EPA 624.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 624.1		Iodomethane (Methyl iodide)	NELAP	PA	04/19/2018
EPA 624.1		Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	04/19/2018
EPA 624.1		Isopropylbenzene (Cumene)	NELAP	PA	04/19/2018
EPA 624.1		Methyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Methyl bromide (Bromomethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl chloride (Chloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Methyl tert-butyl ether (MTBE)	NELAP	PA	04/19/2018
EPA 624.1		Methylcyclohexane	NELAP	PA	04/19/2018
EPA 624.1		Methylene chloride (Dichloromethane)	NELAP	PA	04/19/2018
EPA 624.1		Naphthalene	NELAP	PA	12/22/2020

Amberie Besch

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 624.1		Styrene	NELAP	PA	04/19/2018
EPA 624.1		Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Tetrahydrofuran (THF)	NELAP	PA	04/19/2018
EPA 624.1		Toluene	NELAP	PA	04/19/2018
EPA 624.1		Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/19/2018
EPA 624.1		Trichlorofluoromethane (Freon 11)	NELAP	PA	04/19/2018
EPA 624.1		Vinyl acetate	NELAP	PA	04/19/2018
EPA 624.1		Vinyl chloride (Chloroethene)	NELAP	PA	04/19/2018
EPA 624.1		Xylenes, total	NELAP	PA	04/19/2018
EPA 624.1		cis-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		cis-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		m+p-Xylene	NELAP	PA	04/19/2018
EPA 624.1		n-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		n-Hexane	NELAP	PA	04/19/2018
EPA 624.1		n-Propylbenzene	NELAP	PA	04/19/2018
EPA 624.1		o-Xylene	NELAP	PA	04/19/2018
EPA 624.1		p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	04/19/2018
EPA 624.1		sec-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/19/2018
EPA 624.1		tert-Butylbenzene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,2-Dichloroethene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,3-Dichloropropene	NELAP	PA	04/19/2018
EPA 624.1		trans-1,4-Dichloro-2-butene	NELAP	PA	04/19/2018
EPA 625		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/08/2009
EPA 625		1,2,3,4-Tetrahydronaphthalene	NELAP	PA	04/08/2009
EPA 625		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/08/2009
EPA 625		1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 625		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,2-Diphenylhydrazine	NELAP	PA	04/08/2009
EPA 625		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/08/2009
EPA 625		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 625		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/08/2009
EPA 625		1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 625		2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/08/2009
EPA 625		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 625		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3,5,6-Tetrachlorophenol	NELAP	PA	04/08/2009
EPA 625		2,3-Dichloroaniline	NELAP	PA	04/08/2009
EPA 625		2,4,5-Trichlorophenol	NELAP	PA	08/24/2005
EPA 625		2,4,6-Trichlorophenol	NELAP	PA	04/07/2005

Ammarie Beach

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301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 625		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 625		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/08/2009
EPA 625		2-Bromonaphthalene	NELAP	PA	04/08/2009
EPA 625		2-Chloronaphthalene	NELAP	PA	04/07/2005
EPA 625		2-Chlorophenol	NELAP	PA	04/07/2005
EPA 625		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 625		2-Methylnaphthalene	NELAP	PA	08/24/2005
EPA 625		2-Methylphenol (o-Cresol)	NELAP	PA	04/18/2006
EPA 625		2-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		2-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	03/01/2007
EPA 625		3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 625		3-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		3-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/08/2009
EPA 625		4-Bromophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 625		4-Chloroaniline	NELAP	PA	04/08/2009
EPA 625		4-Chlorophenyl phenyl ether	NELAP	PA	04/07/2005
EPA 625		4-Nitroaniline	NELAP	PA	04/18/2006
EPA 625		4-Nitrophenol	NELAP	PA	04/07/2005
EPA 625		6-Methylchrysene	NELAP	PA	04/08/2009
EPA 625		Acenaphthene	NELAP	PA	04/07/2005
EPA 625		Acenaphthylene	NELAP	PA	10/27/2010
EPA 625		Acetophenone	NELAP	PA	08/24/2005
EPA 625		Acrylamide	NELAP	PA	11/21/2018
EPA 625		Aniline	NELAP	PA	08/24/2005
EPA 625		Anthracene	NELAP	PA	04/07/2005
EPA 625		Aramite	NELAP	PA	04/08/2009
EPA 625		Atrazine	NELAP	PA	04/08/2009
EPA 625		Benzaldehyde	NELAP	PA	04/08/2009
EPA 625		Benzidine	NELAP	PA	04/07/2005
EPA 625		Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 625		Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 625		Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 625		Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 625		Benzoic acid	NELAP	PA	04/08/2009

Annmarie Beach

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Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		Benzotrichloride	NELAP	PA	04/08/2009
EPA 625		Benzyl alcohol	NELAP	PA	04/08/2009
EPA 625		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 625		Caprolactam	NELAP	PA	04/08/2009
EPA 625		Carbaryl (Sevin)	NELAP	PA	04/08/2009
EPA 625		Carbazole	NELAP	PA	04/08/2009
EPA 625		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 625		Cresols (total)	NELAP	PA	04/18/2006
EPA 625		Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 625		Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 625		Diallate (cis or trans)	NELAP	PA	04/08/2009
EPA 625		Dibenz[a,h]acridine	NELAP	PA	04/08/2009
EPA 625		Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 625		Dibenzofuran	NELAP	PA	04/08/2009
EPA 625		Diethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Dimethoate	NELAP	PA	04/08/2009
EPA 625		Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 625		Fluoranthene	NELAP	PA	04/07/2005
EPA 625		Fluorene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 625		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 625		Hexachlorocyclopentadiene	NELAP	PA	04/07/2005
EPA 625		Hexachloroethane	NELAP	PA	04/07/2005
EPA 625		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 625		Isodrin	NELAP	PA	04/08/2009
EPA 625		Isophorone	NELAP	PA	04/07/2005
EPA 625		Kepon	NELAP	PA	04/08/2009
EPA 625		Methyl parathion (Parathion, methyl)	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiethylamine	NELAP	PA	04/08/2009
EPA 625		N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 625		N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 625		Naphthalene	NELAP	PA	04/07/2005
EPA 625		Nitrobenzene	NELAP	PA	04/07/2005
EPA 625		Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/08/2009
EPA 625		Pentachlorobenzene	NELAP	PA	04/08/2009
EPA 625		Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 625		Phenanthrene	NELAP	PA	04/07/2005
EPA 625		Phenol	NELAP	PA	04/07/2005
EPA 625		Pyrene	NELAP	PA	04/07/2005
EPA 625		Pyridine	NELAP	PA	04/08/2009
EPA 625		bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005

Charmaine Beach

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Eurofins TestAmerica Laboratories Pittsburgh
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Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625		bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 625		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 625		n-Octadecane	NELAP	PA	04/08/2009
EPA 625		o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/08/2009
EPA 625.1		1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/19/2018
EPA 625.1		1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2,4-Trichlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,2-Diphenylhydrazine	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/19/2018
EPA 625.1		1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/19/2018
EPA 625.1		1-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/19/2018
EPA 625.1		2,3,4,6-Tetrachlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,5-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4,6-Trichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dimethylphenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrophenol	NELAP	PA	04/19/2018
EPA 625.1		2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dichlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/19/2018
EPA 625.1		2-Chloronaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Chlorophenol	NELAP	PA	04/19/2018
EPA 625.1		2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/19/2018
EPA 625.1		2-Methylnaphthalene	NELAP	PA	04/19/2018
EPA 625.1		2-Methylphenol (o-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		2-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		2-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/19/2018
EPA 625.1		3,3'-Dichlorobenzidine	NELAP	PA	04/19/2018
EPA 625.1		3-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Bromophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Chloro-3-methylphenol	NELAP	PA	04/19/2018
EPA 625.1		4-Chloroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Chlorophenyl phenyl ether	NELAP	PA	04/19/2018
EPA 625.1		4-Nitroaniline	NELAP	PA	04/19/2018
EPA 625.1		4-Nitrophenol	NELAP	PA	04/19/2018
EPA 625.1		Acenaphthene	NELAP	PA	04/19/2018

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Acenaphthylene	NELAP	PA	04/19/2018
EPA 625.1		Acetophenone	NELAP	PA	04/19/2018
EPA 625.1		Acrylamide	NELAP	PA	11/21/2018
EPA 625.1		Aniline	NELAP	PA	04/19/2018
EPA 625.1		Anthracene	NELAP	PA	04/19/2018
EPA 625.1		Atrazine	NELAP	PA	04/19/2018
EPA 625.1		Benzaldehyde	NELAP	PA	04/19/2018
EPA 625.1		Benzidine	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[a]pyrene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[b]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[ghi]perylene	NELAP	PA	04/19/2018
EPA 625.1		Benzo[k]fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Benzoic acid	NELAP	PA	04/19/2018
EPA 625.1		Benzyl alcohol	NELAP	PA	04/19/2018
EPA 625.1		Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/19/2018
EPA 625.1		Caprolactam	NELAP	PA	04/19/2018
EPA 625.1		Carbazole	NELAP	PA	04/19/2018
EPA 625.1		Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/19/2018
EPA 625.1		Cresols (total)	NELAP	PA	04/19/2018
EPA 625.1		Di-n-butyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Di-n-octyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dibenzo[a,h]anthracene	NELAP	PA	04/19/2018
EPA 625.1		Dibenzofuran	NELAP	PA	04/19/2018
EPA 625.1		Diethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Dimethyl phthalate	NELAP	PA	04/19/2018
EPA 625.1		Fluoranthene	NELAP	PA	04/19/2018
EPA 625.1		Fluorene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobenzene	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/19/2018
EPA 625.1		Hexachlorocyclopentadiene	NELAP	PA	04/19/2018
EPA 625.1		Hexachloroethane	NELAP	PA	04/19/2018
EPA 625.1		Indeno(1,2,3-cd)pyrene	NELAP	PA	04/19/2018
EPA 625.1		Isophorone	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodi-n-propylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodimethylamine	NELAP	PA	04/19/2018
EPA 625.1		N-Nitrosodiphenylamine	NELAP	PA	04/19/2018
EPA 625.1		Naphthalene	NELAP	PA	04/19/2018
EPA 625.1		Nitrobenzene	NELAP	PA	04/19/2018
EPA 625.1		Pentachlorophenol (PCP)	NELAP	PA	04/19/2018
EPA 625.1		Phenanthrene	NELAP	PA	04/19/2018
EPA 625.1		Phenol	NELAP	PA	04/19/2018

Ammerie Beach

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 625.1		Pyrene	NELAP	PA	04/19/2018
EPA 625.1		Pyridine	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethoxy)methane	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Chloroethyl) ether	NELAP	PA	04/19/2018
EPA 625.1		bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/19/2018
EPA 625.1		n-Decane	NELAP	PA	04/19/2018
EPA 625.1		n-Hexadecane	NELAP	PA	04/19/2018
EPA 625.1		n-Octadecane	NELAP	PA	04/19/2018
EPA 7196	A	Chromium VI	NELAP	PA	08/26/2006
EPA 7470	A	Mercury	NELAP	PA	08/26/2006
EPA 8011		1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8011		1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/18/2006
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDE	NELAP	PA	08/26/2006
EPA 8081	A, B	4,4'-DDT	NELAP	PA	08/26/2006
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	08/26/2006
EPA 8081	A, B	Chlorbenseide	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Diallate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan I	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan II	NELAP	PA	08/26/2006
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	11/07/2006
EPA 8081	A, B	Endrin ketone	NELAP	PA	01/06/2006
EPA 8081	A, B	Heptachlor	NELAP	PA	08/26/2006
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	08/26/2006
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/20/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/26/2006
EPA 8081	A, B	Methoxychlor	NELAP	PA	01/06/2006
EPA 8081	A, B	Mirex	NELAP	PA	08/26/2006
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/08/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	08/26/2006
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	08/26/2006

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8081	A, B	alpha-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	11/04/2016
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	08/26/2006
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	01/06/2006
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/08/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4',5'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	09/06/2012
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	08/26/2006

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	08/26/2006
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A, B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/26/2006
EPA 8141	A, B	Coumaphos	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton	NELAP	PA	04/08/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	08/26/2006
EPA 8141	A, B	Demeton-S	NELAP	PA	08/26/2006
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dichlorvos (DDVP, Dichlorvos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Dimethoate	NELAP	PA	08/26/2006
EPA 8141	A, B	Disulfoton	NELAP	PA	08/26/2006
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Famphur	NELAP	PA	08/26/2006
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/26/2006
EPA 8141	A, B	Fenthion	NELAP	PA	08/26/2006
EPA 8141	A, B	Malathion	NELAP	PA	08/26/2006
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	08/26/2006
EPA 8141	A, B	Mevinphos	NELAP	PA	08/26/2006
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	03/01/2007
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/26/2006
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8141	A, B	Ronnel	NELAP	PA	08/26/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	08/26/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	08/26/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	08/26/2006
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	08/26/2006
EPA 8151	A	2,4-D	NELAP	PA	08/26/2006

AnnMarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	08/26/2006
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/26/2006
EPA 8151	A	Dicamba	NELAP	PA	08/26/2006
EPA 8151	A	Dichloroprop (Dichloroprop)	NELAP	PA	08/26/2006
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8151	A	MCPA	NELAP	PA	08/26/2006
EPA 8151	A	MCPPP (Mecoprop)	NELAP	PA	08/26/2006
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/08/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	11/21/2018
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	01/06/2006

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Eurofins TestAmerica Laboratories Pittsburgh
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Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Acetonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromoform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroform	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	04/08/2009
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl acrylate	NELAP	PA	12/05/2007
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	04/18/2006

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Naphthalene	NELAP	PA	12/22/2020
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Styrene	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	01/06/2006
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	03/30/2006
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	m-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/24/2005
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	08/26/2006
EPA 8270	C, D	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Dinitrobenzene (1,2-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007

Annmarie Beach

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	01/06/2006
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	01/06/2006
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chlorophenyl phenyl ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/18/2006
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	08/26/2006

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Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	10/27/2010
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acrylamide	NELAP	PA	11/21/2018
EPA 8270	C, D, E	Aniline	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aramite	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	11/15/2011
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	01/06/2006
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluorene	NELAP	PA	08/26/2006

Amman's Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Indene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Naphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Pyrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotep (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinophos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	08/26/2006

Ammersee Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/08/2009
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/08/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/08/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	10/25/2018
EPA 9034		Sulfide	NELAP	PA	10/25/2018
EPA 9040	B	pH	NELAP	PA	04/18/2006
EPA 9040	C	pH	NELAP	PA	08/26/2006
EPA 9050	A	Conductivity	NELAP	PA	03/16/2009
EPA 9056	A	Anions by IC	NELAP	PA	03/16/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	08/26/2006
EPA 9056	A	Fluoride	NELAP	PA	08/26/2006
EPA 9056	A	Nitrate as N	NELAP	PA	08/26/2006
EPA 9056	A	Nitrite as N	NELAP	PA	08/26/2006
EPA 9056	A	Orthophosphate as P	NELAP	PA	08/26/2006
EPA 9056	A	Sulfate	NELAP	PA	08/26/2006
EPA 9060	A	Total organic carbon (TOC)	NELAP	PA	04/22/2010
EPA 9065		Total phenolics	NELAP	PA	04/08/2008
EPA 9070	A	Non-polar material	NELAP	PA	12/30/2019
EPA 9070	A	Oil and grease	NELAP	PA	04/04/2007
OIA 1677-09		Available cyanide	NELAP	PA	08/24/2005
OIA 1677-09		Free cyanide	NELAP	PA	04/19/2018
SM 2120 B		Color	NELAP	PA	04/10/2007
SM 2310 B		Acidity as CaCO3	NELAP	PA	11/21/2018
SM 2320 B		Alkalinity as CaCO3	NELAP	PA	01/22/2007
SM 2340 C		Total hardness as CaCO3	NELAP	PA	01/22/2007
SM 2510 B		Conductivity	NELAP	PA	04/21/2010
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/10/2007
SM 2540 C		Residue, filterable (TDS)	NELAP	PA	10/13/2010
SM 2540 D		Residue, nonfilterable (TSS)	NELAP	PA	04/10/2007
SM 2540 E		Fixed suspended solids	NELAP	PA	04/13/2009
SM 2540 E		Residue, volatile	NELAP	PA	02/03/2016
SM 2540 E		Volatile suspended solids	NELAP	PA	04/13/2009
SM 2540 F		Residue, settleable	NELAP	PA	04/10/2007
SM 2580 B		Oxidation-reduction potential	NELAP	PA	05/04/2009
SM 3500-Cr B	20-22	Chromium VI	NELAP	PA	08/24/2005

Annmarie Black

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
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(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
SM 4500-CN- C/E		Cyanide	NELAP	PA	12/14/2012
SM 4500-Cl G		Total residual chlorine	NELAP	PA	04/08/2008
SM 4500-H+ B		pH	NELAP	PA	04/10/2007
SM 4500-Norg D		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
SM 4500-O G		Oxygen (dissolved)	NELAP	PA	03/16/2009
SM 4500-S2- F		Sulfide	NELAP	PA	10/25/2018
SM 5210 B		Biochemical oxygen demand (BOD)	NELAP	PA	06/24/2008
SM 5210 B		Carbonaceous BOD (CBOD)	NELAP	PA	08/26/2006
SM 5310 C		Dissolved organic carbon (DOC)	NELAP	PA	07/12/2010
SM 5310 C		Total organic carbon (TOC)	NELAP	PA	07/12/2010
SM 5540 C		Surfactants as MBAS	NELAP	PA	10/24/2012

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
ASTM D3987-85		Shake extraction of solid waste with water	NELAP	PA	12/05/2007
ASTM D5057-90		Apparent specific gravity	NELAP	PA	09/27/2010
ASTM D5057-90		Bulk density	NELAP	PA	09/27/2010
EPA 1010	A	Ignitability	NELAP	PA	04/09/2009
EPA 1020	B	Ignitability	NELAP	PA	04/09/2009
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	04/07/2005
EPA 1312		Synthetic precipitation leaching procedure (SPLP)	NELAP	PA	04/18/2006
EPA 300.0	2.1	Bromide	NELAP	PA	04/20/2011
EPA 300.0	2.1	Chloride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Fluoride	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrate as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Nitrite as N	NELAP	PA	04/20/2011
EPA 300.0	2.1	Orthophosphate as P	NELAP	PA	04/20/2011
EPA 300.0	2.1	Sulfate	NELAP	PA	04/20/2011
EPA 3005	A	Preconcentration under acid	NELAP	PA	04/07/2005
EPA 3010	A	Hot plate acid digestion (HNO ₃ + HCl)	NELAP	PA	04/07/2005
EPA 3050	B	Acid digestion of solids	NELAP	PA	04/07/2005
EPA 3060	A	Alkaline digestion of Cr(VI)	NELAP	PA	04/07/2005
EPA 350.1	2.0	Ammonia as N	NELAP	PA	08/26/2006
EPA 351.2		Kjeldahl nitrogen, total (TKN)	NELAP	PA	07/22/2020
EPA 3510	C	Separatory funnel liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 3520	C	Continuous liquid-liquid extraction	NELAP	PA	04/07/2005
EPA 353.2		Total nitrate-nitrite	NELAP	PA	04/20/2011
EPA 3541		Automated soxhlet extraction	NELAP	PA	04/07/2005
EPA 3580	A	Waste dilution	NELAP	PA	04/07/2005
EPA 3585		Waste dilution for VOCs	NELAP	PA	04/07/2005

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301 Alpha Drive
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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 3620	B	Florisil cleanup	NELAP	PA	04/18/2006
EPA 3620	C	Florisil cleanup	NELAP	PA	04/09/2009
EPA 3640	A	Gel permeation cleanup (GPC)	NELAP	PA	04/18/2006
EPA 365.4		Phosphorus, total	NELAP	PA	07/22/2020
EPA 3660	B	Sulfur cleanup	NELAP	PA	04/18/2006
EPA 3665	A	Sulfuric acid/permanganate clean-up	NELAP	PA	04/18/2006
EPA 410.4	2.0	Chemical oxygen demand (COD)	NELAP	PA	08/26/2006
EPA 5030	B	Aqueous-phase purge-and-trap	NELAP	PA	03/04/2013
EPA 5035	A	Closed-system purge-and-trap (freezing option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (methanol option)	NELAP	PA	06/15/2012
EPA 5035	A	Closed-system purge-and-trap (unpreserved)	NELAP	PA	06/15/2012
EPA 5035		Closed-system purge-and-trap (bisulfate option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (methanol option)	NELAP	PA	04/07/2005
EPA 5035		Closed-system purge-and-trap (unpreserved)	NELAP	PA	08/24/2005
EPA 6010	B	Metals by ICP/AES	NELAP	PA	04/08/2009
EPA 6010	C	Metals by ICP/AES	NELAP	PA	04/09/2009
EPA 6010	D	Metals by ICP/AES	NELAP	PA	06/05/2019
EPA 6010	B, C, D	Aluminum	NELAP	PA	08/24/2005
EPA 6010	B, C, D	Antimony	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Arsenic	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Barium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Beryllium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Boron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cadmium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Calcium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Chromium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Cobalt	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Copper	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Iron	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lead	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Lithium	NELAP	PA	04/22/2010
EPA 6010	B, C, D	Magnesium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Manganese	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Molybdenum	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Nickel	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Potassium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Selenium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silica, as SiO ₂	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Silicon	NELAP	PA	06/03/2010
EPA 6010	B, C, D	Silver	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Sodium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Strontium	NELAP	PA	04/07/2005

Ammeria Beach

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 6010	B, C, D	Thallium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Tin	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Titanium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Vanadium	NELAP	PA	04/07/2005
EPA 6010	B, C, D	Zinc	NELAP	PA	04/07/2005
EPA 6020	A	Metals by ICP/MS	NELAP	PA	04/09/2009
EPA 6020	B	Metals by ICP/MS	NELAP	PA	06/05/2019
EPA 6020		Metals by ICP/MS	NELAP	PA	07/26/2019
EPA 6020	A, B	Aluminum	NELAP	PA	04/07/2005
EPA 6020	A, B	Antimony	NELAP	PA	04/07/2005
EPA 6020	A, B	Arsenic	NELAP	PA	04/07/2005
EPA 6020	A, B	Barium	NELAP	PA	04/07/2005
EPA 6020	A, B	Beryllium	NELAP	PA	04/07/2005
EPA 6020	A, B	Boron	NELAP	PA	08/24/2005
EPA 6020	A, B	Cadmium	NELAP	PA	04/07/2005
EPA 6020	A, B	Calcium	NELAP	PA	08/24/2005
EPA 6020	A, B	Chromium	NELAP	PA	04/07/2005
EPA 6020	A, B	Cobalt	NELAP	PA	04/07/2005
EPA 6020	A, B	Copper	NELAP	PA	04/07/2005
EPA 6020	A, B	Iron	NELAP	PA	08/24/2005
EPA 6020	A, B	Lead	NELAP	PA	04/07/2005
EPA 6020	A, B	Lithium	NELAP	PA	03/24/2017
EPA 6020	A, B	Magnesium	NELAP	PA	08/24/2005
EPA 6020	A, B	Manganese	NELAP	PA	04/07/2005
EPA 6020	A, B	Molybdenum	NELAP	PA	04/07/2005
EPA 6020	A, B	Nickel	NELAP	PA	04/07/2005
EPA 6020	A, B	Potassium	NELAP	PA	08/24/2005
EPA 6020	A, B	Selenium	NELAP	PA	04/07/2005
EPA 6020	A, B	Silica, as SiO ₂	NELAP	PA	04/18/2006
EPA 6020	A, B	Silicon	NELAP	PA	06/03/2010
EPA 6020	A, B	Silver	NELAP	PA	04/07/2005
EPA 6020	A, B	Sodium	NELAP	PA	08/24/2005
EPA 6020	A, B	Strontium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thallium	NELAP	PA	04/07/2005
EPA 6020	A, B	Thorium	NELAP	PA	03/24/2017
EPA 6020	A, B	Tin	NELAP	PA	08/24/2005
EPA 6020	A, B	Titanium	NELAP	PA	08/24/2005
EPA 6020	A, B	Uranium (mass)	NELAP	PA	03/24/2017
EPA 6020	A, B	Vanadium	NELAP	PA	04/07/2005
EPA 6020	A, B	Zinc	NELAP	PA	04/07/2005
EPA 7196	A	Chromium VI	NELAP	PA	04/07/2005
EPA 7470	A	Mercury	NELAP	PA	08/26/2006

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 7471	A	Mercury	NELAP	PA	04/07/2005
EPA 7471	B	Mercury	NELAP	PA	04/09/2009
EPA 8081	A	Organochlorine pesticides by GC/ECD	NELAP	PA	04/08/2009
EPA 8081	B	Organochlorine pesticides by GC/ECD	NELAP	PA	01/01/2013
EPA 8081	A, B	2,4'-DDD	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDE	NELAP	PA	04/18/2006
EPA 8081	A, B	2,4'-DDT	NELAP	PA	04/18/2006
EPA 8081	A, B	4,4'-DDD	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDE	NELAP	PA	04/07/2005
EPA 8081	A, B	4,4'-DDT	NELAP	PA	04/07/2005
EPA 8081	A, B	Aldrin (HHDN)	NELAP	PA	04/07/2005
EPA 8081	A, B	Chlorobenside	NELAP	PA	04/18/2006
EPA 8081	A, B	Chlordane (tech.)	NELAP	PA	04/07/2005
EPA 8081	A, B	Dacthal (DCPA)	NELAP	PA	08/26/2006
EPA 8081	A, B	Diallate (cis or trans)	NELAP	PA	08/26/2006
EPA 8081	A, B	Dieldrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan I	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan II	NELAP	PA	04/07/2005
EPA 8081	A, B	Endosulfan sulfate	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin aldehyde	NELAP	PA	04/07/2005
EPA 8081	A, B	Endrin ketone	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Heptachlor epoxide	NELAP	PA	04/07/2005
EPA 8081	A, B	Hexachlorobenzene	NELAP	PA	05/12/2011
EPA 8081	A, B	Isodrin	NELAP	PA	08/24/2005
EPA 8081	A, B	Methoxychlor	NELAP	PA	04/07/2005
EPA 8081	A, B	Mirex	NELAP	PA	08/24/2005
EPA 8081	A, B	Oxychlordane	NELAP	PA	04/09/2009
EPA 8081	A, B	Toxaphene (Chlorinated camphene)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	alpha-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	cis-Nonachlor	NELAP	PA	04/18/2006
EPA 8081	A, B	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	04/07/2005
EPA 8081	A, B	gamma-Chlordane	NELAP	PA	04/07/2005
EPA 8081	A, B	trans-Nonachlor	NELAP	PA	04/18/2006
EPA 8082	A	PCBs by GC/ECD	NELAP	PA	04/09/2009
EPA 8082		PCBs by GC/ECD	NELAP	PA	07/26/2019
EPA 8082	A	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	08/26/2006

Annamarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	04/13/2009
EPA 8082	A	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',3,5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',4,5,5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5,5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	08/26/2006
EPA 8082	A	2,2',5-Trichlorobiphenyl (BZ 18)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4',5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	04/25/2014
EPA 8082	A	2,3',4,4',5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	08/26/2006
EPA 8082	A	2,3',4,4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	08/26/2006
EPA 8082	A	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	04/25/2014
EPA 8082	A	2,3,3',4,4',5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	12/30/2019
EPA 8082	A	2,3,3',4,4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	04/13/2009
EPA 8082	A	2,3,4,4',5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	04/25/2014
EPA 8082	A	2,4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	04/13/2009
EPA 8082	A	2,4,4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4',5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	04/13/2009
EPA 8082	A	3,3',4,4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	04/13/2009
EPA 8082	A	3,4,4',5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	04/25/2014
EPA 8082	A	Aroclor-1016 (PCB-1016)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1016 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1221 (PCB-1221)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1221 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1232 (PCB-1232)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1232 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1242 (PCB-1242)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1242 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1248 (PCB-1248)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1248 (in oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1254 (PCB-1254)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1254 (in oil)	NELAP	PA	10/19/2016

Annmarie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8082	A	Aroclor-1260 (PCB-1260)	NELAP	PA	11/08/2007
EPA 8082	A	Aroclor-1260 (In oil)	NELAP	PA	10/19/2016
EPA 8082	A	Aroclor-1262 (PCB-1262)	NELAP	PA	04/08/2008
EPA 8082	A	Aroclor-1268 (PCB-1268)	NELAP	PA	04/08/2008
EPA 8082	A	Decachlorobiphenyl	NELAP	PA	08/26/2006
EPA 8141	A	Organophosphorus compounds by GC/NPD	NELAP	PA	04/08/2009
EPA 8141	B	Organophosphorus compounds by GC/NPD	NELAP	PA	04/09/2009
EPA 8141	A, B	Azinphos-methyl (Guthion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Bolstar (Sulprofos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Chlorpyrifos	NELAP	PA	08/24/2005
EPA 8141	A, B	Coumaphos	NELAP	PA	08/24/2005
EPA 8141	A, B	Demeton	NELAP	PA	04/09/2009
EPA 8141	A, B	Demeton-O	NELAP	PA	04/07/2005
EPA 8141	A, B	Demeton-S	NELAP	PA	04/07/2005
EPA 8141	A, B	Diazinon (Spectracide)	NELAP	PA	04/07/2005
EPA 8141	A, B	Dichlorvos (DDVP, Dichlorvos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Dimethoate	NELAP	PA	08/24/2005
EPA 8141	A, B	Disulfoton	NELAP	PA	04/07/2005
EPA 8141	A, B	EPN (Santox)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ethoprop (Prophos)	NELAP	PA	08/24/2005
EPA 8141	A, B	Famphur	NELAP	PA	08/24/2005
EPA 8141	A, B	Fensulfothion	NELAP	PA	08/24/2005
EPA 8141	A, B	Fenthion	NELAP	PA	08/24/2005
EPA 8141	A, B	Malathion	NELAP	PA	04/07/2005
EPA 8141	A, B	Methyl parathion (Parathion, methyl)	NELAP	PA	04/07/2005
EPA 8141	A, B	Mevinphos	NELAP	PA	08/24/2005
EPA 8141	A, B	O,O,O-Triethyl phosphorothioate	NELAP	PA	04/18/2006
EPA 8141	A, B	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	04/07/2005
EPA 8141	A, B	Phorate (Thimet)	NELAP	PA	08/24/2005
EPA 8141	A, B	Ronnel	NELAP	PA	04/18/2006
EPA 8141	A, B	Stirophos (Tetrachlorovinphos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8141	A, B	Thionazine (Thionazin, Zinphos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Tokuthion (Prothiophos)	NELAP	PA	04/18/2006
EPA 8141	A, B	Trichloronate	NELAP	PA	04/18/2006
EPA 8151	A	Chlorinated herbicides by GC/ECD	NELAP	PA	04/08/2009
EPA 8151	A	2,4,5-T	NELAP	PA	04/07/2005
EPA 8151	A	2,4,5-TP (Silvex)	NELAP	PA	04/07/2005
EPA 8151	A	2,4-D	NELAP	PA	04/07/2005
EPA 8151	A	2,4-DB (Butoxon)	NELAP	PA	04/07/2005
EPA 8151	A	Dalapon (2,2-Dichloropropionic acid)	NELAP	PA	08/24/2005
EPA 8151	A	Dicamba	NELAP	PA	04/07/2005

Ammerie Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8151	A	Dichloroprop (Dichlorprop)	NELAP	PA	04/07/2005
EPA 8151	A	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	12/30/2019
EPA 8151	A	MCPA	NELAP	PA	04/07/2005
EPA 8151	A	MCPPP (Mecoprop)	NELAP	PA	04/07/2005
EPA 8151	A	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8260	B	VOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8260	C	VOCs by GC/MS	NELAP	PA	12/05/2013
EPA 8260	D	VOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8260	B, C, D	1,1,1,2-Tetrachloroethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,1-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2,2-Tetrachloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,1,2-Trichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,1-Dichloropropene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichlorobenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2,4-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,2-Dichloroethene (total)	NELAP	PA	03/01/2007
EPA 8260	B, C, D	1,2-Dichloropropane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3,5-Trichlorobenzene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	1,3,5-Trimethylbenzene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,3-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2,2,4-Trimethylpentane (Iso-octane)	NELAP	PA	12/05/2007
EPA 8260	B, C, D	2,2-Dichloropropane	NELAP	PA	08/26/2006
EPA 8260	B, C, D	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	2-Chloroethyl vinyl ether	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	2-Hexanone	NELAP	PA	08/24/2005
EPA 8260	B, C, D	4-Chlorotoluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	4-Methyl-2-pentanone (MIBK)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Acetone	NELAP	PA	04/07/2005

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Acetonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrolein (Propenal)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Acrylonitrile	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Allyl chloride (3-Chloropropene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Benzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Benzyl chloride	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Bromobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromochloromethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Bromodichloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Bromoform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Carbon disulfide	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Carbon tetrachloride	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chlorobenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroform	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Chloroprene (2-Chloro-1,3-butadiene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Cyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Dibromochloromethane	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dibromomethane	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Dichlorodifluoromethane (Freon 12)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Dichlorofluoromethane (Freon 21)	NELAP	PA	12/30/2019
EPA 8260	B, C, D	Diethyl ether (Ethyl ether)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Ethyl methacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Ethylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Heptane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Iodomethane (Methyl iodide)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropyl alcohol (2-Propanol)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Isopropylbenzene (Cumene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methacrylonitrile	NELAP	PA	08/26/2006
EPA 8260	B, C, D	Methyl acetate	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methyl bromide (Bromomethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl chloride (Chloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methyl tert-butyl ether (MTBE)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylcyclohexane	NELAP	PA	04/18/2006
EPA 8260	B, C, D	Methylene chloride (Dichloromethane)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Methylmethacrylate	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Naphthalene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Propionitrile (Ethyl cyanide)	NELAP	PA	08/24/2005
EPA 8260	B, C, D	Styrene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	04/07/2005

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DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8260	B, C, D	Tetrahydrofuran (THF)	NELAP	PA	04/22/2010
EPA 8260	B, C, D	Toluene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Trichlorofluoromethane (Freon 11)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl acetate	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Vinyl chloride (Chloroethene)	NELAP	PA	04/07/2005
EPA 8260	B, C, D	Xylenes, total	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	cis-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	m+p-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	m-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	n-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	n-Hexane	NELAP	PA	12/05/2007
EPA 8260	B, C, D	n-Propylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	o-Xylene	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Isopropyltoluene (4-Isopropyltoluene)	NELAP	PA	08/26/2006
EPA 8260	B, C, D	p-Xylene	NELAP	PA	04/09/2009
EPA 8260	B, C, D	sec-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	04/08/2008
EPA 8260	B, C, D	tert-Butylbenzene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,2-Dichloroethene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,3-Dichloropropene	NELAP	PA	04/07/2005
EPA 8260	B, C, D	trans-1,4-Dichloro-2-butene	NELAP	PA	04/07/2005
EPA 8270	C	SOCs by GC/MS	NELAP	PA	04/08/2009
EPA 8270	D	SOCs by GC/MS	NELAP	PA	04/09/2009
EPA 8270	E	SOCs by GC/MS	NELAP	PA	06/05/2019
EPA 8270	C, D, E	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,2,4,5-Tetrachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2,4-Trichlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,2-Diphenylhydrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	1,4-Naphthoquinone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1,4-Phenylenediamine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	1-Chloronaphthalene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	1-Methylnaphthalene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	08/26/2006

AnnMarie Beach

The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

Attached to Certificate of Accreditation 018-001 expiration date 04/30/2022. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	2,2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	2,2'-oxybis(1-Chloropropane)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,3,4,6-Tetrachlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,3,5,6-Tetrachlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,3,7,8-TCDD (Dioxin) (screen)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2,4,5-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4,6-Trichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dichlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dimethylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,4-Dinitrotoluene (2,4-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2,6-Dichlorophenol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	2,6-Dinitrotoluene (2,6-DNT)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Acetylaminofluorene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Chloronaphthalene	NELAP	PA	10/13/2010
EPA 8270	C, D, E	2-Chlorophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylnaphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Methylphenol (o-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	2-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	2-Picoline (2-Methylpyridine)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dichlorobenzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	3,3'-Dimethylbenzidine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	3-Methylcholanthrene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	3-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4,4'-Methylenebis(2-chloroaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	4-Aminobiphenyl	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Bromopheny phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloro-3-methylphenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chloroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Chlorophenol	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Chloropheny phenyl ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Dimethylaminoazobenzene (Dimethylaminoazobenzene)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	4-Nitroaniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitrophenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	4-Nitroquinoline-1-oxide	NELAP	PA	08/26/2006
EPA 8270	C, D, E	5-Nitro-o-toluidine	NELAP	PA	08/26/2006

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	6-Methylchrysene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	7,12-Dimethylbenz(a)anthracene	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Acenaphthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acenaphthylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Acetophenone	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Aniline	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Aramite	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Atrazine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Benzaldehyde	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Benzidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[a]pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[b]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[ghi]perylene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzo[k]fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzoic acid	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Benzyl alcohol	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Caprolactam	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Carbazole	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Chlorobenzilate	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Chrysene (Benzo[a]phenanthrene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Cresols (total)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Di-n-butyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Di-n-octyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diallate (cis or trans)	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Dibenz[a,h]acridine	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Dibenzo[a,h]anthracene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dibenzofuran	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Diethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dimethoate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Dimethyl phthalate	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Dinoseb (2-sec-Butyl-4,6-dinitrophenol, DNBP)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Disulfoton	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Ethyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Famphur	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Fluoranthene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Fluorene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorobutadiene (1,3-Hexachlorobutadiene)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachlorocyclopentadiene	NELAP	PA	04/07/2005

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	Hexachloroethane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Hexachloropropene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Indene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	Indeno(1,2,3-cd)pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isodrin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Isophorone	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Isosafrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Kepone	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Methapyrilene	NELAP	PA	12/05/2007
EPA 8270	C, D, E	Methyl methanesulfonate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Methyl parathion (Parathion, methyl)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-butylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosodi-n-propylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodimethylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosodiphenylamine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	N-Nitrosomethylethylamine	NELAP	PA	08/24/2005
EPA 8270	C, D, E	N-Nitrosomorpholine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopiperidine	NELAP	PA	08/26/2006
EPA 8270	C, D, E	N-Nitrosopyrrolidine	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Naphthalene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Nitrobenzene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	O,O,O-Triethyl phosphorothioate	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Parathion, ethyl (Ethyl parathion, Parathion)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorobenzene	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachloroethane	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pentachloronitrobenzene (PCNB)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pentachlorophenol (PCP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenacetin	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Phenanthrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phenol	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Phorate (Thimet)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Pronamide (Kerb)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	Pyrene	NELAP	PA	04/07/2005
EPA 8270	C, D, E	Pyridine	NELAP	PA	04/18/2006
EPA 8270	C, D, E	Safrole	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	Thionazine (Thionazin, Zinphos)	NELAP	PA	08/26/2006
EPA 8270	C, D, E	bis(2-Chloroethoxy)methane	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Chloroethyl) ether	NELAP	PA	04/07/2005
EPA 8270	C, D, E	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	04/07/2005
EPA 8270	C, D, E	n-Octadecane	NELAP	PA	04/09/2009

Annmeric Beach

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Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
(412) 963-7058

DEP Laboratory ID: 02-00416
EPA Lab Code: PA00164
TNI Code: TNI02151
PADWIS ID: 02416

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary State	Effective Date
EPA 8270	C, D, E	o-Toluidine (2-Toluidine, 2-Methylaniline)	NELAP	PA	08/24/2005
EPA 8270	C, D, E	p-(Dimethylamino)azobenzene	NELAP	PA	04/09/2009
EPA 8270	C, D, E	p-Phenylenediamine	NELAP	PA	04/09/2009
EPA 9010	C	Total cyanide	NELAP	PA	03/04/2013
EPA 9013	A	Cyanide extraction for solids and oils	NELAP	PA	04/22/2010
EPA 9013		Cyanide extraction for solids and oils	NELAP	PA	12/05/2007
EPA 9014		Total cyanide	NELAP	PA	12/14/2012
EPA 9030	B	Sulfide	NELAP	PA	04/07/2005
EPA 9034		Sulfide	NELAP	PA	04/07/2005
EPA 9040	B	pH	NELAP	PA	04/07/2005
EPA 9040	C	pH	NELAP	PA	04/09/2009
EPA 9045	C	pH	NELAP	PA	04/07/2005
EPA 9045	D	pH	NELAP	PA	04/09/2009
EPA 9056	A	Anions by IC	NELAP	PA	04/09/2009
EPA 9056	A	Bromide	NELAP	PA	08/26/2006
EPA 9056	A	Chloride	NELAP	PA	04/07/2005
EPA 9056	A	Fluoride	NELAP	PA	04/07/2005
EPA 9056	A	Nitrate as N	NELAP	PA	04/07/2005
EPA 9056	A	Nitrite as N	NELAP	PA	04/07/2005
EPA 9056	A	Orthophosphate as P	NELAP	PA	01/26/2009
EPA 9056	A	Sulfate	NELAP	PA	04/07/2005
EPA 9065		Total phenolics	NELAP	PA	12/05/2007
EPA 9071	B	Oil and grease	NELAP	PA	04/09/2009
EPA 9095	B	Paint filter liquids test	NELAP	PA	04/09/2009
EPA Lloyd Kahn Method		Total organic carbon (TOC)	NELAP	PA	09/27/2007
OIA 1677-09		Available cyanide	NELAP	PA	04/18/2006
SM 2520 B		Salinity	NELAP	PA	04/08/2008
SM 2540 B		Residue, total	NELAP	PA	04/08/2008
SM 2540 G		Percent moisture in soil	NELAP	PA	04/13/2009
SM 2540 G		Residue, total	NELAP	PA	12/05/2007
SM 2540 G		Total, fixed, and volatile residue	NELAP	PA	05/31/2018
SOP (00416) OP-011		Percent lipids	NELAP	PA	04/13/2009
SOP (00416) WC-033		Water leach	NELAP	PA	09/05/2012
Walkley Black		Total organic carbon (TOC)	NELAP	PA	04/08/2008

AnnMarie Beach



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

04/01/2021

Deborah Lowe
Eurofins TestAmerica Laboratories Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Re: Certificate of Accreditation
DEP Lab ID No. 02-00416

Dear Laboratory Supervisor:

Enclosed is your new Certificate of Accreditation to operate as a Pennsylvania Accredited Laboratory. This Certificate of Accreditation expires **04/30/2022** unless suspended or revoked earlier. As a laboratory accredited in accordance with the Environmental Laboratory Accreditation Act of June 29, 2002 (P.L. 596, No 90) (27 Pa C.S. §§ 4101 – 4113) and The Environmental Laboratory Accreditation Regulations of 25 Pa. Code Chapter 252 you are responsible for continual compliance with the accreditation Act and regulations promulgated thereunder. Failure to comply with all applicable Federal and Departmental laws and regulations may result in suspension or revocation of your laboratory's accreditation.

Your DEP laboratory identification number is **02-00416**. Please use this number on all correspondence with the PA Department of Environmental Protection (Department).

Your laboratory is accredited to perform only the analyses by the methods listed on the Scope of Accreditation that accompanies the Certificate of Accreditation. The Certificate of Accreditation remains the property of the Department and must be displayed in the laboratory.

Please note this certification must be renewed annually. Renewal applications must be submitted to the Department *no later than 60 days prior to the expiration of the certification*. Failure to submit a renewal application within this time period may result in a lapse of the laboratory's accreditation. Should this occur, the laboratory may not conduct any further analyses for which accreditation is required and, if the laboratory is accredited to perform analyses on drinking water, the laboratory must notify the public water suppliers served by the laboratory of the laboratory's failure to renew its certificate of accreditation. Copies of the renewal application may be found on the Department's web site (www.depweb.state.pa.us/labs).

If you have any questions concerning your certificate, you may contact your laboratory's accreditation officer Virginia Hunsberger at 717-346-8211 or vhunsberge@pa.gov.

Sincerely,

Annmarie Beach, Chief
Laboratory Accreditation Program

Enclosures

APPENDIX B
STATISTICAL ANALYSES

April 2021

GROUNDWATER
STATISTICAL
ANALYSIS

FOR

PLANT SCHERER
CELL 1 LANDFILL

Prepared by:

Groundwater Stats Consulting LLC

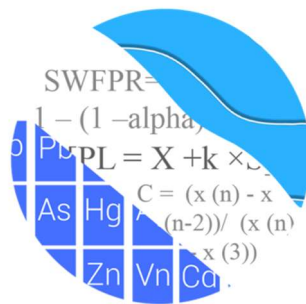


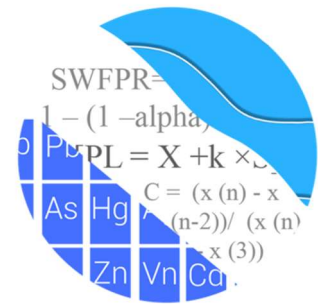
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GROUNDWATER STATS CONSULTING

August 24, 2021

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374



Re: Plant Scherer Cell 1 Landfill
Background Update and Statistical Analysis – 2021 1st Semi-Annual

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and 2021 1st Semi-Annual Groundwater Monitoring Statistical Analysis for the April/June 2021 sample event for Georgia Power Company's Plant Scherer Cell 1 Landfill. The analysis complies with the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Sampling began for the Coal Combustion Residuals (CCR) program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-15, GWA-16, and GWA-17
- **Downgradient wells:** GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, and GWC-20

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting and Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The State and CCR program consist of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Statistical analyses are not required when 100% non-detects are present in wells for a given constituent. A list of well/constituent pairs with 100% non-detects follows this letter. Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for CCR Appendix III and Georgia EPD Appendix I parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended.

Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. For the state parameters, it is assumed a minimum of 14 background samples are available to provide adequate statistical power using a 1-of-2 resample plan. Power curves are based on the following:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan (arsenic and silver)
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 16
- # Downgradient wells: 17

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 17

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening – Appendix III – Conducted in 2017

The original background screening for Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are

similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

Summary of Background Screening – Georgia EPD Appendix I – Conducted in August 2019

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells, or were reported non-detects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. A summary of all flagged values is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent

reporting limit was applied when varying detection limits existed in data as discussed above.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections for the following constituents: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing trends. However, the majority of these trends were relatively low in magnitude when compared to average concentrations; therefore, most records required no adjustments. The following well/constituent pairs did require adjustments to the records in order to remove increasing trends and use more recent data that will result in statistical limits representative of present-day groundwater quality conditions: chromium in wells GWC-1 and GWC-10, and vanadium in well GWC-1. A summary of the background periods used for these well/constituent pairs follows this letter. When an increasing trend in a downgradient well is removed by truncating the earlier portion of the record for a constituent analyzed by intrawell limits, it is assumed that the trend is not the result of the facility. This assumption is supported by a boxplot for all wells, by pre-waste data, or by an alternate source demonstration.

Selenium at well GWC-5 had elevated concentrations beginning in 2015, reportedly, due to surface infiltration from a leaking pipe that has since been fixed. Therefore, trend tests

were recommended in lieu of prediction limits. While the trend test showed an increasing trend when the entire record of data was evaluated, an additional trend test which evaluated only the most recent 8 measurements was included and demonstrated that the more recent measurements result in a statistically significant decreasing trend. Prediction limits may resume when at least 8 measurements return to background levels.

Several statistically significant decreasing trends were noted, but no records required adjustment during the screening. Vanadium at well GWC-8A has several more recent low-level reported concentrations similar to those reported during the earliest years of sampling. If these low-level concentrations continue, once a minimum of 8 new observations are available, the background data will likely be truncated to only use more recent data for construction of statistical limits.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells which included: arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for: nickel, selenium, and zinc. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, copper, and silver. This suggests that interwell analysis is the most appropriate statistical method for these constituents. However, because this is a lined landfill and pre-waste data are available, it was noted that copper, nickel, and zinc were present in low level detections during the collection of background data which indicates that these metals occur naturally in this area. Due to the evidence of natural occurrence, these constituents are eligible for intrawell analyses. It was also, reportedly, determined that selenium, which had only recent detections in downgradient well GWC-5 as discussed above, was eligible for intrawell analyses. An alternate source demonstration provided evidence to support the assumption that detections in this well are from a source other than the landfill. Therefore, of the

constituents listed above, interwell analyses were recommended only for arsenic and silver.

Variation was noted for barium, chromium, cobalt, lead, and vanadium. Pre-waste data show these metals also exist naturally in low level detections making them eligible for intrawell testing. A summary table of the ANOVA results was included with the screening.

Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021

Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020 (Figure C). All of the more recent compliance measurements appeared stable with no spurious measurements compared to the previously screened historical data sets; therefore, no new outliers were flagged except for a high value for sulfate at well GWC-13 and the historic highest values for chloride and sulfate at GWC-5. These values were flagged in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter. Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

Mann-Whitney Comparison of Medians

For constituents tested using intrawell prediction limits, which includes all Georgia EPD Appendix I constituents (except arsenic and silver which utilize interwell prediction limits) and all CCR Appendix III constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020 (Figures D and E, respectively). When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation follows this report. While all other well/constituent pairs were tested using the Mann Whitney (Wilcoxon Rank Sum) test as may be seen on the summary table following this letter, only the significant results are provided in the graphical output. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

Appendix I

Increase

- Barium: GWC-10, GWC-12, GWC-13, and GWC-19
- Chromium: GWC-10

Decrease

- Antimony: GWC-2
- Beryllium: GWC-7
- Cadmium: GWA-17 (upgradient) and GWC-11
- Chromium: GWC-3
- Cobalt: GWA-16, GWA-17 (both upgradient), GWC-1, GWC-2, GWC-3, GWC-4, GWC-5, GWC-7, GWC-9, GWC-11, GWC-18, GWC-19, and GWC-20
- Copper: GWC-18
- Nickel: GWA-15 (upgradient), GWC-1, GWC-3, GWC-5, GWC-6, GWC-7, GWC-9, GWC-11, GWC-12, GWC-13, GWC-18, GWC-19, and GWC-20
- Thallium: GWA-15, GWA-17 (both upgradient), GWC-1, GWC-2, and GWC-4
- Vanadium: GWC-8A
- Zinc: GWC-12

Appendix III

Increase

- Calcium: GWC-8A
- Chloride: GWC-10 and GWC-18
- Sulfate: GWC-10 and GWC-13

Decrease

- Calcium: GWC-3 and GWC-5
- Chloride: GWC-3 and GWC-5
- Fluoride: GWA-16, GWA-17 (both upgradient), GWC-2, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-11, GWC-13, GWC-18, GWC-19, and GWC-20
- Sulfate: GWA-17 (upgradient), GWC-5, GWC-8A, and GWC-18
- TDS: GWC-5

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, background data sets are not updated unless further research provides reasonable justification that the changes in concentrations reflect a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is

of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

In this analysis, the majority of the records with statistically significant Mann-Whitney results for upgradient and downgradient wells were updated due to similar shifts in downgradient water quality conditions compared to those observed upgradient of the facility. Additionally, since statistically significant decreases in medians between historical and compliance data sets signify lower concentrations, and subsequently, more conservative (i.e. lower) statistical limits, these cases were updated with more recent data. Some cases, however, resulted in statistically significant increases in median concentrations and were further evaluated to determine whether more recent data could be incorporated for constructing statistical limits. These particular cases are discussed below.

For Georgia EPD Appendix I parameters, barium in downgradient wells GWC-10, GWC-12, GWC-13, and GWC-19 showed concentrations that are increasing compared to historical measurements. For barium in downgradient well GWC-12, newer concentrations are similar to historical concentrations; therefore, this record was updated with compliance samples. For the other three wells, records were not updated at this time and will be re-evaluated during the next background update. If there is no evidence of facility impacts, the records will be updated. Exceptionally high measurements may be flagged as outliers and/or earlier observations may be deselected to obtain statistical limits that are representative of current, unimpacted conditions. Chromium at downgradient well GWC-10 showed a statistically significant increase with a continuing steady upward trend and, therefore, was not updated.

The Mann Whitney test did not identify significant differences in medians for lead at all wells; however, it was noted that historical data prior to 2016 are variable and likely represent a sampling or analysis error. Therefore, all historical data prior to 2016 for lead were truncated so that resulting prediction limits will be conservative (i.e. lower) from a regulatory perspective.

All records will be re-evaluated during the next background update and if future concentrations are similar to those observed currently, the earlier portion of the records may require deselection so only more recent data are used to construct statistical limits which are reflective of present-day water quality conditions. If, however, concentrations return to historical lower levels, more recent higher measurements may be flagged as outliers and deselected prior to construction of statistical limits.

For CCR Appendix III parameters, chloride in wells GWC-10 and GWC-18 showed statistically significant increases in the median concentrations. However, the new measurements were well within the range of observations observed at neighboring wells, including upgradient well GWA-15. Therefore, these records were updated with more recent data. Although a statistically significant increase was identified for sulfate in downgradient well GWC-13, the compliance data represent very low concentrations that are slightly greater than historical concentrations which are mostly non-detect. Therefore, this well/constituent pair was updated with compliance data.

The Mann-Whitney test identified statistically significant decreases in median concentrations for both chloride and sulfate at well GWC-5 in which historical concentrations were substantially higher than those observed currently. In order to construct statistical limits that are conservative (i.e. lower) from a regulatory perspective, these well/constituent pairs were updated with compliance data, and the highest reported measurements were flagged as outliers as discussed below.

The more recent sulfate concentrations in well GWC-10, while very low and similar to those observed in upgradient well GWA-15, are steadily increasing. Therefore, this well/constituent pair was not updated with compliance data at this time and will be re-evaluated during the next background update. Additionally, since the compliance concentrations for calcium in well GWC-8A are steadily trending upward and are higher than those in any upgradient well, this well/constituent pair was not updated.

If it is later determined that these trends or increases in concentrations are short-term or not the result of the facility, then these records may be updated. A summary of these results follows this letter, and the test results are included with the Mann Whitney test section at the end of this report. Additionally, a list of well/constituent pairs that use a truncated portion of their record also follows this report.

Trend Tests

For constituents requiring interwell prediction limits (arsenic and silver), the Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells (Figure F). As mentioned above, in the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend, thus reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. No significant

trends were identified among upgradient wells for arsenic and silver; therefore, no further action was necessary. Complete graphical results of the trend tests follow this report.

Statistical Analysis of Georgia EPD Appendix I Constituents – April/June 2021

Intrawell limits were used to evaluate all Georgia EPD constituents in this analysis with the exception of arsenic and silver, which use interwell limits, and selenium at well GWC-5 which uses a trend test in lieu of a prediction limit. In cases where intrawell analyses are recommended and downgradient average concentrations are higher than upgradient observed concentrations for a given constituent, the current assumption is that the higher upgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic, as well as the alternate source demonstrations prepared by Golder Associates.

When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells (such as arsenic and silver), interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020, except where mentioned above, within each well with detections for antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc (Figure G). As previously discussed, no statistical analyses were included for well/constituent pairs which contain 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. The following statistical exceedances were noted for the intrawell prediction limits:

- Barium: GWC-19
- Zinc: GWC-2

Following the two-step analysis procedure discussed above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances (Figure H). The following statistical exceedances were noted for the interwell prediction limits:

- Zinc: GWC-2

Interwell prediction limits, combined with a 1-of-2 resample plan, were also constructed using all pooled upgradient well data through June 2021 to develop background limits for arsenic and silver (Figure I). No statistical exceedances were noted for the interwell prediction limits. Summary tables of the intrawell and interwell prediction limits follow this letter along with the complete graphical results. For future semi-annual sampling events, the interwell limits will be updated each time after careful screening for new outliers on the current upgradient well data, while the intrawell prediction limits will remain the same until the next background update.

Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site.

As recommended during the previous screening, trend tests were used in lieu of prediction limits for selenium at well GWC-5 until concentrations resume background levels. The trend test for selenium at well GWC-5 is included with the trend test section for Appendix I prediction limit exceedances (Figure I). While no statistically significant trend is present for selenium at well GWC-5 when the entire record is evaluated, a statistically significant decreasing trend is present when evaluating the most recent 8 measurements, which demonstrates that more recent concentrations are returning to background levels. Although current groundwater concentrations have recently returned to historical levels, concentrations have not been stable overtime, and constructing prediction limits would not provide statistical limits that are conservative from a regulatory perspective. During the next background update, this well/constituent pair will be screened for the purpose of constructing statistical limits. A summary of the trend tests follows this letter along with complete graphical results of the trend analysis (Figure J). Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWC-19

Decreasing:

- Barium: GWA-16 and GWA-17 (both upgradient)

Statistical Analysis of Appendix III Parameters – April/June 2021

Based on the 2017 screening, intrawell prediction limits for all Appendix III parameters, combined with a 1-of-2 resample plan, were constructed using all historical data, except where mentioned above, through September 2020. The April and June 2021 samples were compared to those limits. Note that due to variation in the background data that resulted in elevated parametric prediction limits for chloride and sulfate at downgradient well GWC-5, non-parametric prediction limits were constructed in order to generate statistical limits that are conservative (i.e. lower) from a regulatory perspective.

Prediction Limits

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the Appendix III prediction limits follows this letter, along with complete graphical results (Figure K). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWC-8A
- Chloride: GWA-15 (upgradient), GWC-7, GWC-10, GWC-14, and GWC-19
- pH: GWC-2, GWC-9, and GWC-19
- Sulfate: GWC-2, GWC-10, GWC-19, and GWC-20

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data through June 2021 to evaluate the initial intrawell prediction limit exceedance (Figure K). The following statistical exceedances were noted for the interwell prediction limits:

- Calcium: GWC-8A
- pH: GWC-2

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure L). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were found for the following well/constituent pairs:

Increasing:

- Calcium: GWC-8A
- Chloride: GWC-10
- Sulfate: GWC-10

Decreasing:

- Chloride: GWA-17 (upgradient)

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer Cell 1 Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

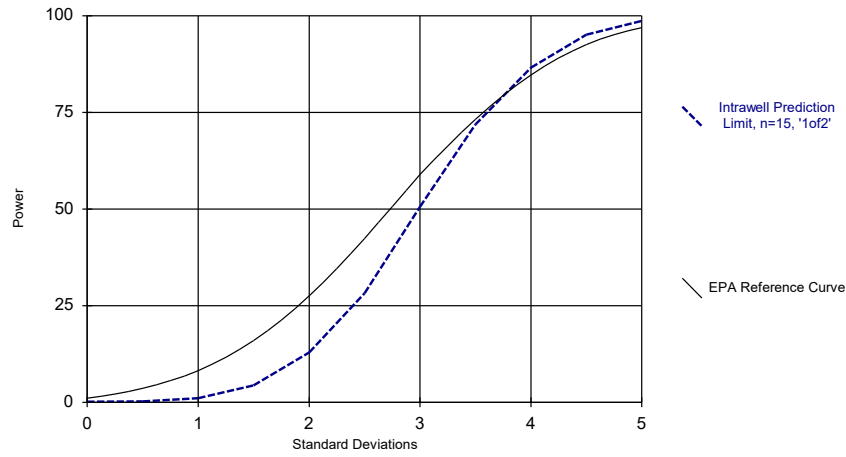


Andrew T. Collins
Project Manager



Kristina L. Rayner
Groundwater Statistician

Appendix I Intrawell Power Curve

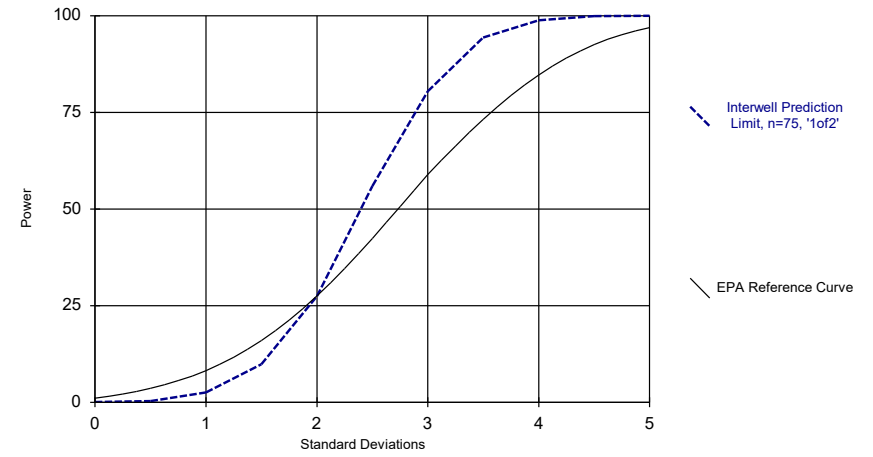


Kappa = 2.949, based on 17 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:23 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Appendix I Interwell Power Curve

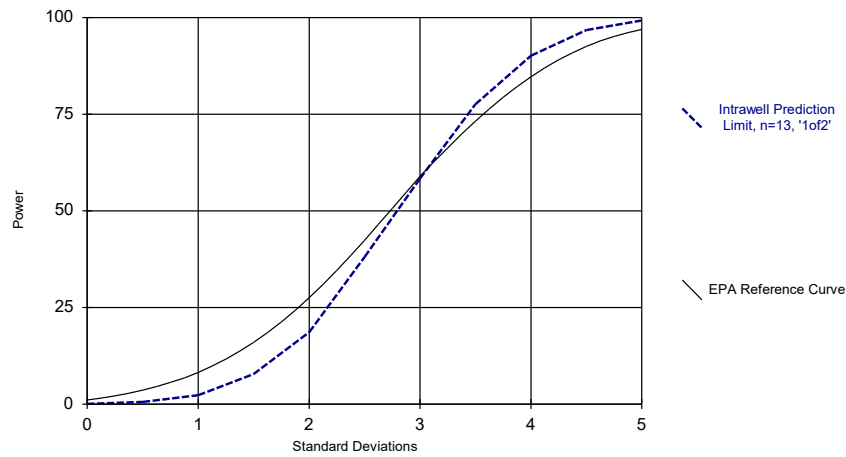


Kappa = 2.308, based on 17 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:24 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Appendix III Intrawell Power Curve

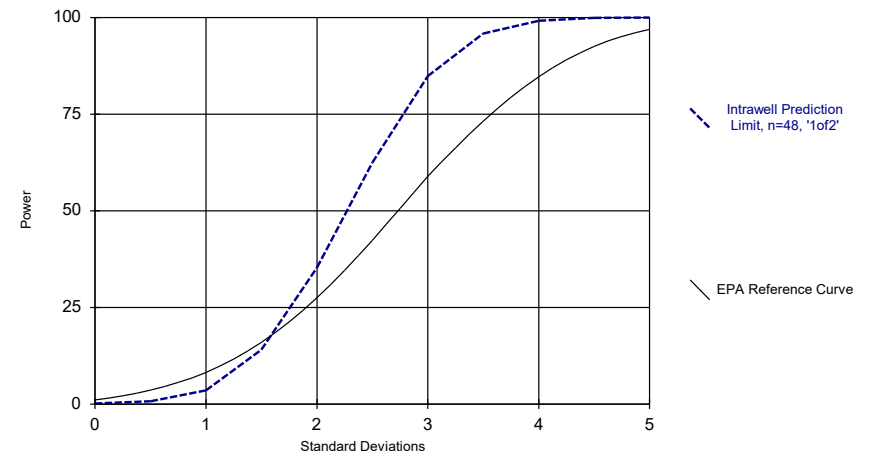


Kappa = 2.762, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:24 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Appendix III Interwell Power Curve



Kappa = 2.179, based on 17 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/24/2021 12:25 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

100% Non-Detects

Analysis Run 6/24/2021 10:24 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Antimony, Total (mg/L)

GWA-15, GWA-17, GWC-1, GWC-10, GWC-11, GWC-13, GWC-14, GWC-20, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

Beryllium, Total (mg/L)

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-9

Boron, total (mg/L)

GWA-15, GWA-16, GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-4, GWC-7

Cadmium, Total (mg/L)

GWA-15, GWA-16, GWC-1, GWC-10, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-9

Cobalt, Total (mg/L)

GWC-10, GWC-13, GWC-14

Copper (mg/L)

GWA-15, GWC-1, GWC-10, GWC-12, GWC-19, GWC-5

Lead, Total (mg/L)

GWA-15, GWC-10, GWC-12, GWC-14, GWC-18, GWC-20, GWC-5, GWC-6, GWC-9

Mercury (mg/L)

GWC-12

Nickel (mg/L)

GWC-14

Selenium, Total (mg/L)

GWC-13, GWC-20, GWC-4

Silver (mg/L)

GWA-15, GWA-16, GWA-17, GWC-10, GWC-11, GWC-12, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-7, GWC-8A, GWC-9

Thallium, Total (mg/L)

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-20, GWC-3, GWC-5, GWC-9

No Variation Well/Constituent Pairs

Date: 6/15/2021 3:39 PM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Antimony, Total (ug/L)

GWA-15, GWA-17, GWC-1, GWC-10, GWC-11, GWC-13, GWC-14, GWC-20, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

Beryllium, Total (ug/L)

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-8A, GWC-9

Boron, total (mg/L)

GWA-15, GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7

Cadmium, Total (ug/L)

GWA-15, GWA-16, GWC-1, GWC-10, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-9

Calcium, total (mg/L)

GWA-15, GWA-16, GWA-17, GWC-1, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-4, GWC-5, GWC-6, GWC-7, GWC-8A, GWC-9

Cobalt, Total (ug/L)

GWC-10, GWC-13, GWC-14

Copper (mg/L)

GWA-15, GWC-1, GWC-10, GWC-12, GWC-19, GWC-2, GWC-5

Lead, Total (ug/L)

GWA-15, GWC-12

Mercury (mg/L)

GWC-12

Nickel (mg/L)

GWC-14

Selenium, Total (ug/L)

GWC-13, GWC-20, GWC-4

Thallium, Total (ug/L)

GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-18, GWC-19, GWC-2, GWC-20, GWC-3, GWC-5, GWC-6, GWC-8A, GWC-9

Date Ranges

Date: 6/24/2021 10:21 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Barium, Total (mg/L)

GWC-10 background:5/10/2010-10/2/2018

GWC-13 background:5/9/2010-10/3/2018

GWC-19 background:5/11/2010-10/2/2018

Calcium, total (mg/L)

GWC-8A background:4/19/2016-10/4/2018

Chromium, Total (mg/L)

GWC-10 background:5/10/2010-10/2/2018

Lead, Total (mg/L)

All Wells:4/6/2016-9/15/2020

Sulfate as SO4 (mg/L)

GWC-10 background:4/13/2016-10/2/2018

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWA-16 (bg)	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-12	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-18	-1.511	No	Mann-W
Antimony, Total (mg/L)	GWC-19	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Antimony, Total (mg/L)	GWC-3	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-7	0.3	No	Mann-W
Barium, Total (mg/L)	GWA-15 (bg)	1.149	No	Mann-W
Barium, Total (mg/L)	GWA-16 (bg)	0.6704	No	Mann-W
Barium, Total (mg/L)	GWA-17 (bg)	0.6978	No	Mann-W
Barium, Total (mg/L)	GWC-1	0.2552	No	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-11	1.534	No	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-14	1.782	No	Mann-W
Barium, Total (mg/L)	GWC-18	0.1275	No	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Barium, Total (mg/L)	GWC-2	1.324	No	Mann-W
Barium, Total (mg/L)	GWC-20	1.373	No	Mann-W
Barium, Total (mg/L)	GWC-3	-2.483	No	Mann-W
Barium, Total (mg/L)	GWC-4	2.096	No	Mann-W
Barium, Total (mg/L)	GWC-5	-0.03167	No	Mann-W
Barium, Total (mg/L)	GWC-6	0.1905	No	Mann-W
Barium, Total (mg/L)	GWC-7	2.318	No	Mann-W
Barium, Total (mg/L)	GWC-8A	-0.4431	No	Mann-W
Barium, Total (mg/L)	GWC-9	-0.5401	No	Mann-W
Beryllium, Total (mg/L)	GWA-17 (bg)	0.3	No	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-8A	1.137	No	Mann-W
Chromium, Total (mg/L)	GWA-15 (bg)	1.367	No	Mann-W
Chromium, Total (mg/L)	GWA-16 (bg)	0.6968	No	Mann-W
Chromium, Total (mg/L)	GWA-17 (bg)	1.835	No	Mann-W
Chromium, Total (mg/L)	GWC-1	1.92	No	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-11	0.6338	No	Mann-W
Chromium, Total (mg/L)	GWC-12	0	No	Mann-W
Chromium, Total (mg/L)	GWC-13	2.138	No	Mann-W
Chromium, Total (mg/L)	GWC-14	1.435	No	Mann-W
Chromium, Total (mg/L)	GWC-18	0.06618	No	Mann-W
Chromium, Total (mg/L)	GWC-19	1.899	No	Mann-W
Chromium, Total (mg/L)	GWC-2	1.027	No	Mann-W
Chromium, Total (mg/L)	GWC-20	1.014	No	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Chromium, Total (mg/L)	GWC-4	0.2849	No	Mann-W
Chromium, Total (mg/L)	GWC-5	1.677	No	Mann-W
Chromium, Total (mg/L)	GWC-6	0.6332	No	Mann-W
Chromium, Total (mg/L)	GWC-7	1.046	No	Mann-W
Chromium, Total (mg/L)	GWC-8A	-1.761	No	Mann-W
Chromium, Total (mg/L)	GWC-9	0.1898	No	Mann-W
Cobalt, Total (mg/L)	GWA-15 (bg)	-1.142	No	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-12	0.6425	No	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-6	-1.511	No	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-8A	0.6837	No	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWA-17 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWC-11	-1.938	No	Mann-W
Copper (mg/L)	GWC-13	-0.559	No	Mann-W
Copper (mg/L)	GWC-14	-0.559	No	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Copper (mg/L)	GWC-20	-0.5164	No	Mann-W
Copper (mg/L)	GWC-3	-2.528	No	Mann-W
Copper (mg/L)	GWC-4	-1.159	No	Mann-W
Copper (mg/L)	GWC-6	-1.789	No	Mann-W
Copper (mg/L)	GWC-7	-0.5777	No	Mann-W
Copper (mg/L)	GWC-8A	-2.565	No	Mann-W
Copper (mg/L)	GWC-9	-0.7268	No	Mann-W
Lead, Total (mg/L)	GWA-16 (bg)	-1.976	No	Mann-W
Lead, Total (mg/L)	GWA-17 (bg)	-1.853	No	Mann-W
Lead, Total (mg/L)	GWC-1	-1.753	No	Mann-W
Lead, Total (mg/L)	GWC-10	-1.427	No	Mann-W
Lead, Total (mg/L)	GWC-11	0.27	No	Mann-W
Lead, Total (mg/L)	GWC-13	-0.299	No	Mann-W
Lead, Total (mg/L)	GWC-14	-0.6477	No	Mann-W
Lead, Total (mg/L)	GWC-18	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-19	-1.231	No	Mann-W
Lead, Total (mg/L)	GWC-2	-1.978	No	Mann-W
Lead, Total (mg/L)	GWC-20	-1.325	No	Mann-W
Lead, Total (mg/L)	GWC-3	-1.118	No	Mann-W
Lead, Total (mg/L)	GWC-4	-1.928	No	Mann-W
Lead, Total (mg/L)	GWC-5	-1.032	No	Mann-W
Lead, Total (mg/L)	GWC-6	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-7	-1.977	No	Mann-W
Lead, Total (mg/L)	GWC-8A	-1.3	No	Mann-W
Lead, Total (mg/L)	GWC-9	-1.427	No	Mann-W
Mercury (mg/L)	GWA-15 (bg)	0.5037	No	Mann-W
Mercury (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWA-17 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWC-1	0.5037	No	Mann-W
Mercury (mg/L)	GWC-10	0.6579	No	Mann-W
Mercury (mg/L)	GWC-11	0.5037	No	Mann-W
Mercury (mg/L)	GWC-13	0.5037	No	Mann-W
Mercury (mg/L)	GWC-14	0.5037	No	Mann-W
Mercury (mg/L)	GWC-18	0.3	No	Mann-W
Mercury (mg/L)	GWC-19	0.5037	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

Constituent	Well	Calc.	0.01	Method
Mercury (mg/L)	GWC-2	0.5037	No	Mann-W
Mercury (mg/L)	GWC-20	0.6579	No	Mann-W
Mercury (mg/L)	GWC-3	0.6582	No	Mann-W
Mercury (mg/L)	GWC-4	0.3	No	Mann-W
Mercury (mg/L)	GWC-5	0.3	No	Mann-W
Mercury (mg/L)	GWC-6	0.6579	No	Mann-W
Mercury (mg/L)	GWC-7	-1.077	No	Mann-W
Mercury (mg/L)	GWC-8A	0.9126	No	Mann-W
Mercury (mg/L)	GWC-9	0.3	No	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWA-16 (bg)	-2.294	No	Mann-W
Nickel (mg/L)	GWA-17 (bg)	-0.08076	No	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-10	-1.364	No	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-2	-1.313	No	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-4	-2.236	No	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-8A	-0.09099	No	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Selenium, Total (mg/L)	GWA-15 (bg)	0.3	No	Mann-W
Selenium, Total (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWA-17 (bg)	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-1	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-10	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-11	0.1383	No	Mann-W
Selenium, Total (mg/L)	GWC-12	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-14	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-18	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-19	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-2	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWC-3	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-5	-1.542	No	Mann-W
Selenium, Total (mg/L)	GWC-6	0.8002	No	Mann-W
Selenium, Total (mg/L)	GWC-7	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-8A	0.791	No	Mann-W
Selenium, Total (mg/L)	GWC-9	-0.5	No	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-16 (bg)	-1.655	No	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-7	-1.196	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.254	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.201	No	Mann-W
Vanadium (mg/L)	GWA-17 (bg)	1.359	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Vanadium (mg/L)	GWC-1	1.341	No	Mann-W
Vanadium (mg/L)	GWC-10	1.415	No	Mann-W
Vanadium (mg/L)	GWC-11	1.869	No	Mann-W
Vanadium (mg/L)	GWC-12	1.691	No	Mann-W
Vanadium (mg/L)	GWC-13	-0.04822	No	Mann-W
Vanadium (mg/L)	GWC-14	2.087	No	Mann-W
Vanadium (mg/L)	GWC-18	2.335	No	Mann-W
Vanadium (mg/L)	GWC-19	1.666	No	Mann-W
Vanadium (mg/L)	GWC-2	2.19	No	Mann-W
Vanadium (mg/L)	GWC-20	1.212	No	Mann-W
Vanadium (mg/L)	GWC-3	0.7305	No	Mann-W
Vanadium (mg/L)	GWC-4	0.3489	No	Mann-W
Vanadium (mg/L)	GWC-5	-1.173	No	Mann-W
Vanadium (mg/L)	GWC-6	2.522	No	Mann-W
Vanadium (mg/L)	GWC-7	1.618	No	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Vanadium (mg/L)	GWC-9	1.32	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	2.124	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Zinc (mg/L)	GWA-17 (bg)	1.28	No	Mann-W
Zinc (mg/L)	GWC-1	-2.348	No	Mann-W
Zinc (mg/L)	GWC-10	-2.348	No	Mann-W
Zinc (mg/L)	GWC-11	2.271	No	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W
Zinc (mg/L)	GWC-13	-0.9271	No	Mann-W
Zinc (mg/L)	GWC-14	-2.348	No	Mann-W
Zinc (mg/L)	GWC-18	2.124	No	Mann-W
Zinc (mg/L)	GWC-19	2.065	No	Mann-W
Zinc (mg/L)	GWC-2	-2.348	No	Mann-W
Zinc (mg/L)	GWC-20	2.124	No	Mann-W
Zinc (mg/L)	GWC-3	1.94	No	Mann-W
Zinc (mg/L)	GWC-4	1.777	No	Mann-W
Zinc (mg/L)	GWC-5	-0.8924	No	Mann-W
Zinc (mg/L)	GWC-6	2.124	No	Mann-W
Zinc (mg/L)	GWC-7	2.124	No	Mann-W
Zinc (mg/L)	GWC-8A	-2.026	No	Mann-W
Zinc (mg/L)	GWC-9	-2.348	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron, total (mg/L)	GWA-17 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-5	-1.896	No	Mann-W
Boron, total (mg/L)	GWC-8A	-0.7126	No	Mann-W
Boron, total (mg/L)	GWC-9	-1.9	No	Mann-W
Calcium, total (mg/L)	GWA-15 (bg)	-0.264	No	Mann-W
Calcium, total (mg/L)	GWA-16 (bg)	-0.2015	No	Mann-W
Calcium, total (mg/L)	GWA-17 (bg)	1.896	No	Mann-W
Calcium, total (mg/L)	GWC-1	0.06716	No	Mann-W
Calcium, total (mg/L)	GWC-10	1.919	No	Mann-W
Calcium, total (mg/L)	GWC-11	0.8083	No	Mann-W
Calcium, total (mg/L)	GWC-12	0.3293	No	Mann-W
Calcium, total (mg/L)	GWC-13	1.838	No	Mann-W
Calcium, total (mg/L)	GWC-14	1.181	No	Mann-W
Calcium, total (mg/L)	GWC-18	-0.4007	No	Mann-W
Calcium, total (mg/L)	GWC-19	2.305	No	Mann-W
Calcium, total (mg/L)	GWC-2	0.3368	No	Mann-W
Calcium, total (mg/L)	GWC-20	-0.4045	No	Mann-W
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-4	0.869	No	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-6	-1.897	No	Mann-W
Calcium, total (mg/L)	GWC-7	1.318	No	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Calcium, total (mg/L)	GWC-9	-1.968	No	Mann-W
Chloride, Total (mg/L)	GWA-15 (bg)	0.861	No	Mann-W
Chloride, Total (mg/L)	GWA-16 (bg)	-1.406	No	Mann-W
Chloride, Total (mg/L)	GWA-17 (bg)	-1.523	No	Mann-W
Chloride, Total (mg/L)	GWC-1	-0.8555	No	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-11	0.5338	No	Mann-W
Chloride, Total (mg/L)	GWC-12	1.819	No	Mann-W
Chloride, Total (mg/L)	GWC-13	1.273	No	Mann-W
Chloride, Total (mg/L)	GWC-14	0	No	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-19	1.013	No	Mann-W
Chloride, Total (mg/L)	GWC-2	-1.461	No	Mann-W
Chloride, Total (mg/L)	GWC-20	0.2649	No	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-4	1.111	No	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Chloride, Total (mg/L)	GWC-6	-0.9203	No	Mann-W
Chloride, Total (mg/L)	GWC-7	2.303	No	Mann-W
Chloride, Total (mg/L)	GWC-8A	0.4257	No	Mann-W
Chloride, Total (mg/L)	GWC-9	-1.908	No	Mann-W
Fluoride, total (mg/L)	GWA-15 (bg)	-0.7724	No	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-1	-1.13	No	Mann-W
Fluoride, total (mg/L)	GWC-10	-1.252	No	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-12	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-14	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

Constituent	Well	Calc.	0.01	Method
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-3	-0.9574	No	Mann-W
Fluoride, total (mg/L)	GWC-4	-1.582	No	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Fluoride, total (mg/L)	GWC-9	-1.205	No	Mann-W
pH, Field (S.U.)	GWA-15 (bg)	-0.7134	No	Mann-W
pH, Field (S.U.)	GWA-16 (bg)	-1.011	No	Mann-W
pH, Field (S.U.)	GWA-17 (bg)	1.72	No	Mann-W
pH, Field (S.U.)	GWC-1	1.131	No	Mann-W
pH, Field (S.U.)	GWC-10	1.188	No	Mann-W
pH, Field (S.U.)	GWC-11	0.8835	No	Mann-W
pH, Field (S.U.)	GWC-12	0.5939	No	Mann-W
pH, Field (S.U.)	GWC-13	-1.239	No	Mann-W
pH, Field (S.U.)	GWC-14	1.324	No	Mann-W
pH, Field (S.U.)	GWC-18	0.7123	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.551	No	Mann-W
pH, Field (S.U.)	GWC-2	-0.1897	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.6553	No	Mann-W
pH, Field (S.U.)	GWC-3	1.365	No	Mann-W
pH, Field (S.U.)	GWC-4	1.779	No	Mann-W
pH, Field (S.U.)	GWC-5	1.723	No	Mann-W
pH, Field (S.U.)	GWC-6	1.792	No	Mann-W
pH, Field (S.U.)	GWC-7	1.453	No	Mann-W
pH, Field (S.U.)	GWC-8A	-0.6036	No	Mann-W
pH, Field (S.U.)	GWC-9	1.543	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-15 (bg)	1.487	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-16 (bg)	-1.809	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-1	-0.7416	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-11	-0.7724	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-12	-0.5864	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-14	-1.587	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-19	-0.1103	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-2	-1.323	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-2.538	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-3	-1.769	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-4	-0.3273	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-6	-1.834	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-7	-2.262	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-9	-1.764	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.1965	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-1.252	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	0.1308	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-1	0.06768	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	1.222	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	0	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/L)	GWC-12	0.4615	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	0.2838	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	-0.654	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-18	0.3927	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.8642	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-2	1.123	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	0.4598	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-3	-1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-4	0.929	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-6	-1.987	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-1.058	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	2.557	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-0.7904	No	Mann-W

Upgradient Wells Trend Tests - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 2:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic, Total (mg/L)	GWA-15 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-16 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-17 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-15 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-16 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-17 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP

Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-12	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-18	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-19	0.002	n/a	4/5/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.0013J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-3	0.002	n/a	4/6/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-7	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-15	0.01222	n/a	4/1/2021	0.0092J	No	29	1.0e-6	3.3e-7	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-16	0.039	n/a	4/1/2021	0.024	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-17	0.05168	n/a	4/1/2021	0.029	No	29	0.03311	0.007355	3.448	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-1	0.05736	n/a	4/1/2021	0.047	No	29	0.04657	0.004275	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-10	0.03499	n/a	4/1/2021	0.034	No	25	0.02434	0.004121	8	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-11	0.02014	n/a	4/1/2021	0.018	No	29	0.000004282	0.0000015386	897	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-12	0.02024	n/a	4/1/2021	0.018	No	29	0.0002401	0.00006713	6.897	None	x^2	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-13	0.04187	n/a	4/6/2021	0.038	No	25	0.3096	0.01457	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-14	0.01121	n/a	4/1/2021	0.0095J	No	27	8.3e-7	2.3e-7	3.704	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-18	0.04194	n/a	4/1/2021	0.035	No	29	0.0000432	0.00001211	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-2	0.05512	n/a	4/1/2021	0.044	No	29	0.04531	0.003886	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-20	0.03633	n/a	4/5/2021	0.029	No	29	0.00002787	0.00000795	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-3	0.039	n/a	4/6/2021	0.014	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWC-4	0.05318	n/a	4/2/2021	0.047	No	29	0.0383	0.005897	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-5	0.1279	n/a	4/1/2021	0.04	No	29	0.1968	0.06373	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-6	0.06608	n/a	4/5/2021	0.054	No	29	0.05388	0.004831	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-7	0.04238	n/a	4/1/2021	0.036	No	29	0.03227	0.004007	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-8A	0.1198	n/a	4/5/2021	0.045	No	29	0.2032	0.05658	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-9	0.03624	n/a	4/1/2021	0.018	No	29	0.02271	0.005359	3.448	None	No	0.0001937	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-7	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-15	0.0036	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-16	0.008833	n/a	4/1/2021	0.0053	No	29	0.06962	0.009652	3.448	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-17	0.0117	n/a	4/1/2021	0.0082	No	29	0.007027	0.001851	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-1	0.01967	n/a	4/1/2021	0.014	No	29	0.01183	0.003104	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-10	0.02162	n/a	4/1/2021	0.02	No	25	0.01381	0.003022	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-11	0.012	n/a	4/1/2021	0.0078	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-12	0.0036	n/a	4/1/2021	0.0015J	No	29	n/a	n/a	41.38	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-13	0.009035	n/a	4/6/2021	0.0061	No	28	0.06874	0.01036	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-14	0.0038	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWC-18	0.02	n/a	4/1/2021	0.014	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-19	0.01516	n/a	4/5/2021	0.012	No	29	0.009037	0.002426	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-2	0.01406	n/a	4/1/2021	0.0057	No	29	0.009993	0.00161	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-20	0.01426	n/a	4/5/2021	0.008	No	29	0.009105	0.002041	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-3	0.022	n/a	4/6/2021	0.0074	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-4	0.01042	n/a	4/2/2021	0.0052	No	29	0.006141	0.001695	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-5	0.01111	n/a	4/1/2021	0.0058	No	29	-5.492	0.393	3.448	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-6	0.012	n/a	4/5/2021	0.005	No	29	n/a	n/a	6.897	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-7	0.01648	n/a	4/1/2021	0.0091	No	29	-4.614	0.2014	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-8A	0.023	n/a	4/5/2021	0.002ND	No	28	n/a	n/a	39.29	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-9	0.01258	n/a	4/1/2021	0.0018J	No	29	0.007675	0.001942	3.448	None	No	0.0001937	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-15	0.0025	n/a	4/1/2021	0.0024J	No	28	n/a	n/a	53.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-16	0.0025	n/a	4/1/2021	0.00014J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-1	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-12	0.00057	n/a	4/1/2021	0.00028J	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-19	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-20	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-3	0.00042	n/a	4/6/2021	0.00031J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-4	0.0025	n/a	4/2/2021	0.00026J	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-5	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-6	0.0025	n/a	4/5/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-7	0.0004	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-8A	0.0046	n/a	4/5/2021	0.0026	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWC-9	0.0025	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.00074J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	4/6/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.00069J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	4/5/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	4/6/2021	0.00088J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0039	n/a	4/2/2021	0.0012J	No	24	n/a	n/a	50	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	4/1/2021	0.00094J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.18	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-11	0.0017	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-19	0.0015	n/a	4/5/2021	0.00014J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-3	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-8A	0.0012	n/a	4/5/2021	0.00034J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	4/2/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	6/2/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-7	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	4/1/2021	0.00049J	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.0012	n/a	4/1/2021	0.0004J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	4/1/2021	0.00073J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	4/1/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	4/6/2021	0.00053J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	4/5/2021	0.00047J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	4/1/2021	0.0022	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	4/5/2021	0.00048J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	4/6/2021	0.0018	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0036	n/a	4/2/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	4/1/2021	0.00042J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	4/5/2021	0.00088J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	4/1/2021	0.00036J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	4/5/2021	0.0058	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	4/1/2021	0.00058J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-15	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-17	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-1	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-11	0.005	n/a	4/1/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-12	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-14	0.0052	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-18	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-19	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-3	0.005	n/a	4/6/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-6	0.007	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-7	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-8A	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-9	0.0065	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-15	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.00027J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-19	0.001	n/a	4/5/2021	0.00032J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-8A	0.001	n/a	4/5/2021	0.00081J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01241	n/a	4/1/2021	0.0078	No	24	0.007244	0.001978	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.009964	n/a	4/1/2021	0.005	No	24	0.06396	0.01374	16.67	Kaplan-Meier	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.02568	n/a	4/1/2021	0.019	No	24	0.01527	0.003991	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.018	n/a	4/1/2021	0.013	No	24	0.01197	0.002311	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01477	n/a	4/1/2021	0.011	No	24	0.01047	0.001648	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0052	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0062	n/a	4/6/2021	0.0028	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-14	0.0062	n/a	4/1/2021	0.0013	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	4/1/2021	0.0081	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	4/5/2021	0.0068	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	4/1/2021	0.014	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	4/5/2021	0.017	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	4/6/2021	0.0075	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	4/2/2021	0.0081	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	4/1/2021	0.0027	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	4/5/2021	0.0091	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	4/1/2021	0.014	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	4/5/2021	0.0023	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	4/1/2021	0.0095	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	4/1/2021	0.0034J	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	4/6/2021	0.004J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.0065	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	4/6/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	4/2/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	4/1/2021	0.005ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.051	n/a	4/5/2021	0.028	No	90	n/a	n/a	2.222	n/a	n/a	0.0002346	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP

Appendix I Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-26	-146	No	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-15 (bg)	0	-11	-146	No	30	96.67	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-16	-146	No	30	90	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-3	-146	No	30	93.33	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0.0004765	83	146	No	30	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	18	111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-18	-111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	19	111	No	25	88	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-2	0	5	111	No	25	92	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-17	0.08	n/a	4/1/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	4/1/2021	0.053J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	4/6/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	4/6/2021	0.078J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6172	n/a	4/1/2021	0.23	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	4/5/2021	0.042J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3262	n/a	4/5/2021	0.18	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.1305	n/a	4/1/2021	0.059J	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.463	n/a	4/1/2021	4	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	14.38	n/a	4/1/2021	12	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.711	n/a	4/1/2021	7.8	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	20.62	n/a	4/1/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	21.64	n/a	4/1/2021	19	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.09	n/a	4/1/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.581	n/a	4/1/2021	1.2	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	9.036	n/a	4/6/2021	7.4	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.744	n/a	4/1/2021	6.2	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.05	n/a	4/1/2021	11	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-19	15.99	n/a	4/5/2021	15	No	15	11.46	1.718	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-2	20.61	n/a	4/1/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.02	n/a	4/5/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.1	n/a	4/6/2021	7.4	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	16.56	n/a	4/2/2021	15	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	222.5	n/a	4/1/2021	40	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.67	n/a	4/5/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.33	n/a	4/1/2021	15	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	19.78	n/a	4/1/2021	16	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-16	2.089	n/a	4/1/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.117	n/a	4/1/2021	1.5	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.775	n/a	4/1/2021	4.2	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	2.109	n/a	4/1/2021	1.9	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.15	n/a	4/1/2021	2	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	1.976	n/a	4/6/2021	1.8	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-18	2.9	n/a	4/1/2021	2.8	No	15	2.515	0.1457	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-2	2.66	n/a	4/1/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.425	n/a	6/1/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	4.015	n/a	4/6/2021	2.9	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	15.93	n/a	4/2/2021	11	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	100	n/a	4/1/2021	18	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	9.041	n/a	6/2/2021	6.3	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	10.77	n/a	6/1/2021	9.4	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-9	4.39	n/a	4/1/2021	4.3	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWA-15	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	4/1/2021	0.035J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1091	n/a	4/1/2021	0.081J	No	15	0.006016	0.00223	33.33	Kaplan-Meier	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-10	0.088	n/a	4/1/2021	0.086J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	4/6/2021	0.026J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	4/1/2021	0.041J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	6/1/2021	0.026J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	4/1/2021	0.043J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	6/1/2021	0.033J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.091	n/a	4/6/2021	0.045J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1466	n/a	4/2/2021	0.097J	No	15	0.009818	0.004428	0	None	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	4/1/2021	0.029J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	6/2/2021	0.038J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	4/1/2021	0.072J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2241	n/a	6/1/2021	0.034J	No	14	0.1081	0.04297	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-9	0.096	n/a	4/1/2021	0.072J	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.761	5.24	4/1/2021	5.31	No	18	5.501	0.1037	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-16	6.563	6.191	4/1/2021	6.44	No	18	6.377	0.07404	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-17	6.338	5.628	4/1/2021	6.14	No	18	5.983	0.1415	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-1	6.745	6.3	4/1/2021	6.52	No	18	6.522	0.08869	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	6.659	6.027	4/1/2021	6.35	No	18	6.343	0.1259	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.354	5.988	4/1/2021	6.11	No	17	6.171	0.07184	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	5.433	4.859	4/1/2021	5.18	No	18	5.146	0.1143	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	6.052	5.659	4/6/2021	5.95	No	19	6.960	466.8	0	None	x*5	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-14	5.903	5.332	4/1/2021	5.53	No	17	5.617	0.1122	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-18	6.46	6.164	4/1/2021	6.37	No	18	6.312	0.05897	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-20	6.664	6.342	6/1/2021	6.39	No	18	6.503	0.06408	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-3	6.201	5.69	4/6/2021	6.01	No	18	5.946	0.1019	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-4	6.591	5.971	4/2/2021	6.35	No	18	39.54	1.551	0	None	x*2	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-5	6.158	5.348	4/1/2021	6.01	No	18	5.753	0.1613	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-6	6.43	6.09	6/2/2021	6.09	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-7	6.42	5.96	4/1/2021	6.4	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.26	6.24	6/1/2021	6.28	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	3.1	n/a	4/1/2021	2.7	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-11	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	1.3	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	1.3	n/a	4/6/2021	0.9J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	4/6/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.288	n/a	4/2/2021	4.6	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	490	n/a	4/1/2021	100	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	17.41	n/a	6/2/2021	13	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	55.93	n/a	6/1/2021	17	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	16.91	n/a	4/1/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	76.79	n/a	4/1/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	153.2	n/a	4/1/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	132.7	n/a	4/1/2021	68	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	164.7	n/a	4/1/2021	120	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.4	n/a	4/1/2021	140	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	293	n/a	4/1/2021	90	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	94.94	n/a	4/1/2021	17	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	119.3	n/a	4/6/2021	55	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	103	n/a	4/1/2021	43	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	120.6	n/a	4/1/2021	62	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	164.4	n/a	6/1/2021	130	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	192.3	n/a	4/1/2021	120	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	146.1	n/a	6/1/2021	120	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	112.1	n/a	4/6/2021	81	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	166.6	n/a	4/2/2021	150	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1654	n/a	4/1/2021	260	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	183.8	n/a	6/2/2021	140	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	155.6	n/a	4/1/2021	110	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	404	n/a	6/1/2021	340	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	205.7	n/a	4/1/2021	120	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-10	7	n/a	4/1/2021	4.4	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-14	7	n/a	4/1/2021	3.8	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-19	7	n/a	6/1/2021	2.6	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-7	7	n/a	4/1/2021	2.9	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	6/1/2021	6.18	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
pH, Field (S.U.)	GWC-9	6.52	5.27	4/1/2021	6.28	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	4/1/2021	2.7	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	6/1/2021	1.9	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	3.1	n/a	4/1/2021	1.1	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	3.1	n/a	6/1/2021	1.4	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP

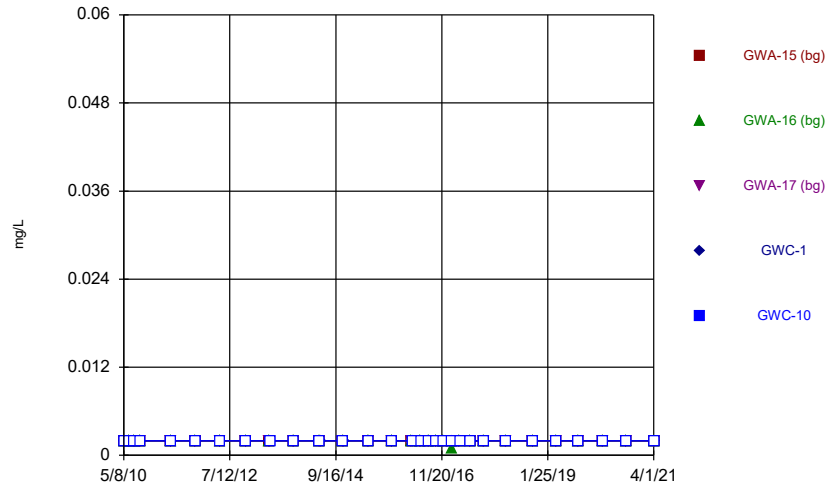
Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWA-15 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.21	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-15 (bg)	0.1125	39	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.0718	-45	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-14	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	5	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0.03647	33	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.0286	-61	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04076	69	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01609	-52	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-2	-0.02613	-26	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-9	0.03008	31	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0.1912	36	58	No	16	50	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-11	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-28	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-19	0	16	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-2	0	4	58	No	16	62.5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-20	0	-4	-58	No	16	81.25	n/a	n/a	0.01	NP

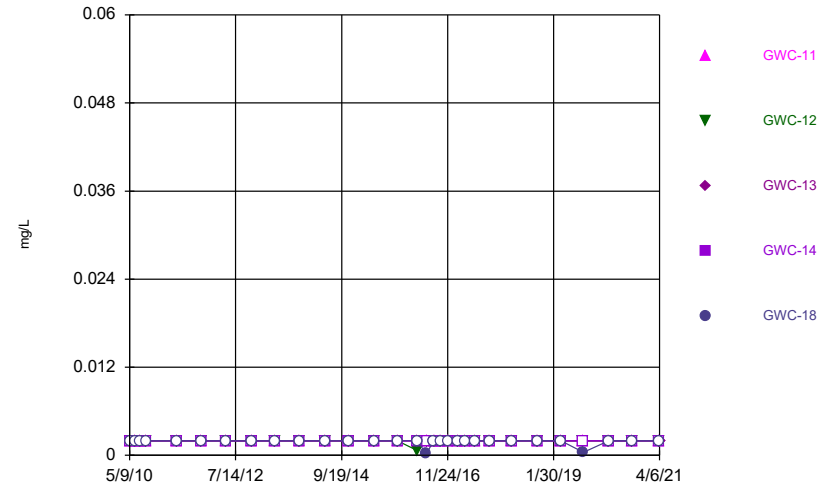
FIGURE A.

Time Series



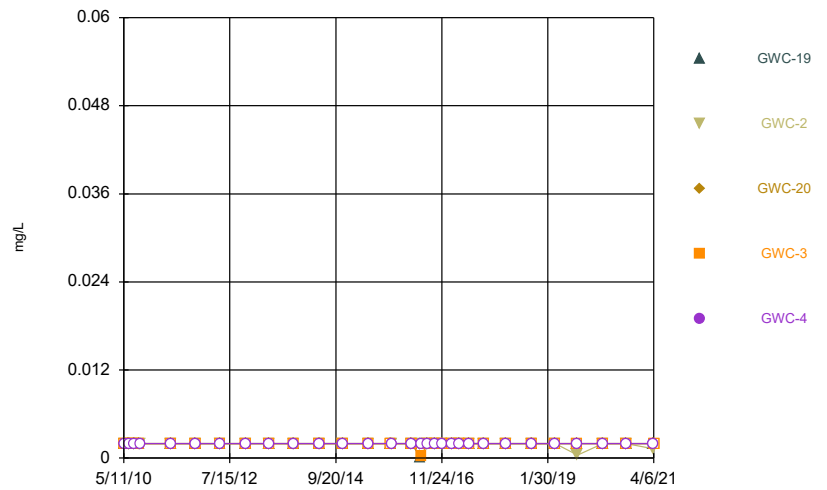
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Time Series



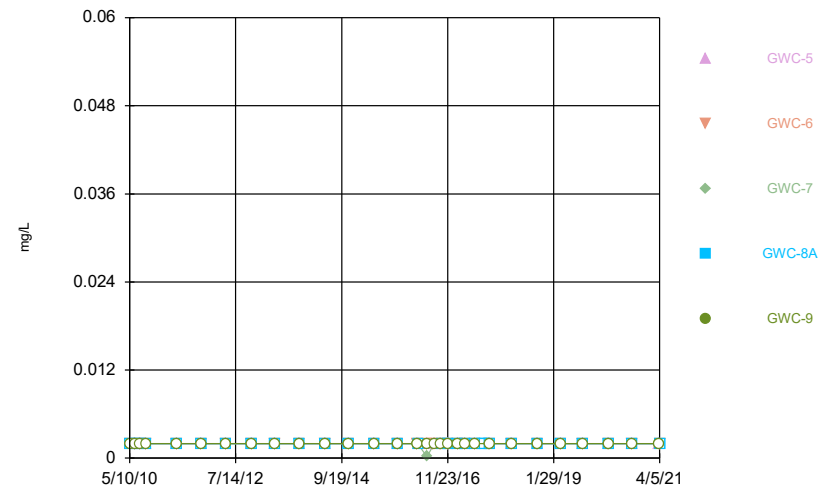
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Time Series



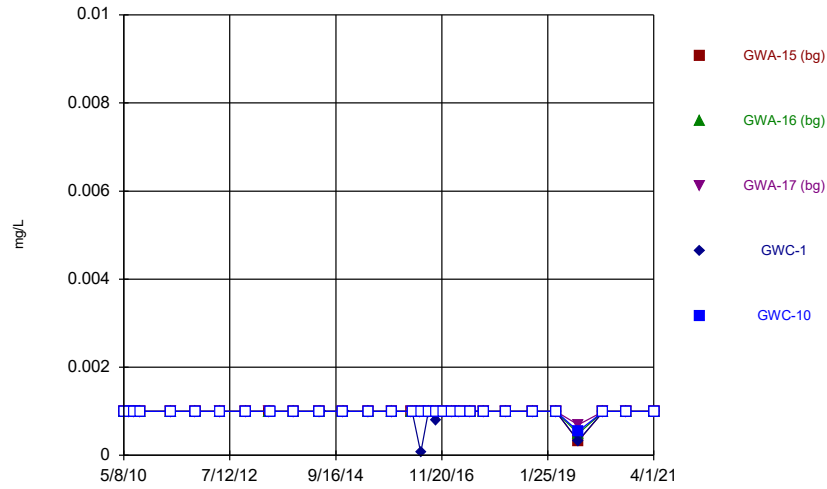
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Time Series



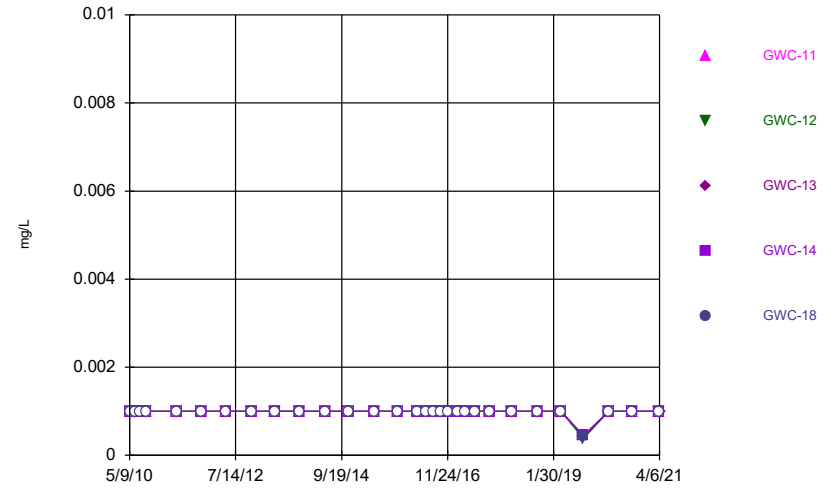
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Time Series



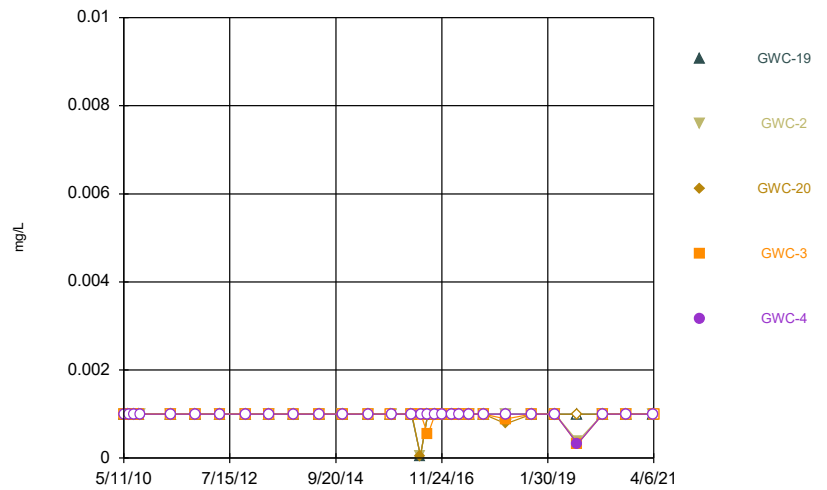
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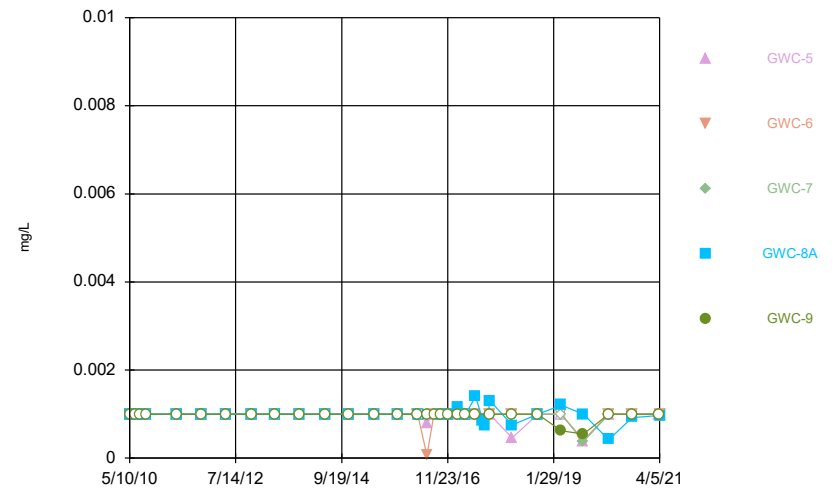
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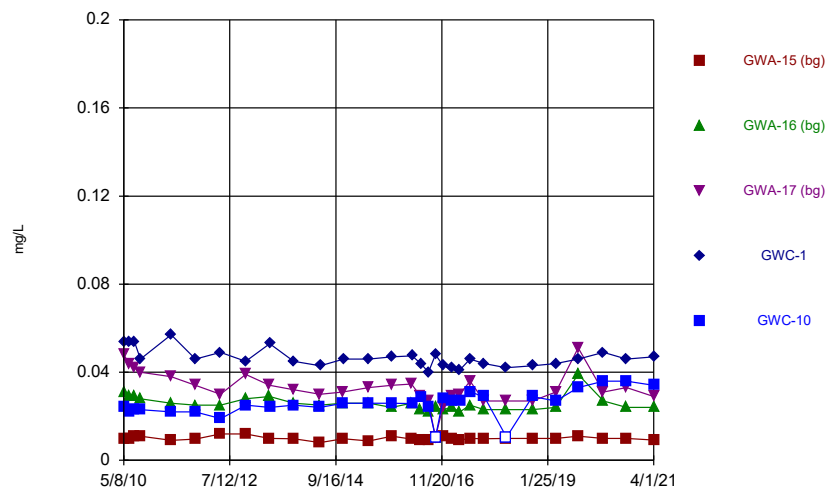
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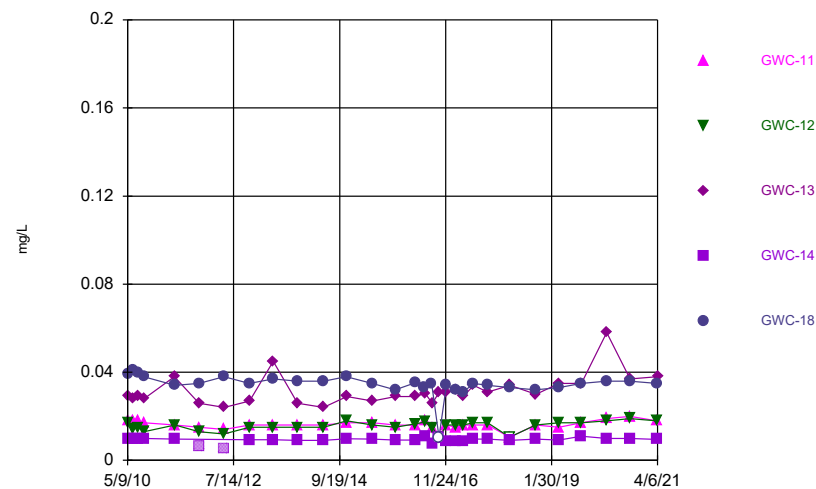
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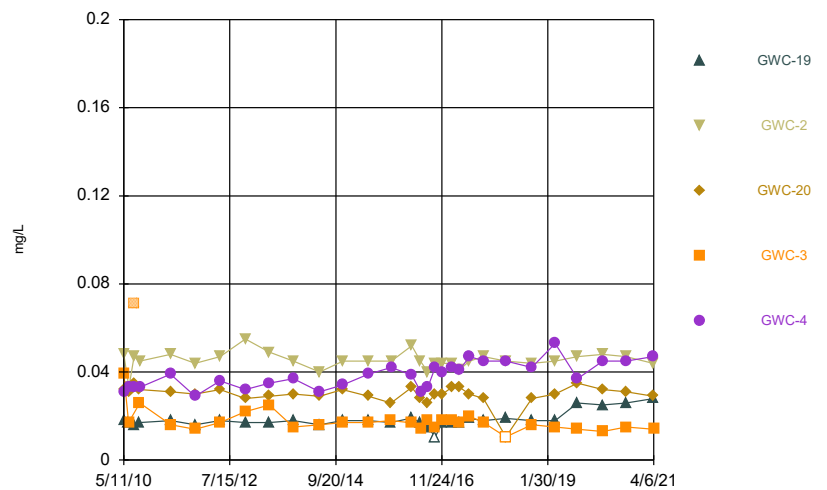
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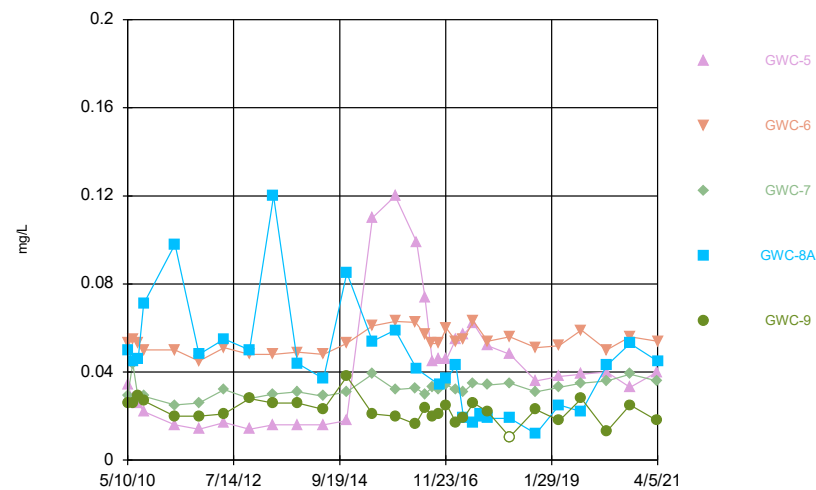
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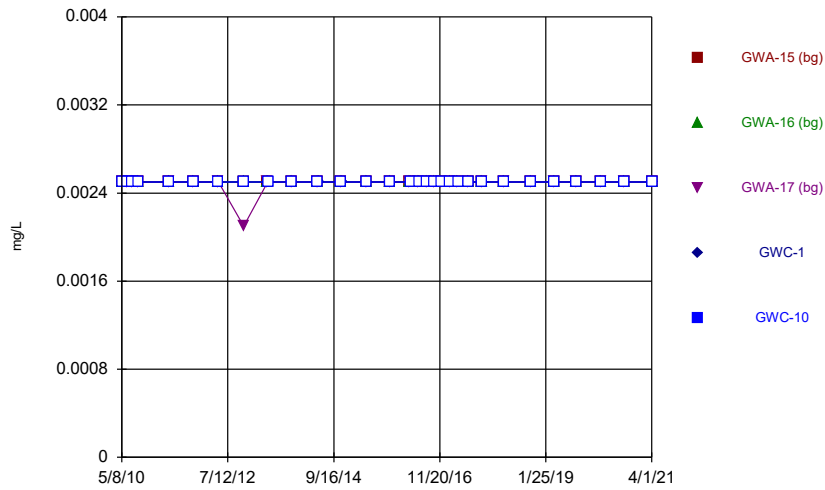
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Time Series



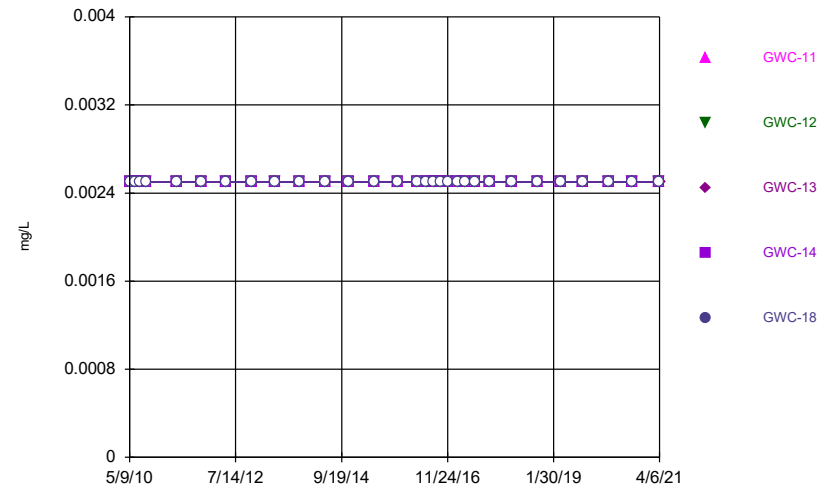
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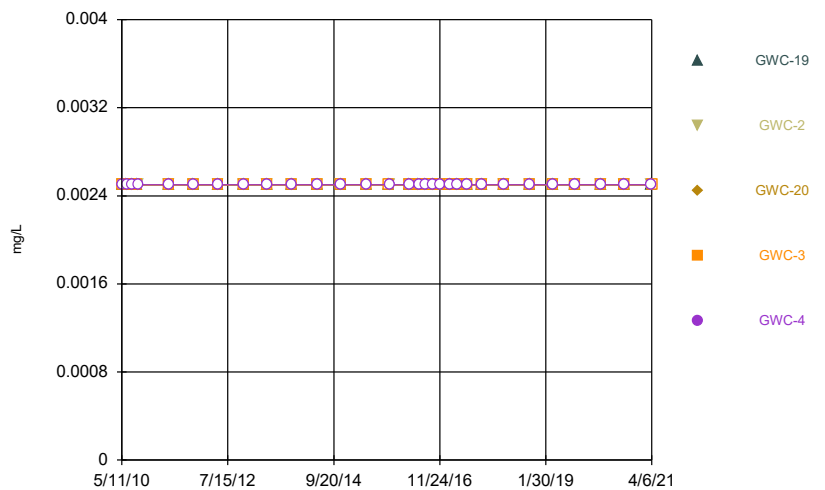
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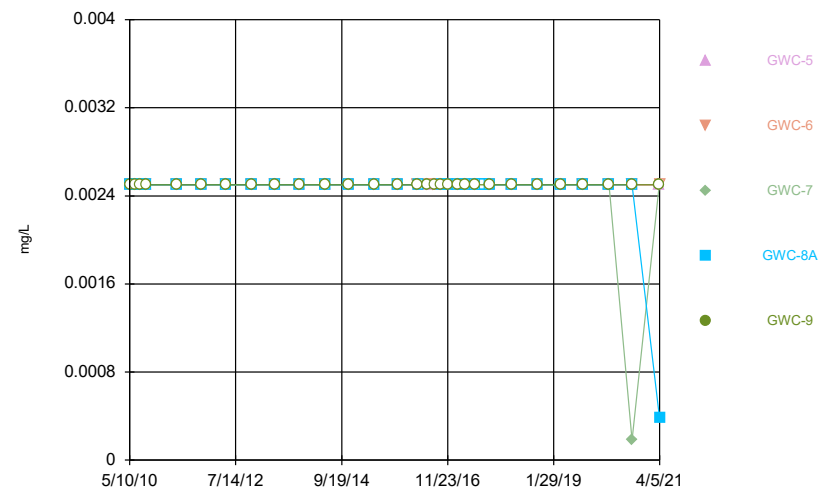
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Time Series



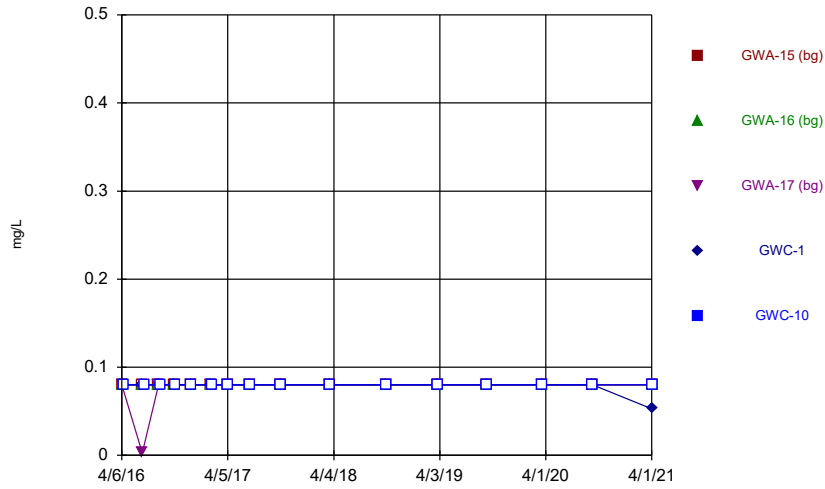
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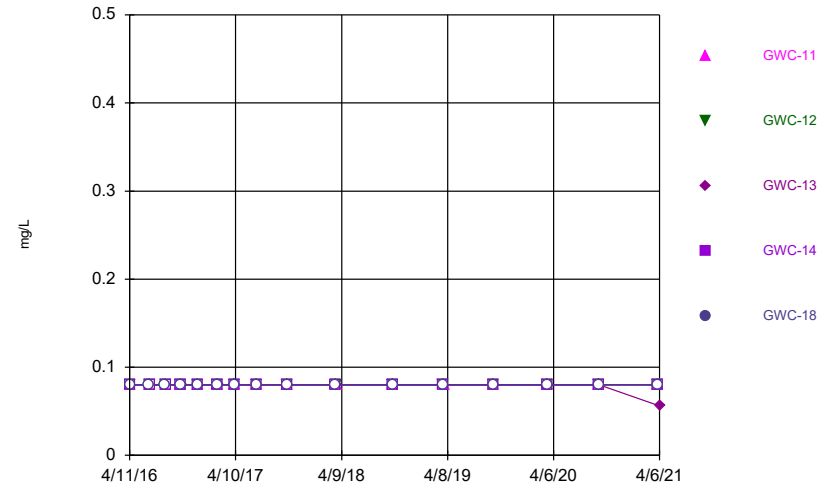
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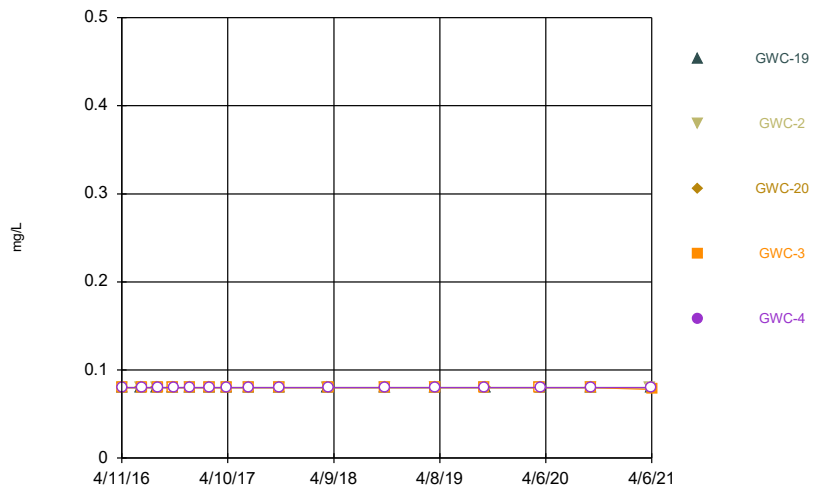
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Time Series



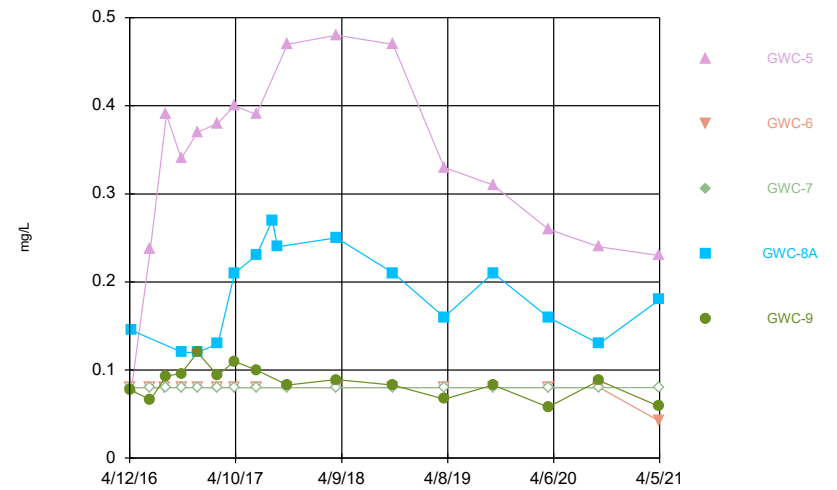
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Time Series



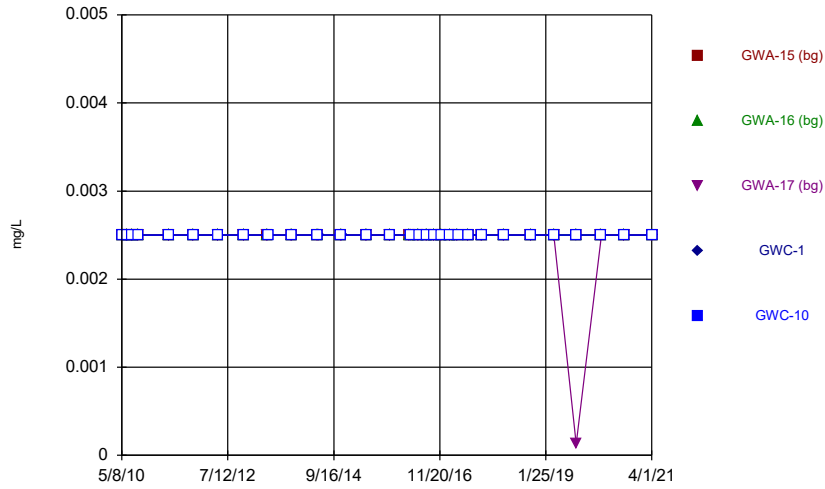
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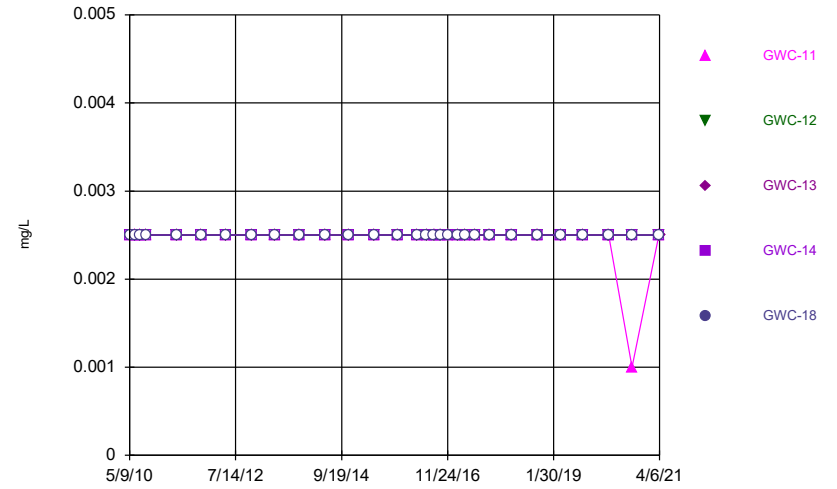
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Time Series



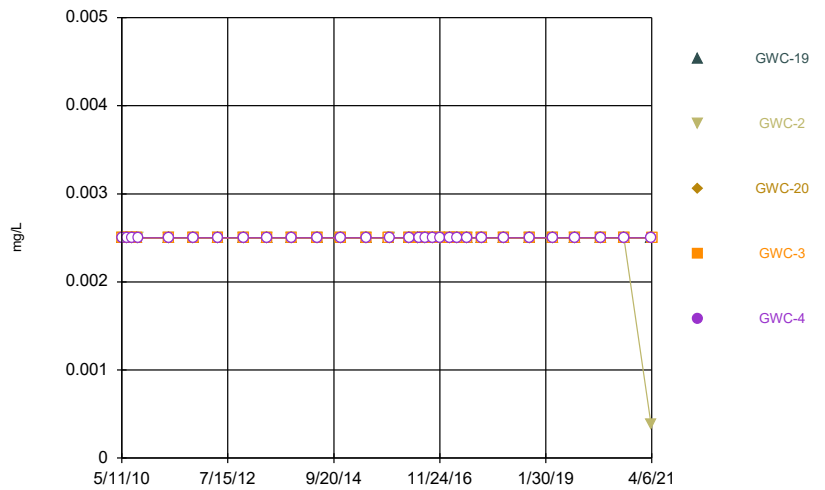
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Time Series



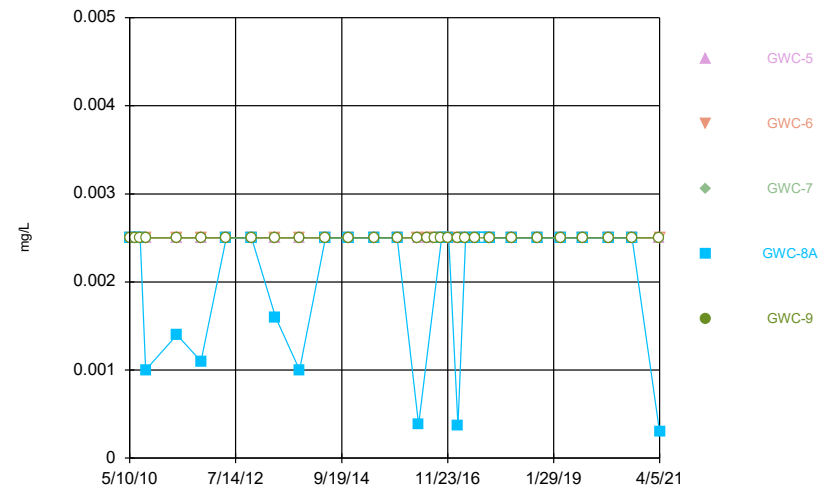
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Time Series



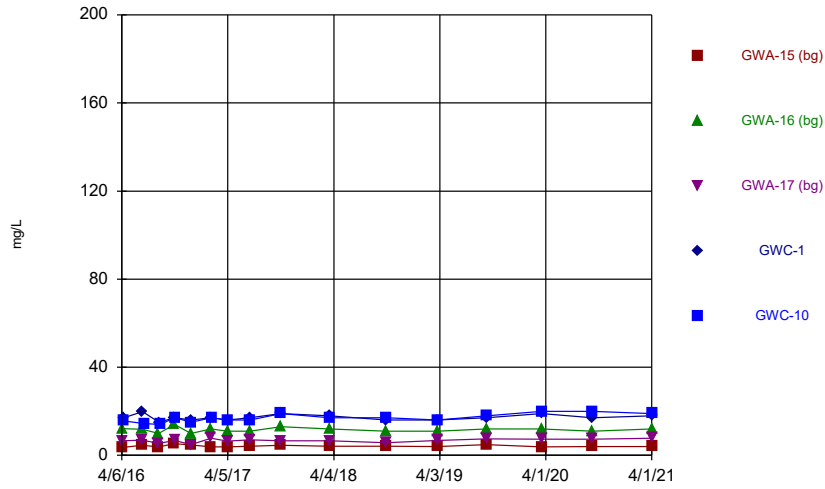
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Time Series

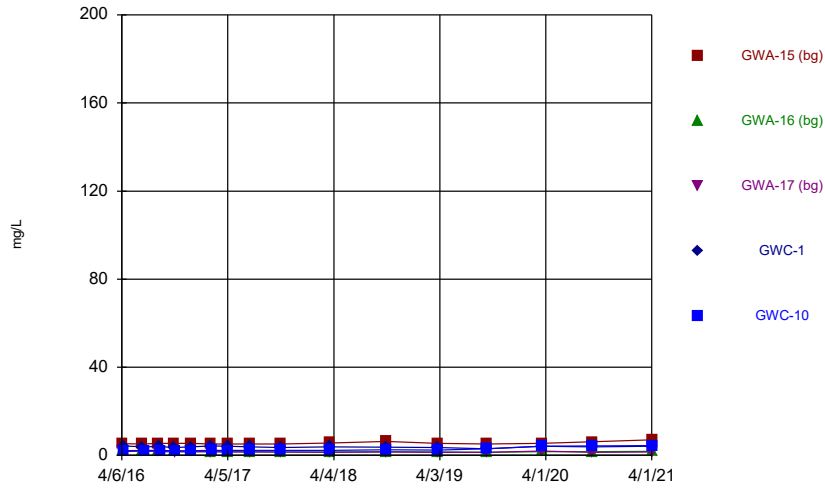


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Time Series

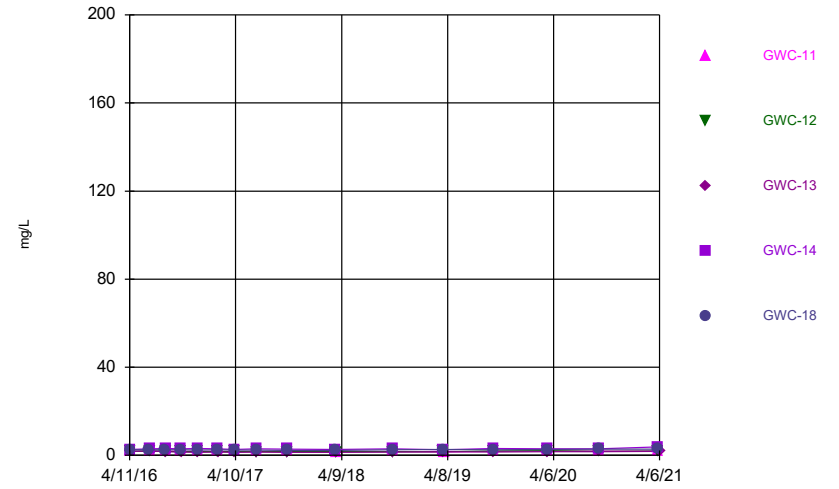


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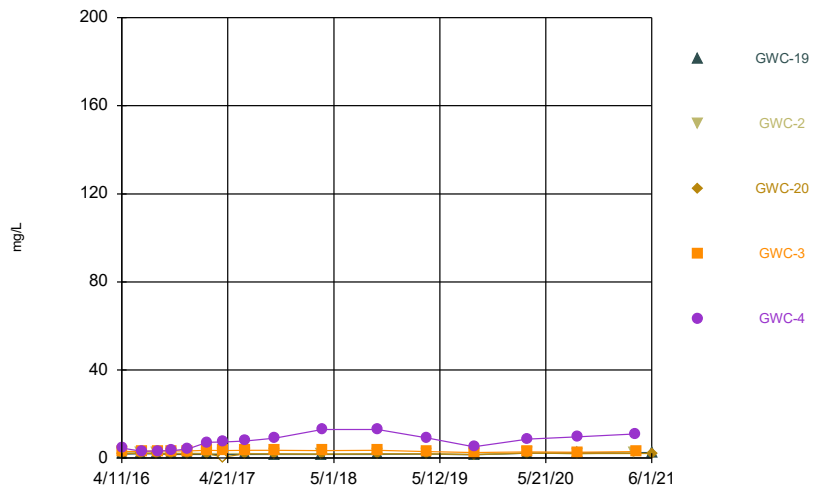
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



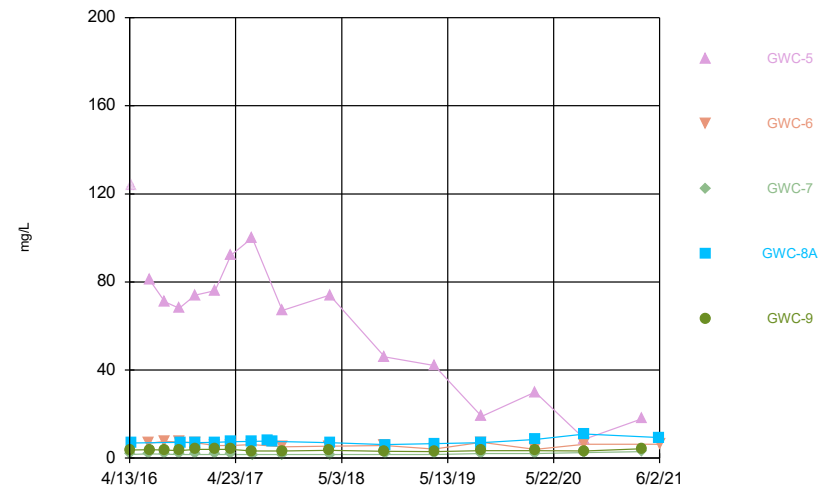
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Time Series



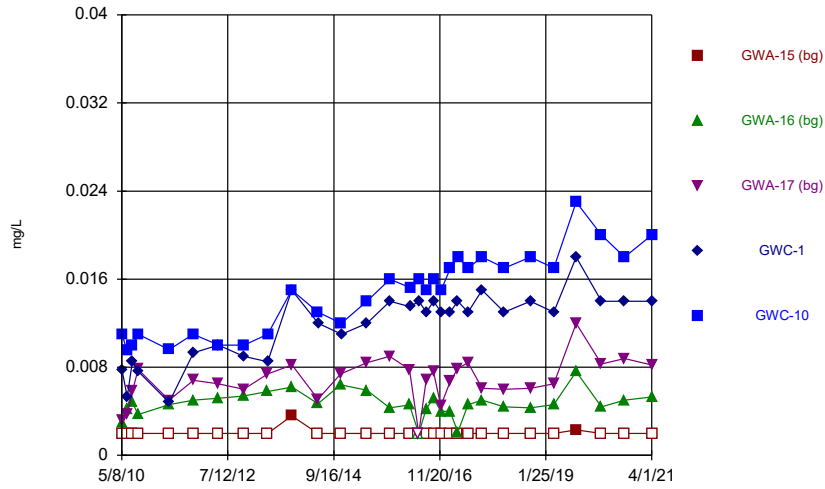
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Time Series



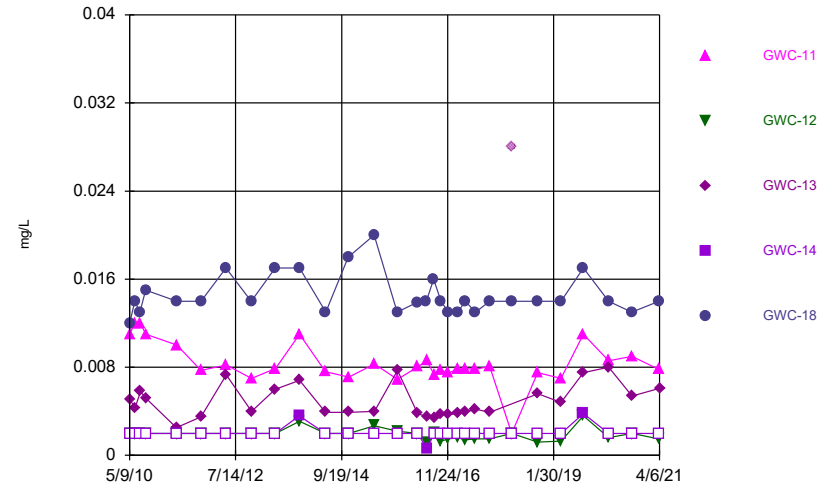
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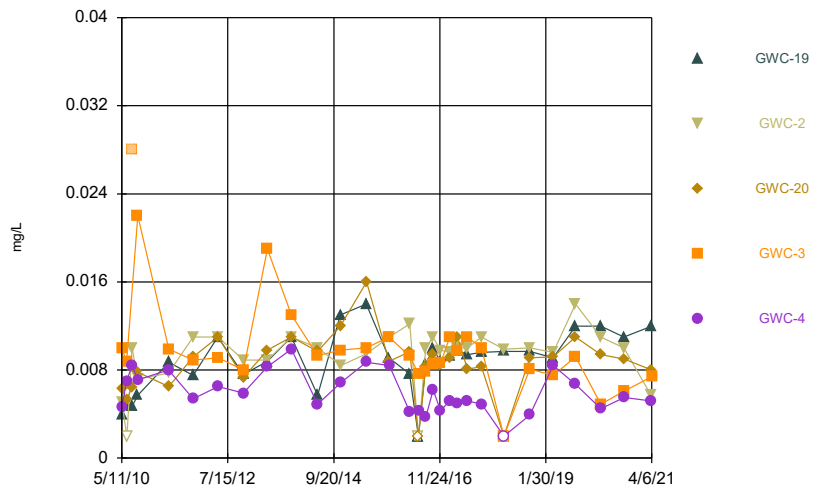
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Time Series



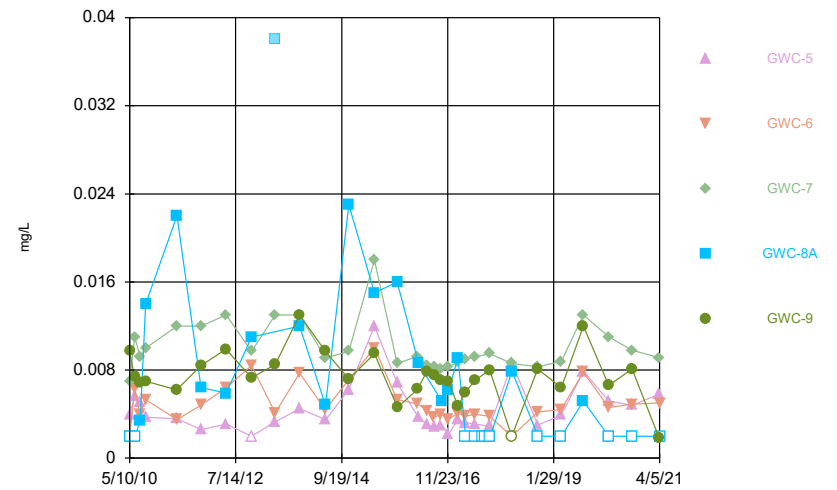
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Time Series



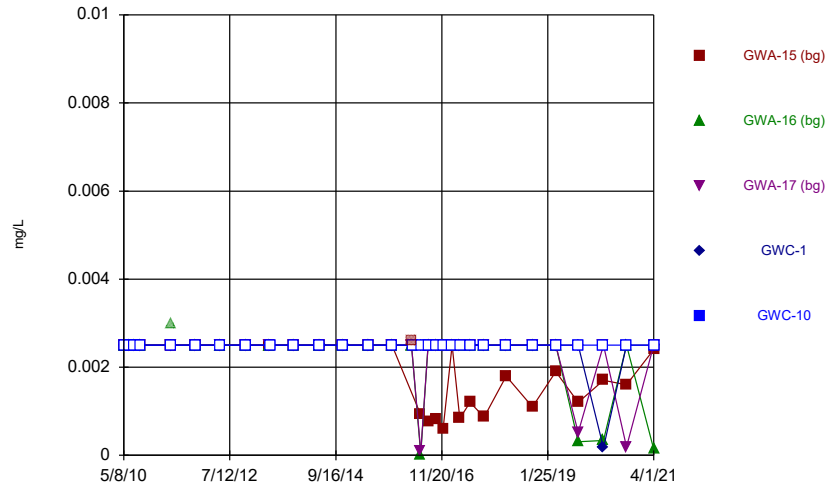
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Time Series



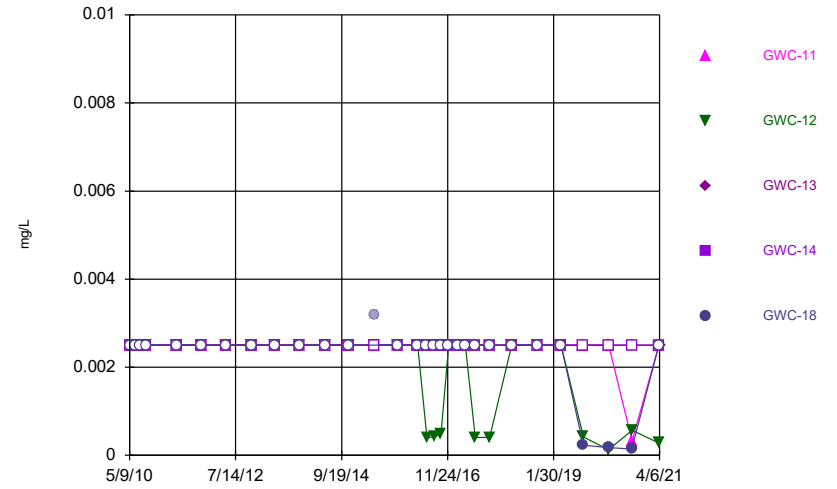
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Time Series



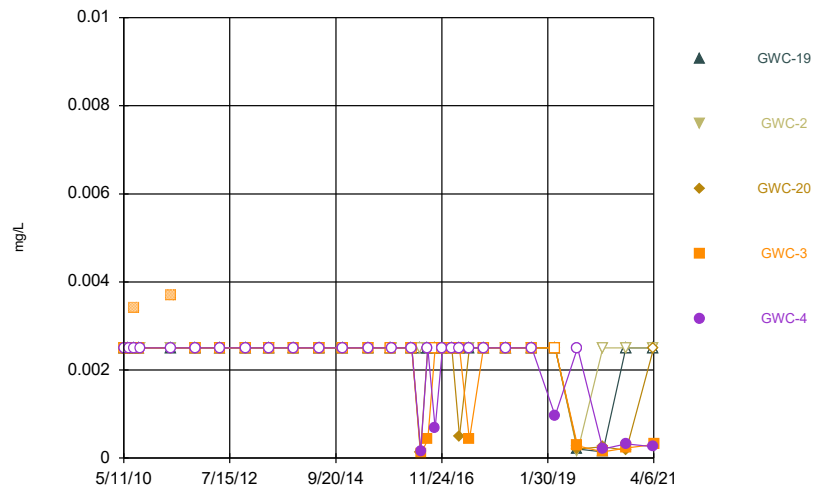
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



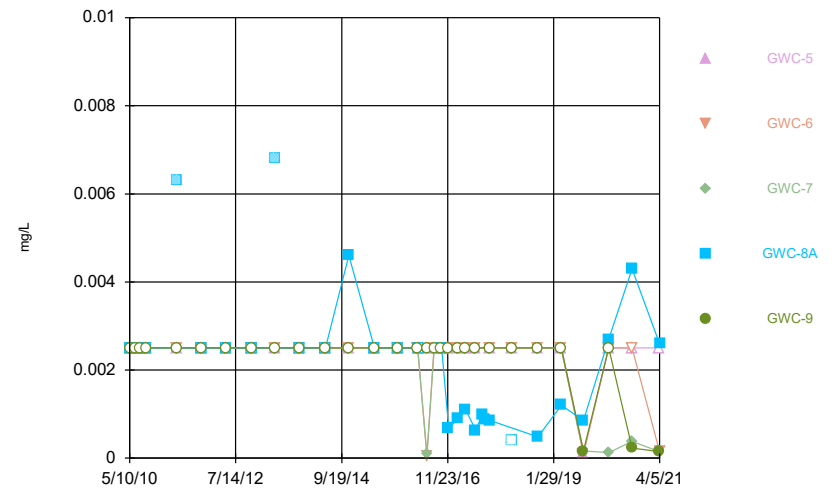
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



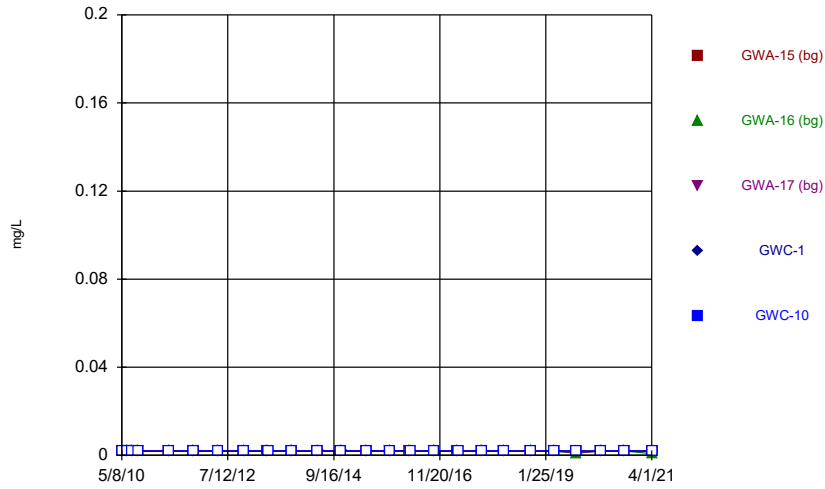
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



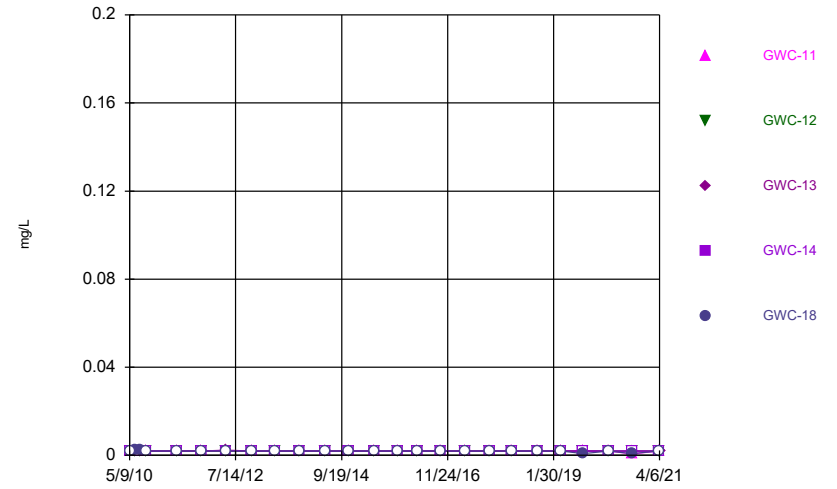
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



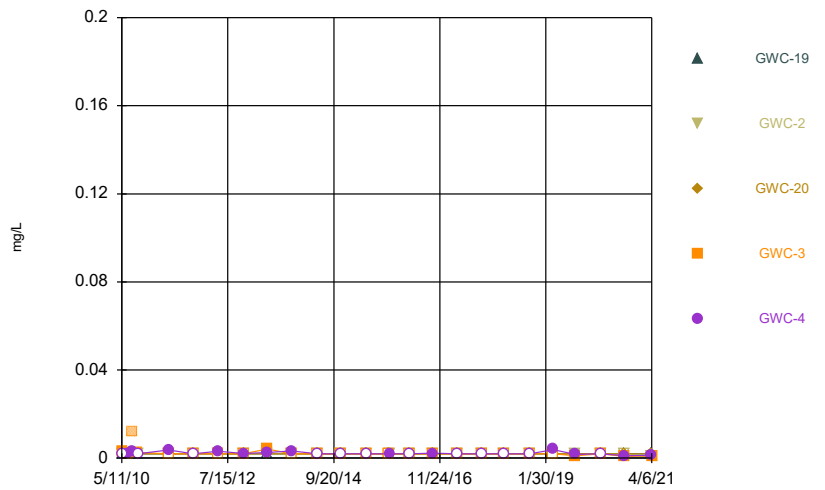
Constituent: Copper Analysis Run 6/24/2021 10:02 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



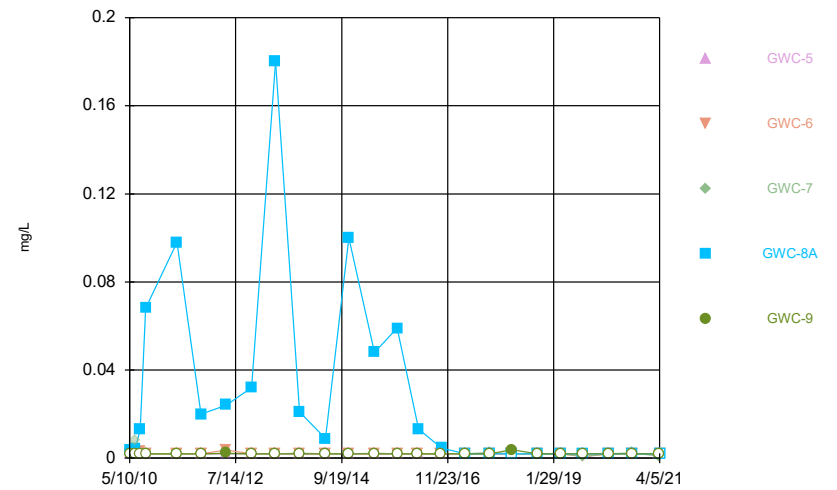
Constituent: Copper Analysis Run 6/24/2021 10:02 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



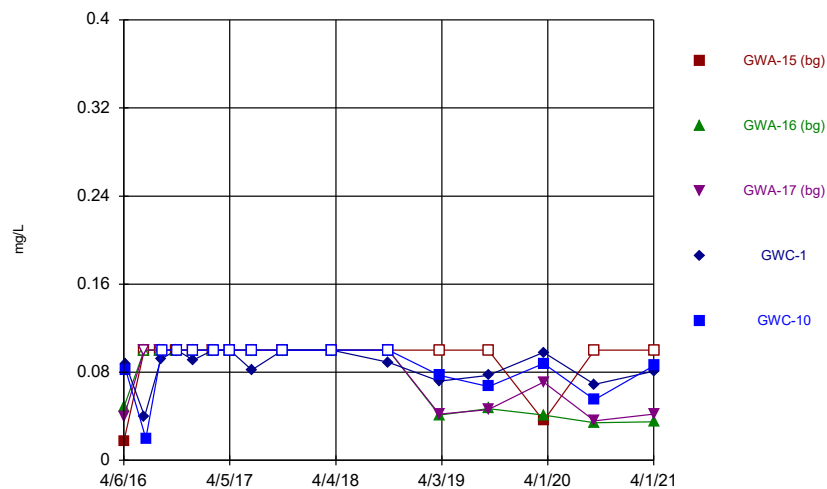
Constituent: Copper Analysis Run 6/24/2021 10:02 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series

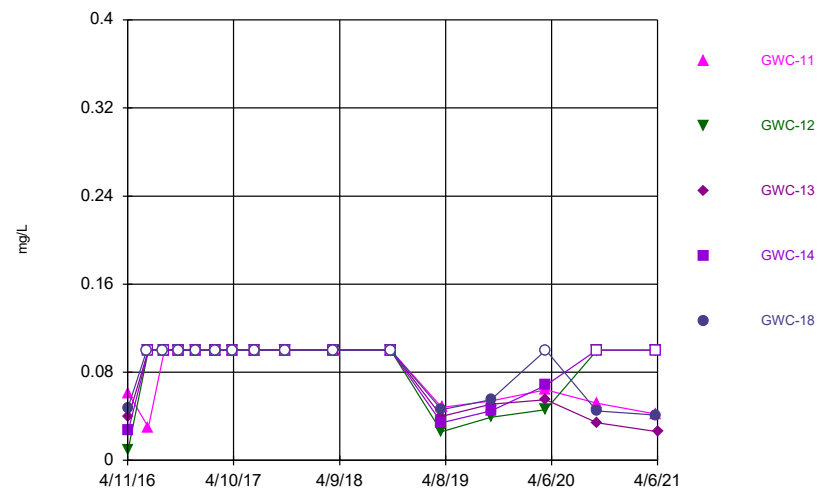


Constituent: Copper Analysis Run 6/24/2021 10:02 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

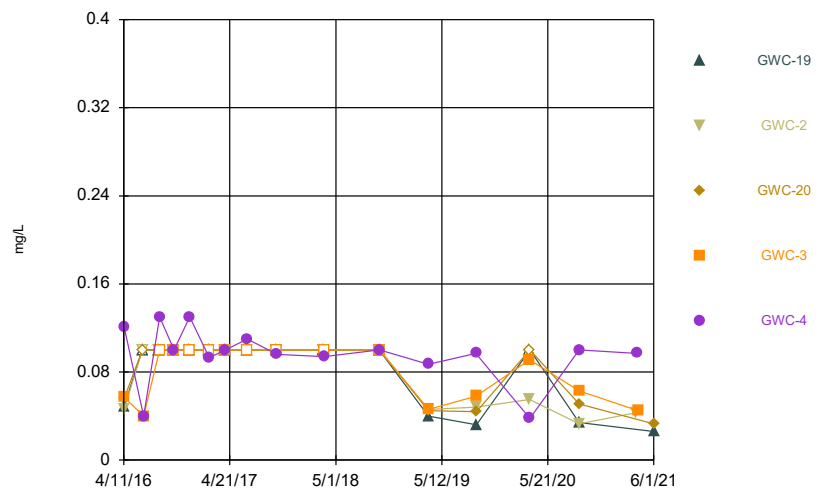
Time Series



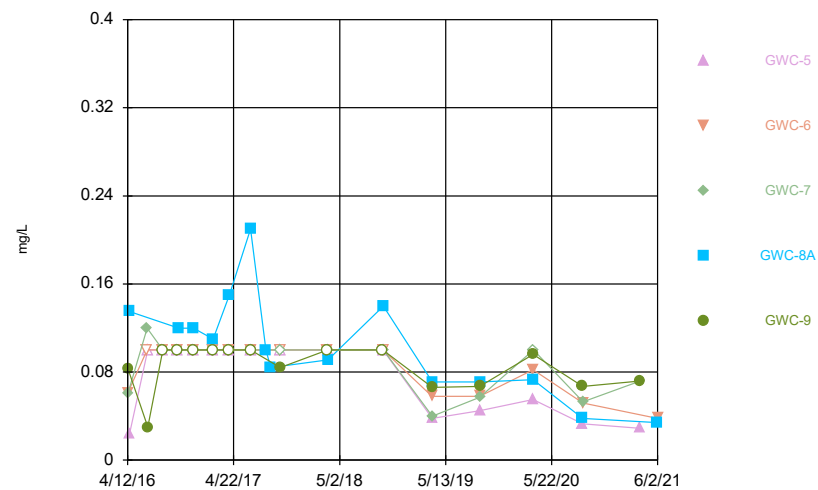
Time Series



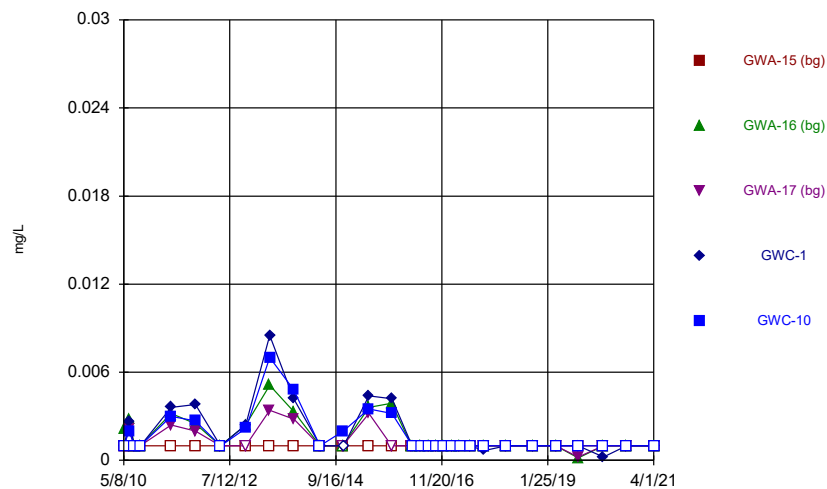
Time Series



Time Series

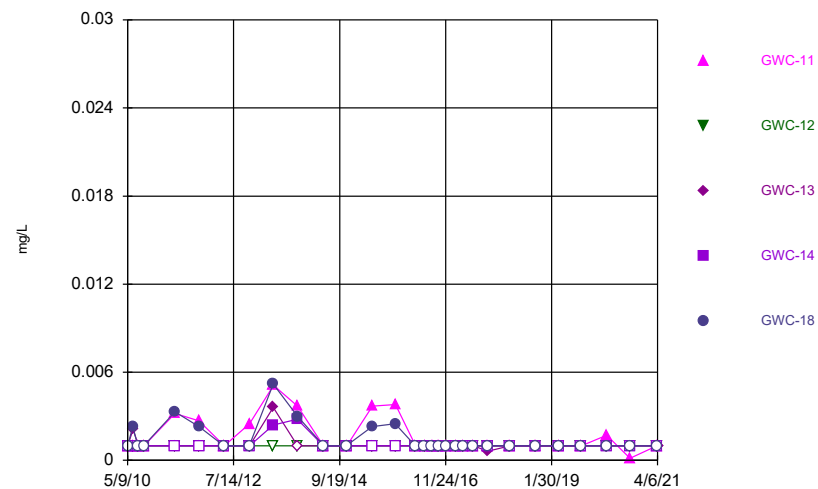


Time Series



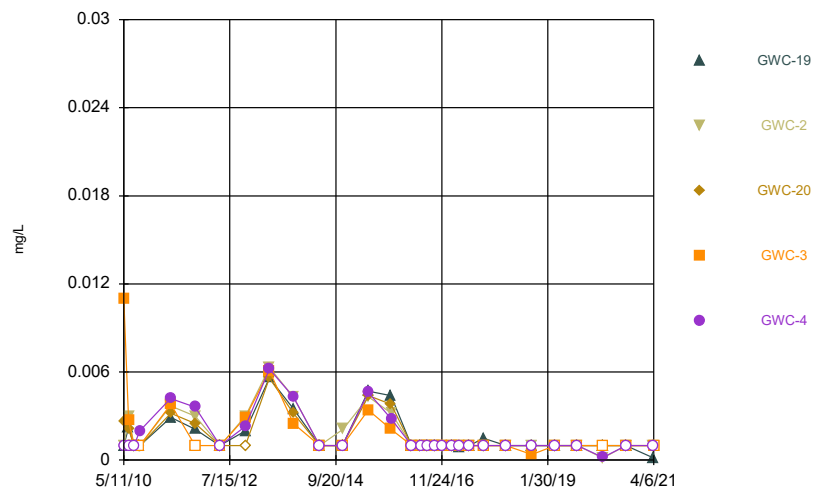
Constituent: Lead, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



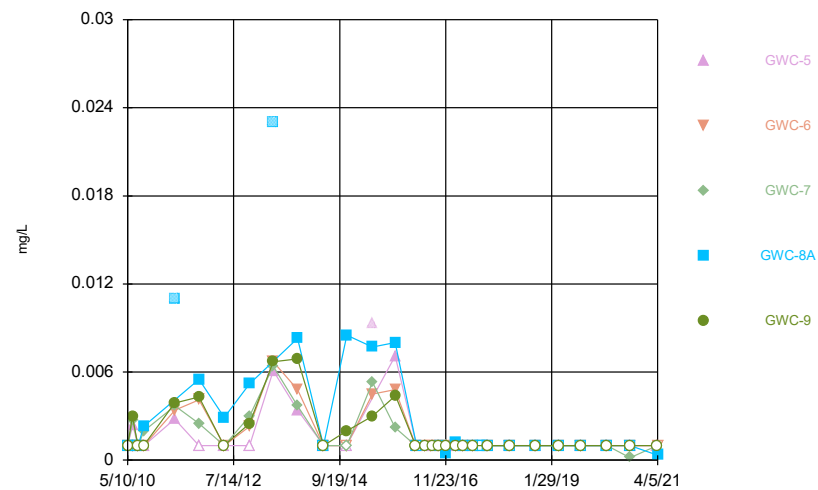
Constituent: Lead, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



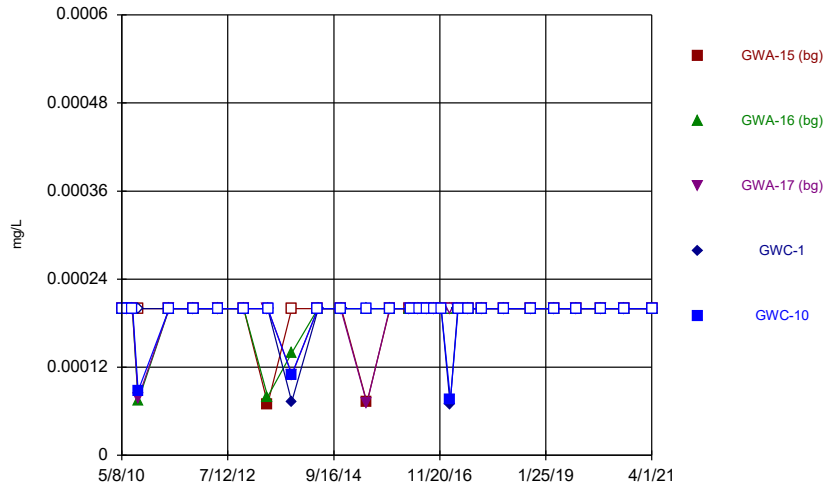
Constituent: Lead, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



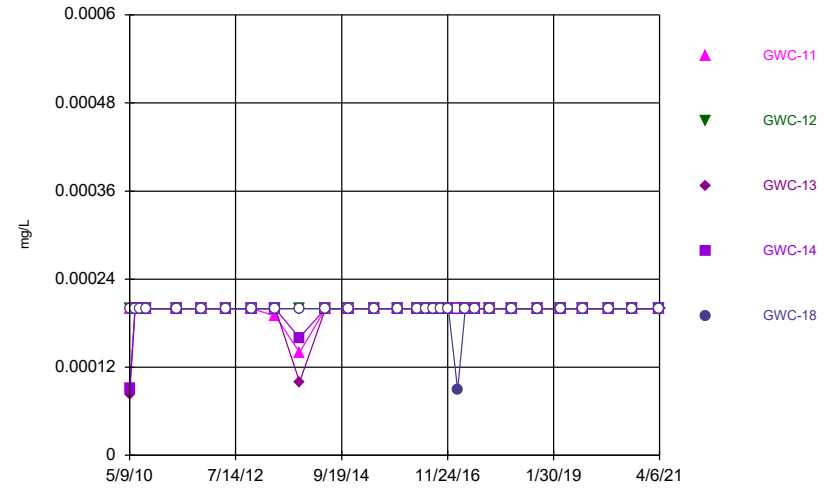
Constituent: Lead, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



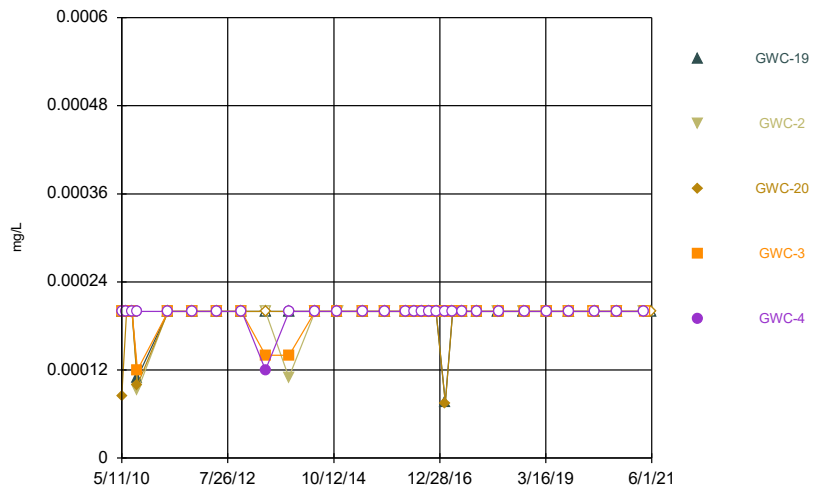
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



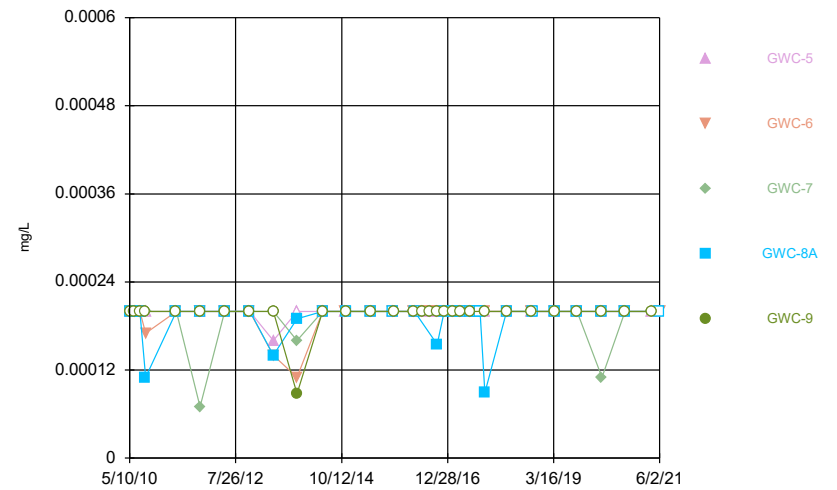
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



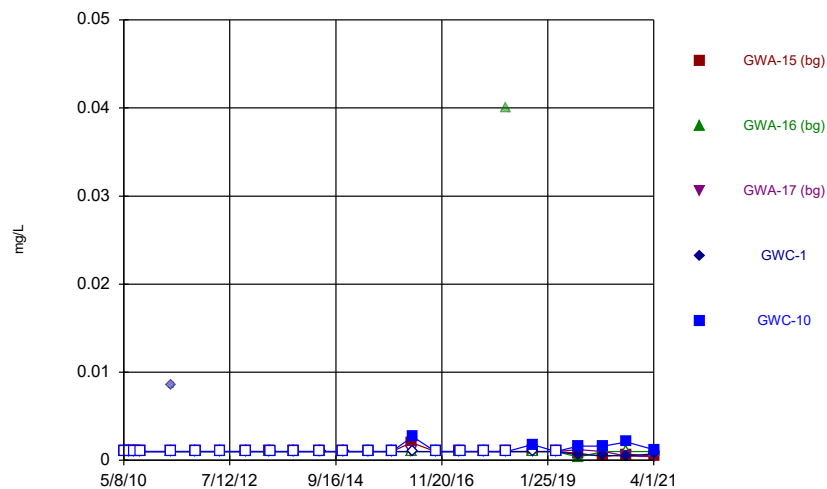
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



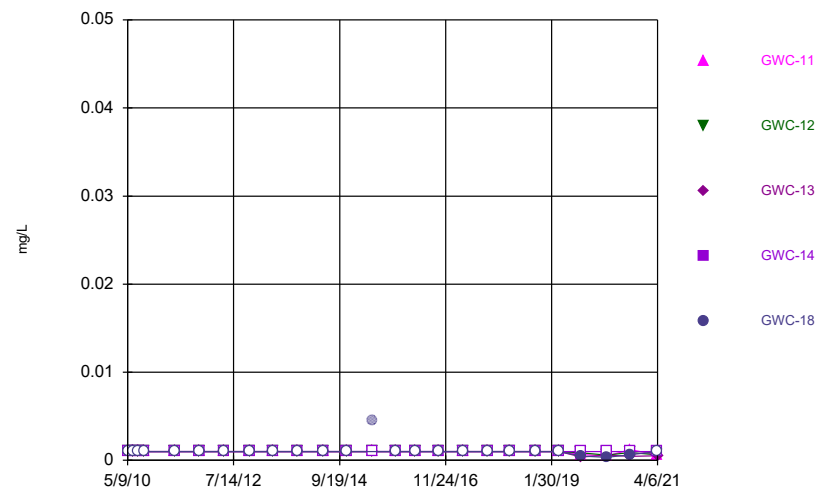
Constituent: Mercury Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



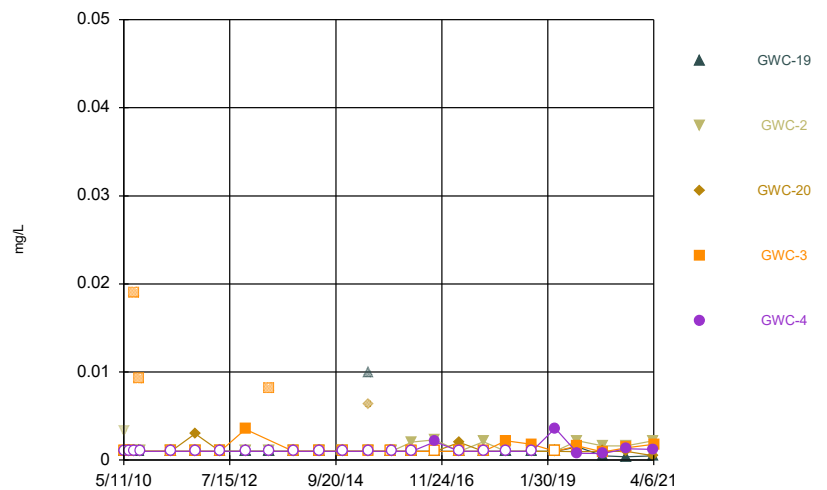
Constituent: Nickel Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



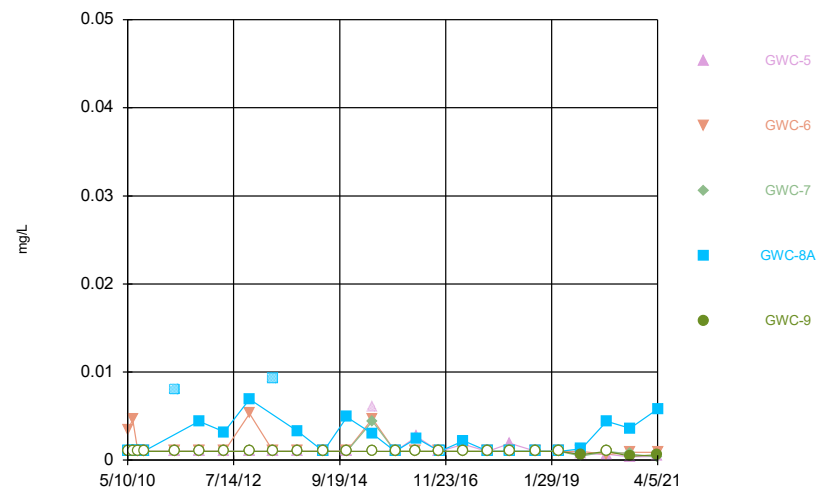
Constituent: Nickel Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



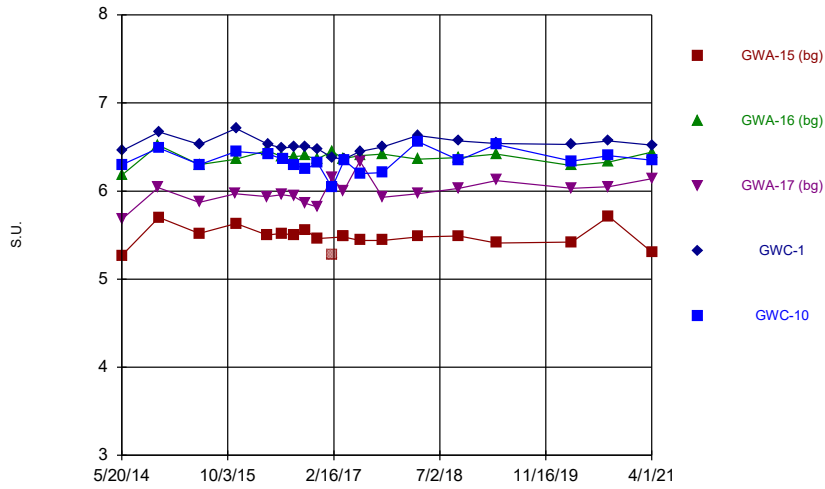
Constituent: Nickel Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



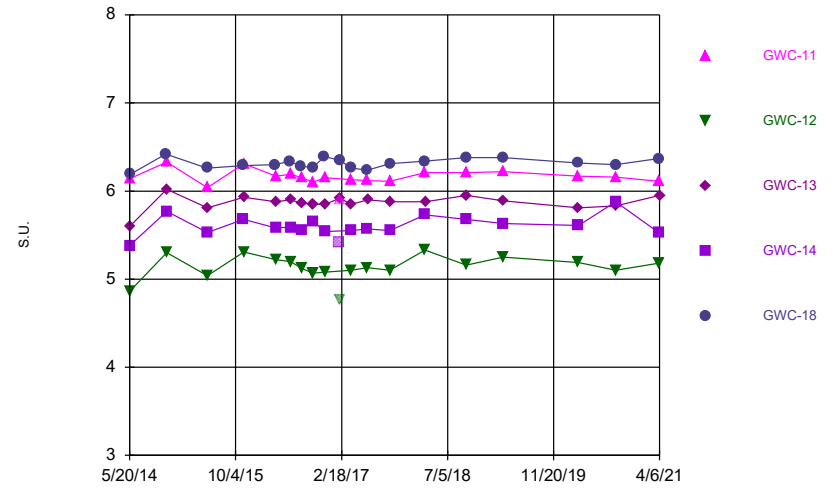
Constituent: Nickel Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



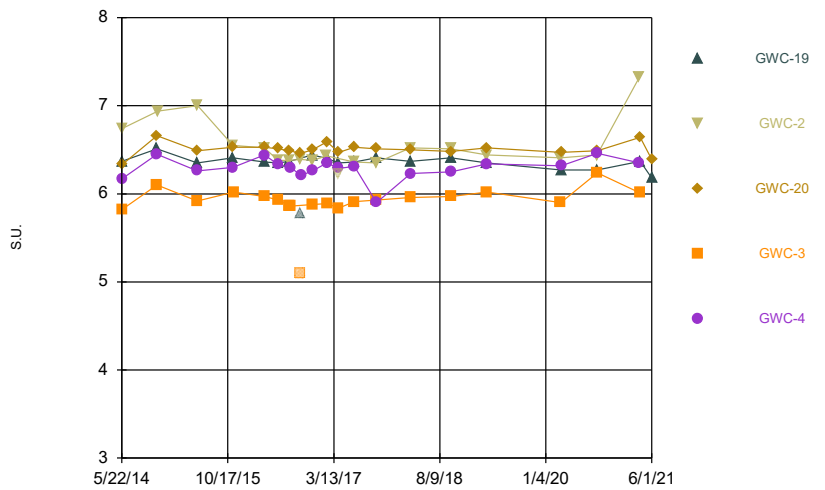
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



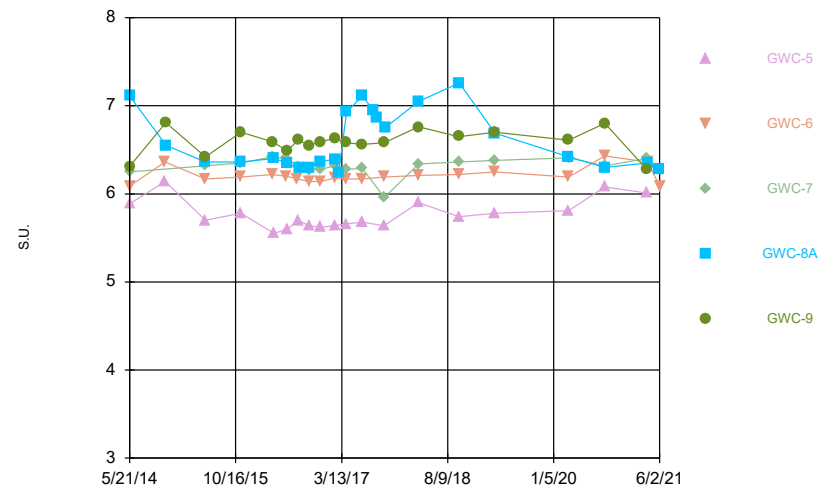
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



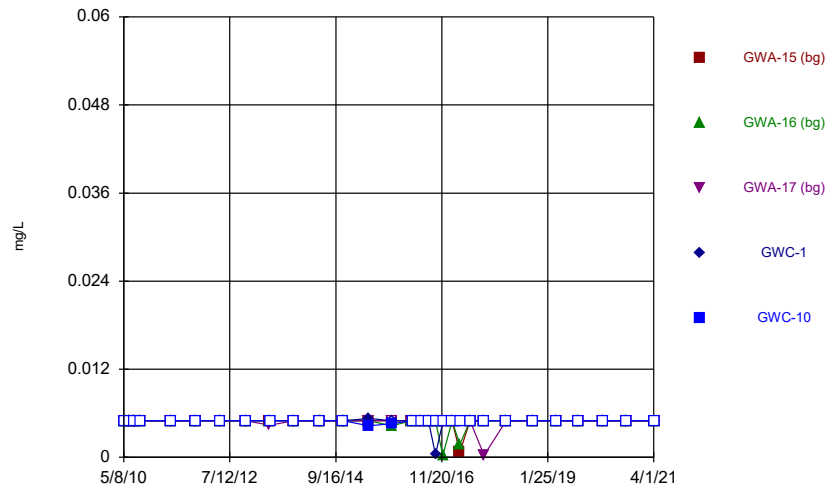
Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series

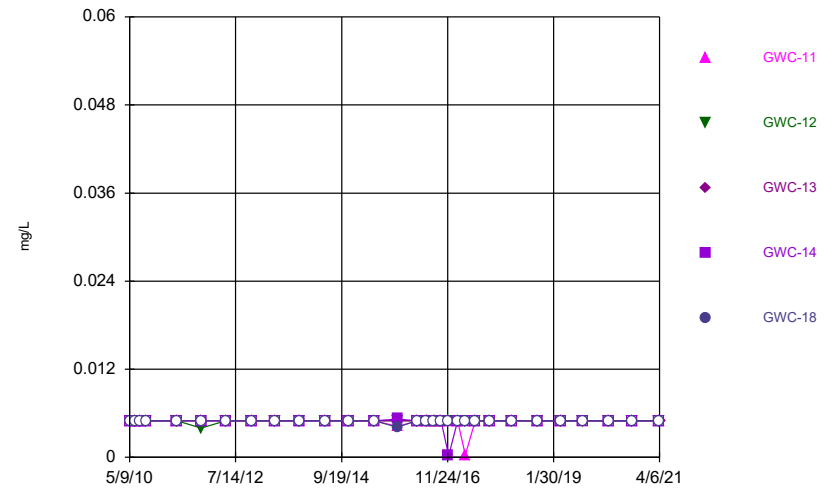


Constituent: pH, Field Analysis Run 6/24/2021 10:03 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

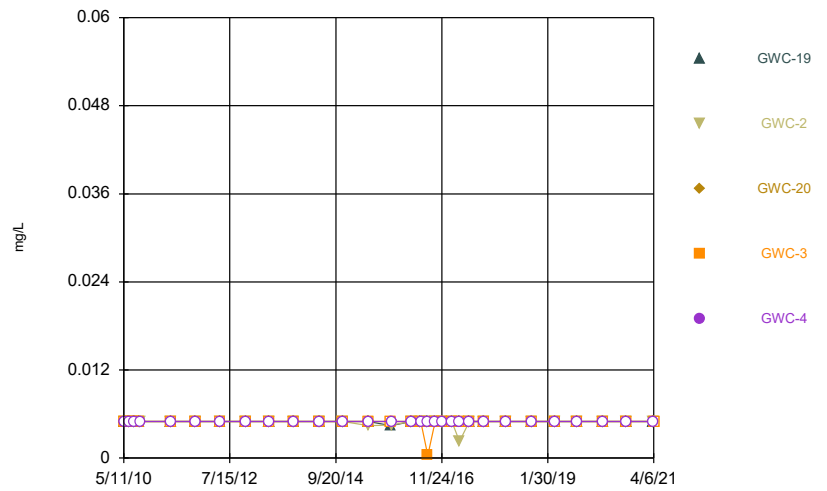
Time Series



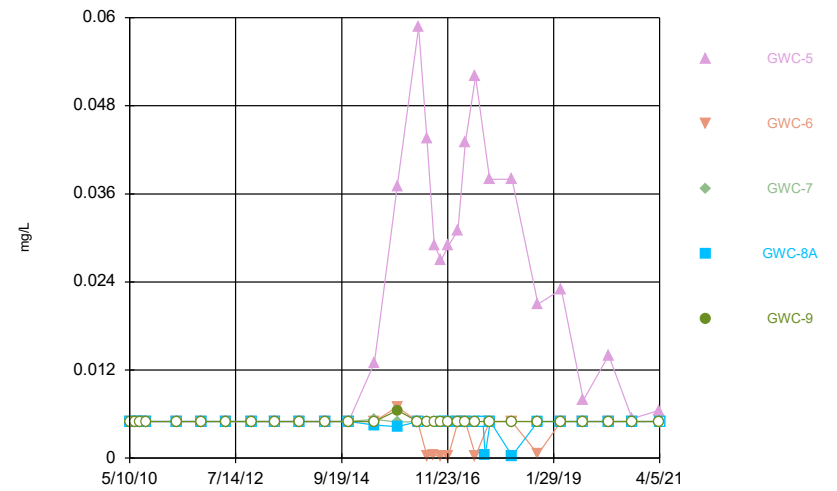
Time Series



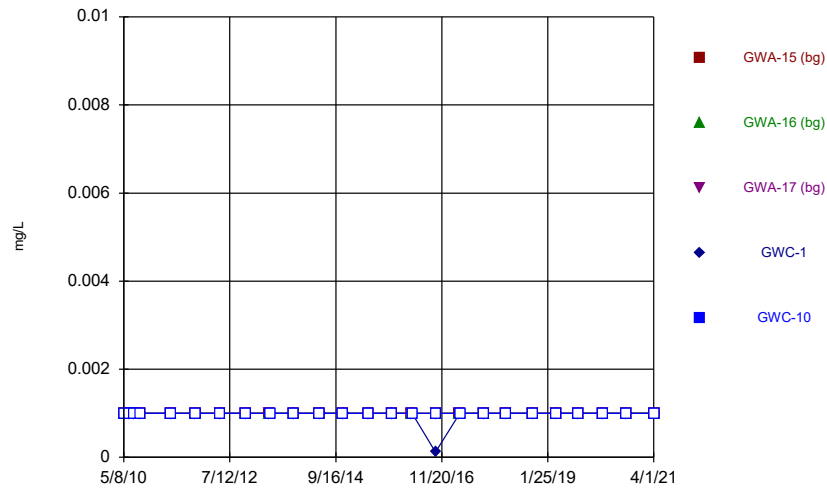
Time Series



Time Series

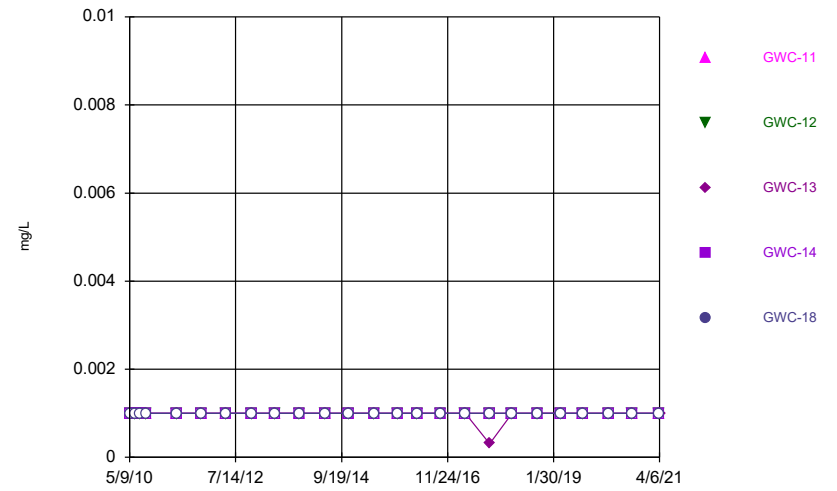


Time Series



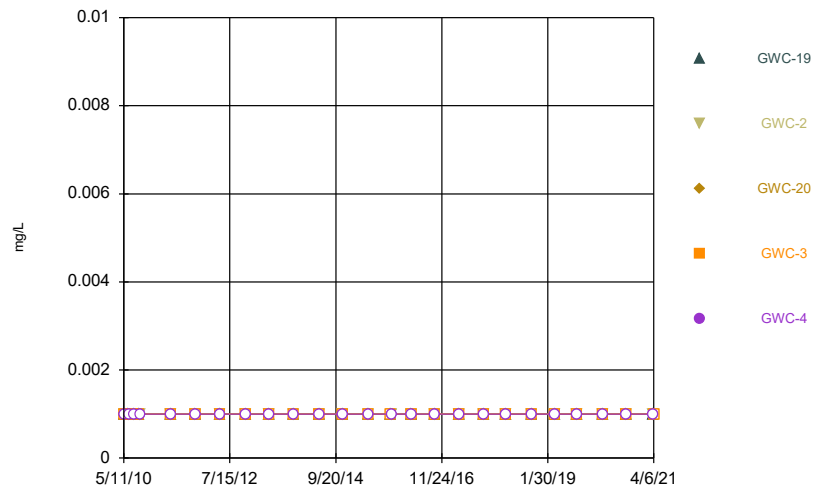
Constituent: Silver Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



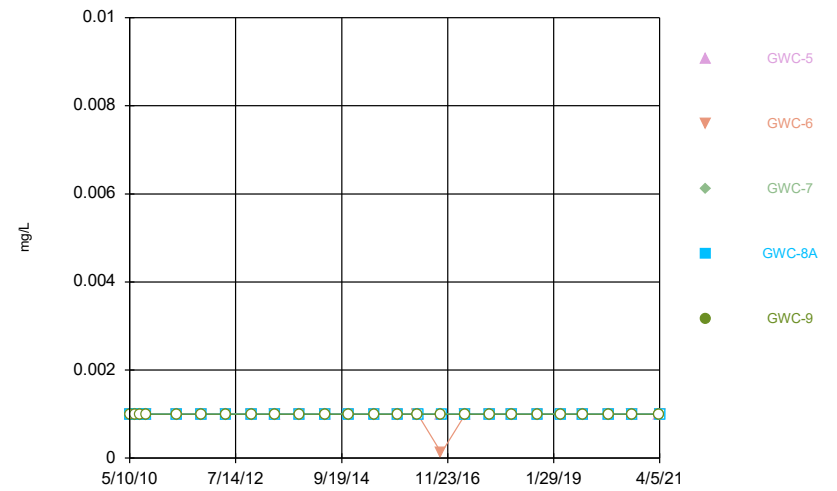
Constituent: Silver Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



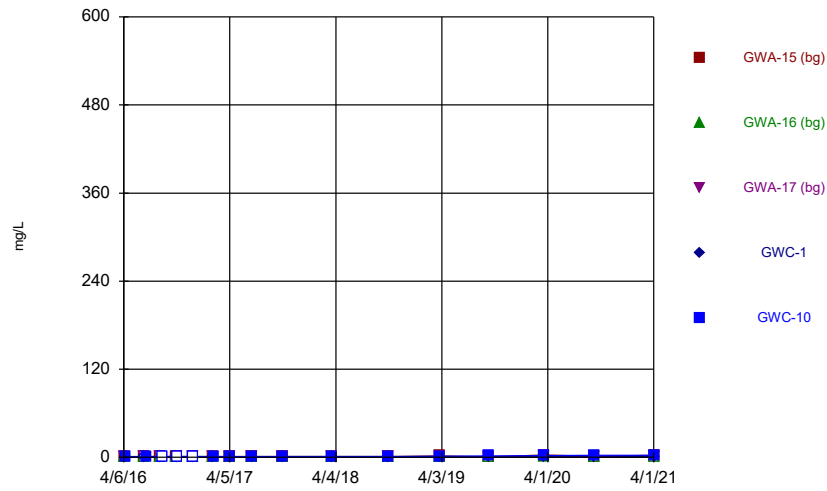
Constituent: Silver Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



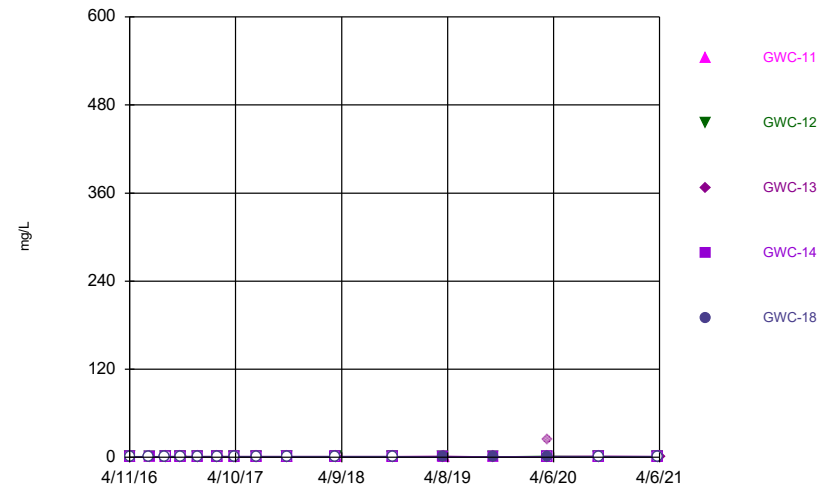
Constituent: Silver Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



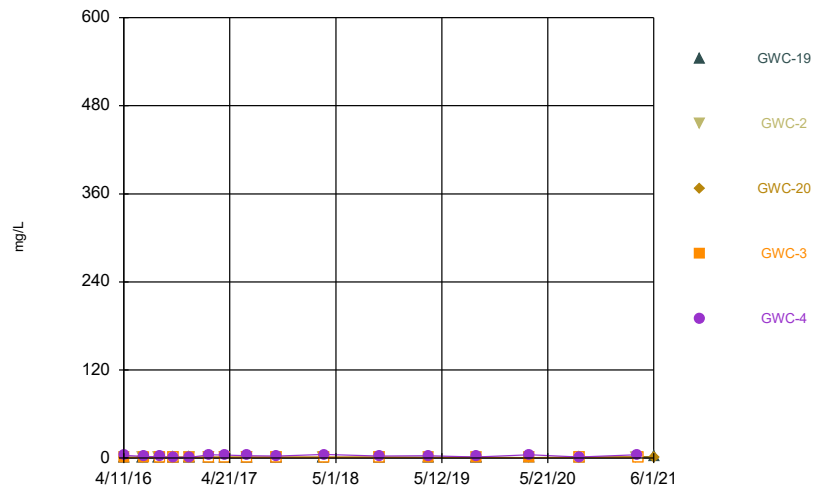
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



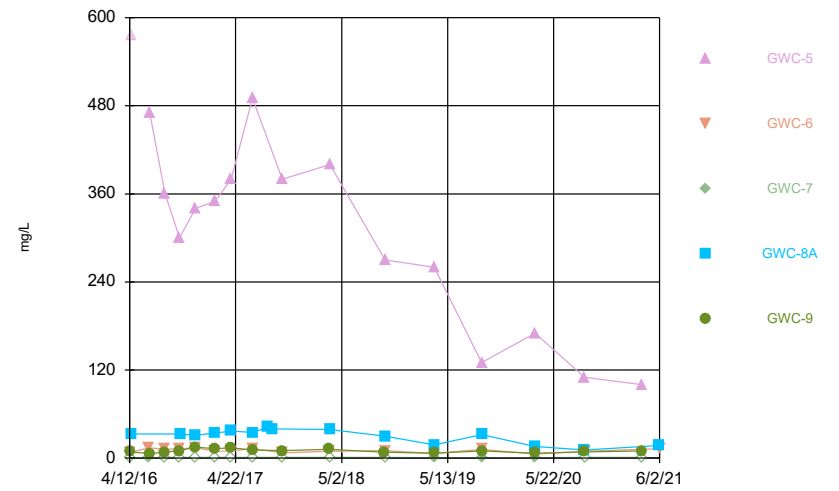
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



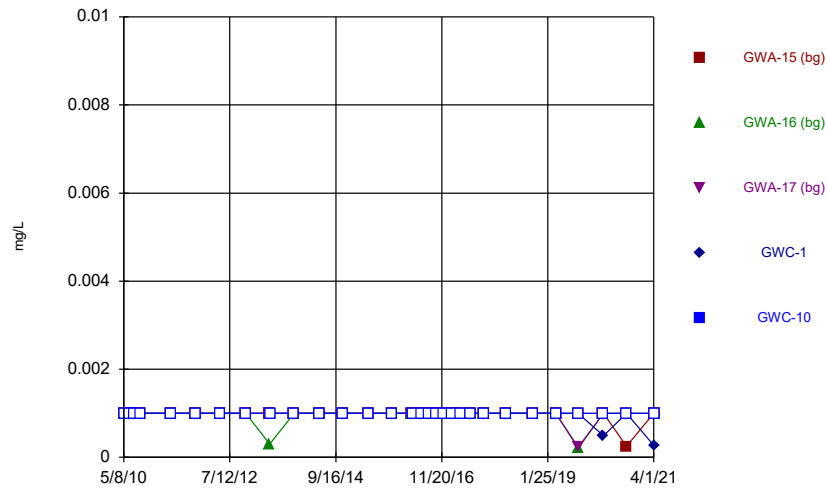
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



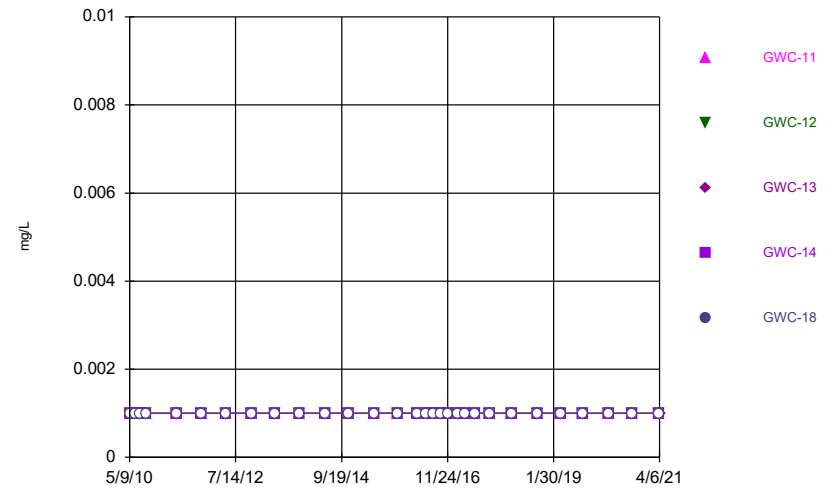
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



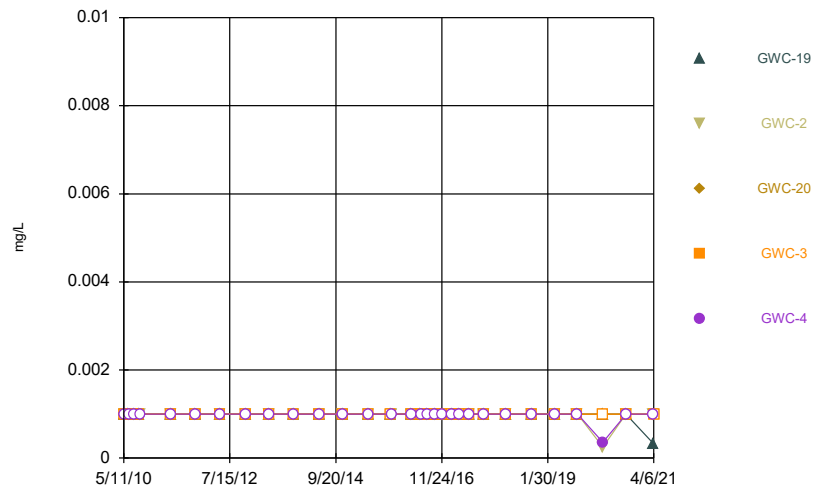
Constituent: Thallium, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



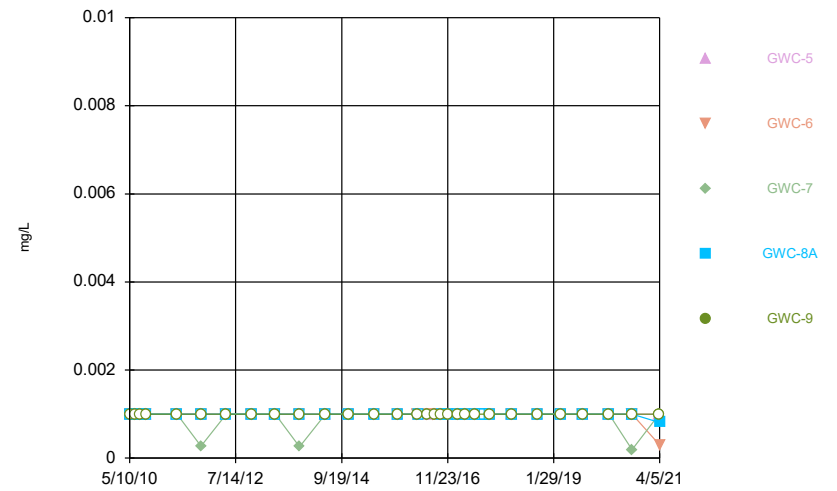
Constituent: Thallium, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



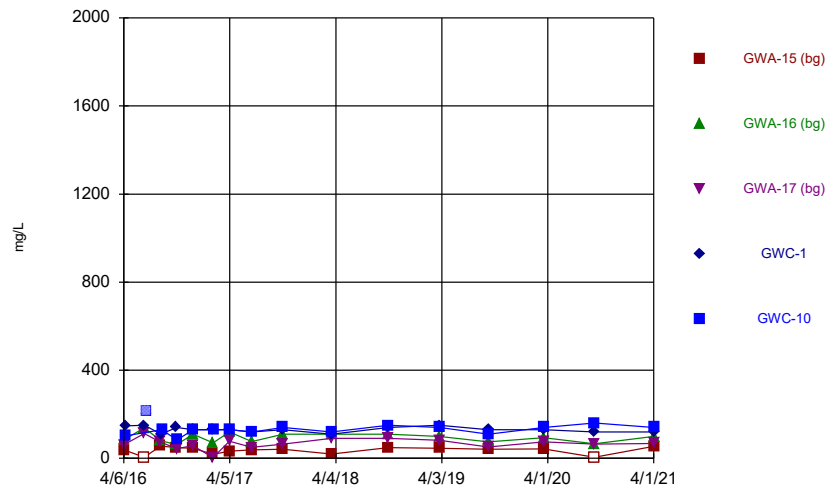
Constituent: Thallium, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



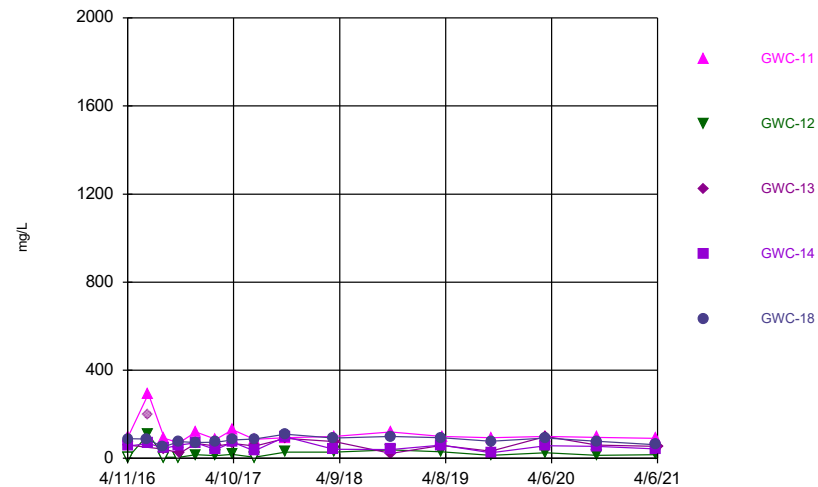
Constituent: Thallium, Total Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



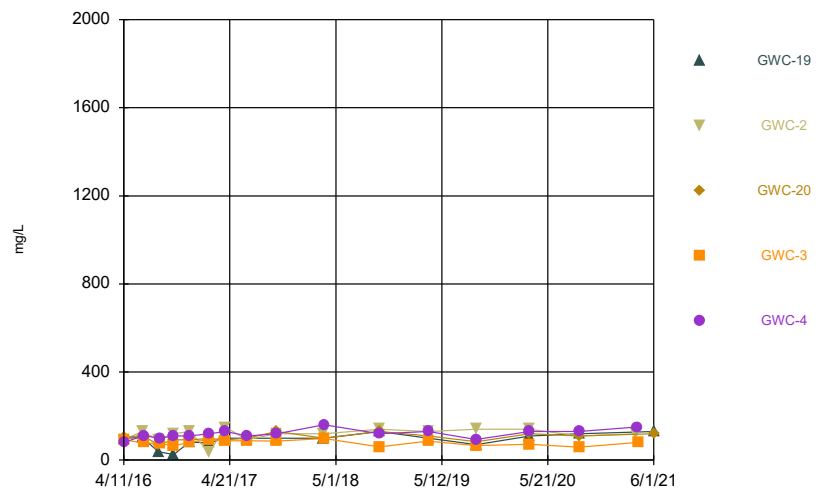
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



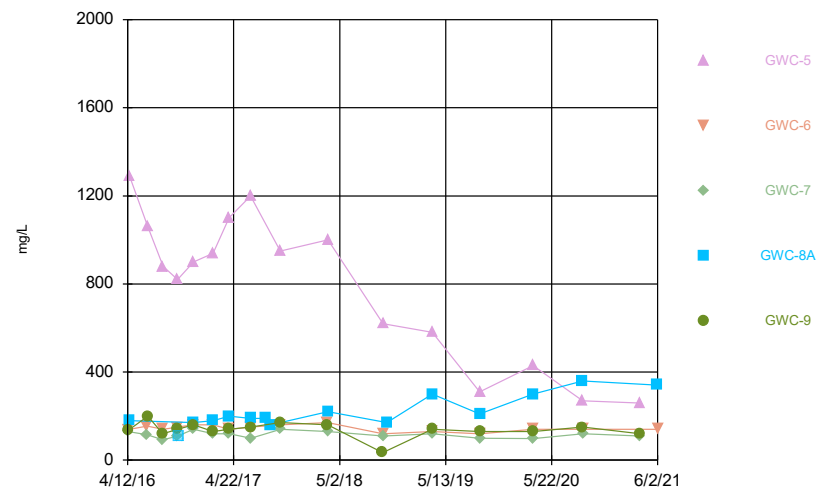
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



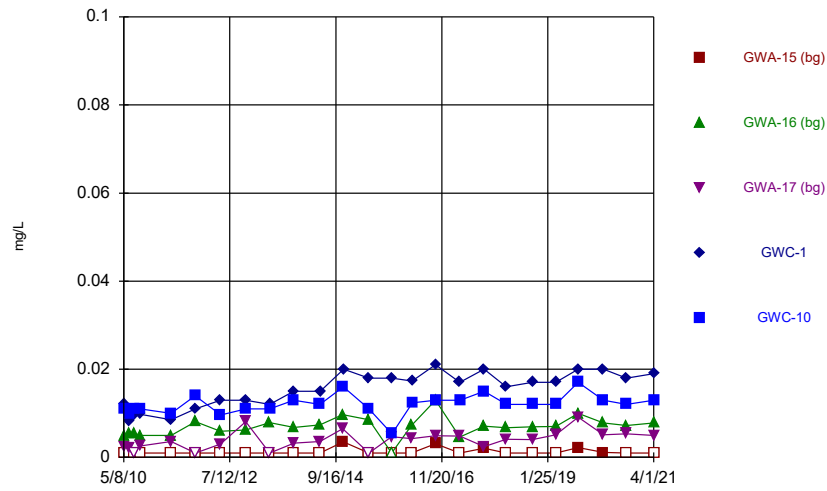
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



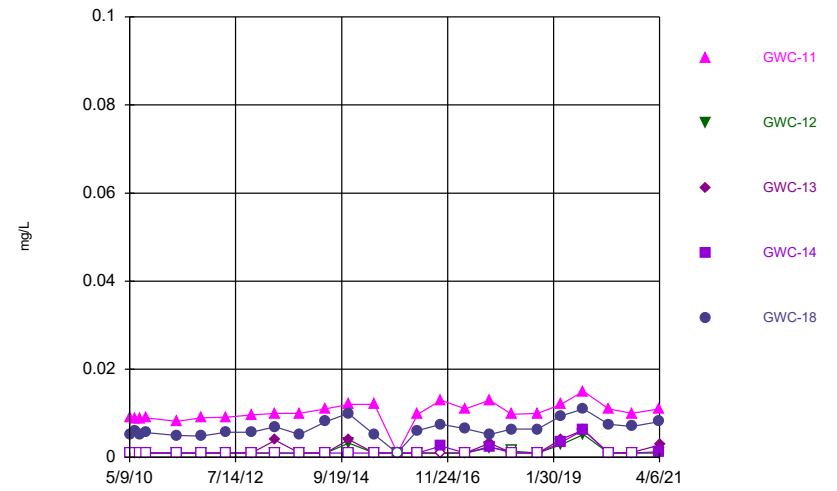
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



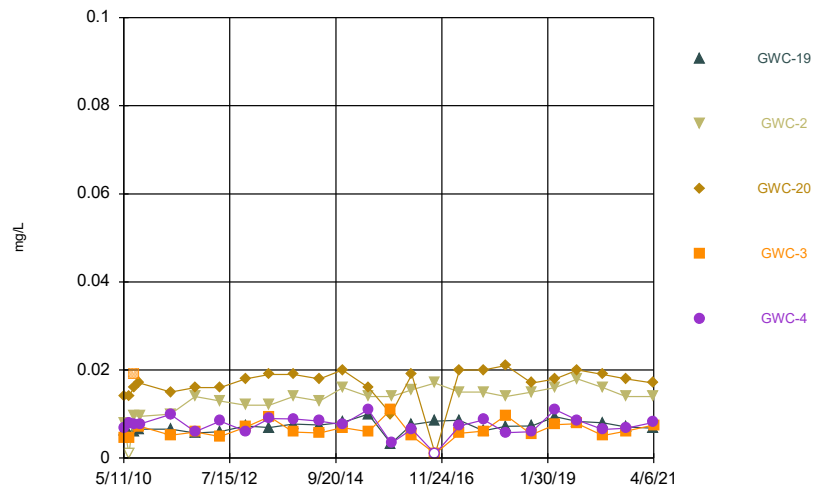
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



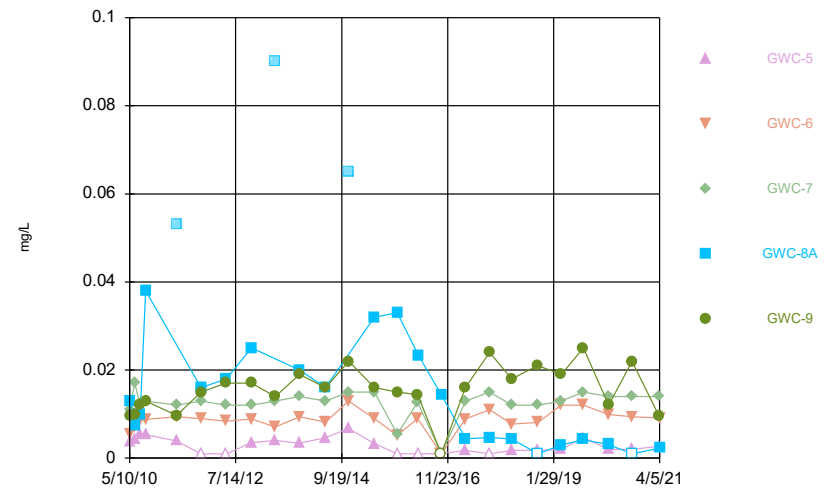
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



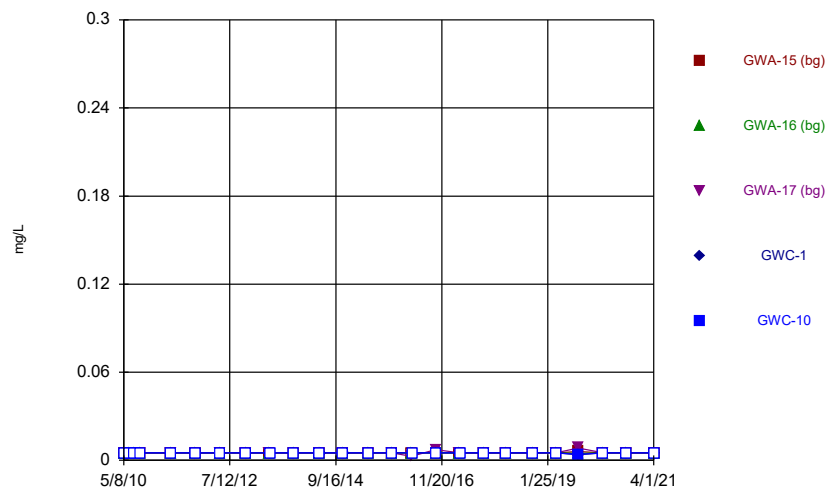
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



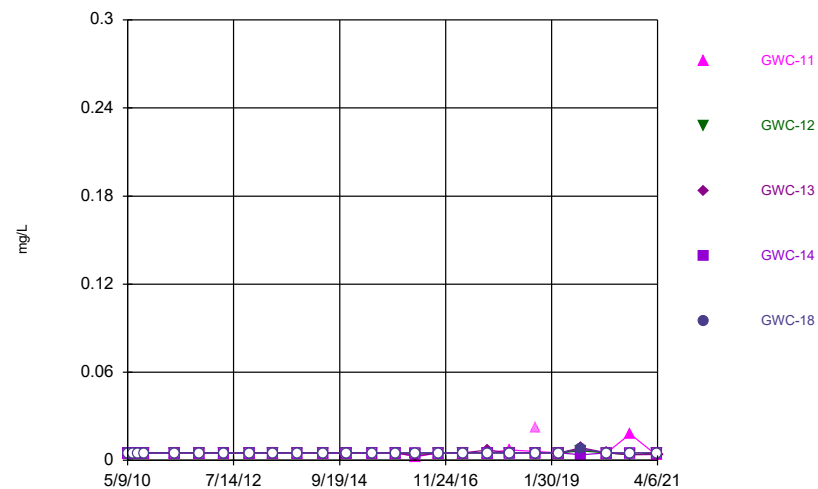
Constituent: Vanadium Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



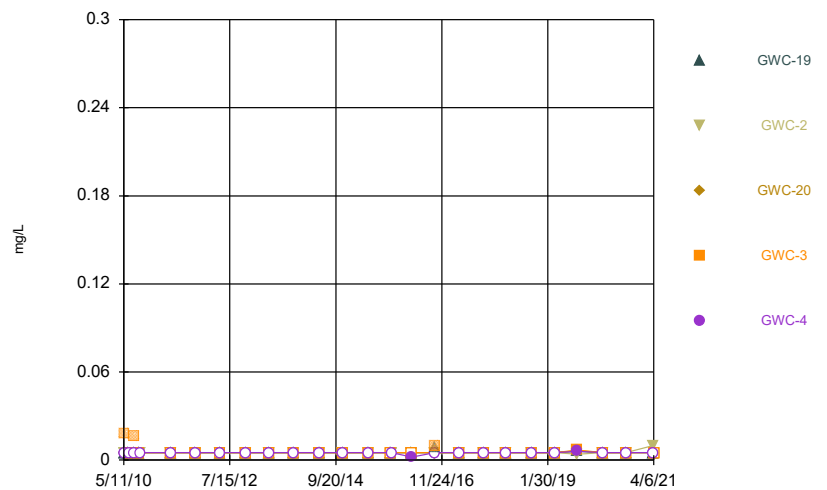
Constituent: Zinc Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



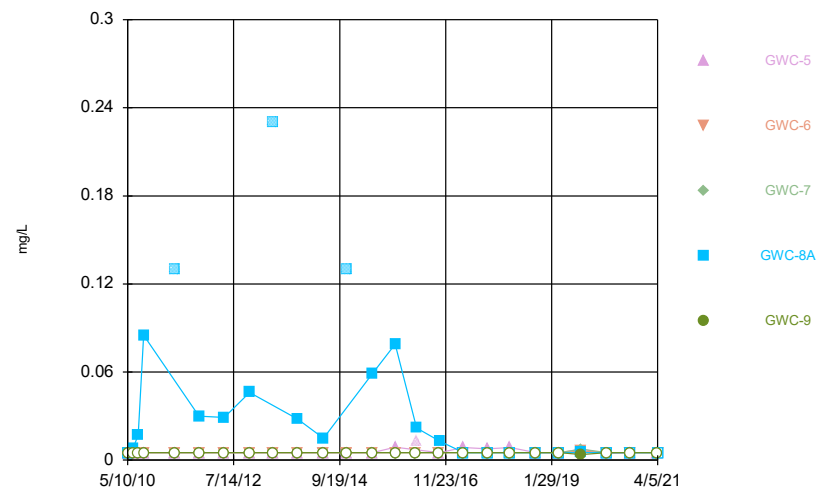
Constituent: Zinc Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



Constituent: Zinc Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series



Constituent: Zinc Analysis Run 6/24/2021 10:03 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.002		
5/9/2010	<0.002	<0.002			
5/10/2010					<0.002
5/11/2010				<0.002	
6/16/2010		<0.002	<0.002		<0.002
6/17/2010				<0.002	
6/18/2010	<0.002				
7/26/2010			<0.002		
7/27/2010		<0.002		<0.002	
7/28/2010	<0.002				<0.002
9/7/2010		<0.002	<0.002		
9/8/2010					<0.002
9/9/2010	<0.002			<0.002	
4/28/2011				<0.002	
4/29/2011		<0.002	<0.002		<0.002
4/30/2011	<0.002				
10/27/2011					<0.002
10/28/2011	<0.002	<0.002	<0.002		
10/29/2011				<0.002	
5/2/2012	<0.002	<0.002	<0.002		
5/3/2012				<0.002	
5/4/2012					<0.002
11/9/2012	<0.002	<0.002	<0.002	<0.002	
11/11/2012					<0.002
5/8/2013	<0.002	<0.002	<0.002		
5/9/2013				<0.002	<0.002
11/5/2013	<0.002			<0.002	<0.002
11/6/2013		<0.002	<0.002		
5/20/2014	<0.002	<0.002	<0.002		
5/21/2014					<0.002
5/23/2014				<0.002	
11/8/2014		<0.002	<0.002		
11/12/2014	<0.002				<0.002
11/13/2014				<0.002	
5/22/2015	<0.002	<0.002	<0.002		
5/23/2015				<0.002	<0.002
11/9/2015		<0.002	<0.002		
11/11/2015	<0.002			<0.002	
11/12/2015					<0.002
4/6/2016	<0.002	<0.002	<0.002		
4/12/2016				<0.002	
4/13/2016					<0.002 (D)
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				<0.002	
6/21/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002		
8/11/2016				<0.002	
8/15/2016					<0.002
10/4/2016	<0.002	<0.002		<0.002	
10/5/2016			<0.002		<0.002
11/29/2016		<0.002	<0.002		
11/30/2016	<0.002			<0.002	

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.002
2/7/2017	<0.002	0.001 (J)	<0.002	<0.002	
2/8/2017					<0.002
4/4/2017	<0.002	<0.002	<0.002		
4/5/2017				<0.002	
4/6/2017					<0.002
6/20/2017	<0.002	<0.002	<0.002	<0.002	
6/21/2017					<0.002
10/4/2017	<0.002			<0.002	
10/5/2017		<0.002	<0.002		<0.002
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002	
3/21/2018					<0.002
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019					<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2021	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	<0.002	<0.002	
5/10/2010	<0.002				<0.002
6/16/2010	<0.002				<0.002
6/18/2010		<0.002	<0.002	<0.002	
7/26/2010					<0.002
7/27/2010	<0.002	<0.002			
7/28/2010				<0.002	
7/29/2010			<0.002		
9/7/2010					<0.002
9/8/2010	<0.002	<0.002			
9/9/2010			<0.002	<0.002	
4/26/2011			<0.002		
4/29/2011	<0.002	<0.002			<0.002
4/30/2011				<0.002	
10/27/2011	<0.002				
10/28/2011		<0.002	<0.002	<0.002	<0.002
5/2/2012					<0.002
5/3/2012		<0.002		<0.002	
5/4/2012	<0.002		<0.002		
11/9/2012					<0.002
11/10/2012	<0.002	<0.002		<0.002	
11/11/2012			<0.002		
5/8/2013			<0.002	<0.002	<0.002
5/9/2013	<0.002	<0.002			
11/5/2013				<0.002	
11/6/2013	<0.002	<0.002			<0.002
11/7/2013			<0.002		
5/20/2014	<0.002	<0.002	<0.002	<0.002	
5/23/2014					<0.002
11/8/2014					<0.002
11/12/2014	<0.002	<0.002	<0.002	<0.002	
5/22/2015					<0.002
5/23/2015		<0.002			
5/24/2015	<0.002		<0.002	<0.002	
11/10/2015					<0.002
11/11/2015				<0.002	
11/12/2015	<0.002	<0.002	<0.002		
4/11/2016					<0.002
4/13/2016	<0.002 (D)	0.000646 (JD)	<0.002 (D)	<0.002 (D)	
6/16/2016					0.00018 (J)
6/21/2016	<0.002	<0.002	<0.002	<0.002	
8/11/2016					<0.002
8/15/2016	<0.002	<0.002	<0.002	<0.002	
10/4/2016				<0.002	
10/5/2016	<0.002	<0.002			<0.002
10/7/2016			<0.002		
11/29/2016					<0.002
12/1/2016	<0.002	<0.002	<0.002	<0.002	
2/7/2017				<0.002	
2/8/2017	<0.002	<0.002			<0.002
2/9/2017			<0.002		
4/5/2017		<0.002			

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.002		<0.002	<0.002	<0.002
6/20/2017	<0.002	<0.002		<0.002	
6/21/2017					<0.002
6/22/2017			<0.002		
10/5/2017	<0.002	<0.002		<0.002	<0.002
10/6/2017			<0.002		
3/20/2018				<0.002	<0.002
3/21/2018	<0.002	<0.002 (D)			
3/22/2018			<0.002		
10/2/2018	<0.002	<0.002		<0.002	<0.002
10/3/2018			<0.002		
3/26/2019		<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002				
9/11/2019	<0.002	<0.002	<0.002	<0.002	0.00039 (J)
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020				<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002		
4/1/2021	<0.002	<0.002		<0.002	<0.002
4/6/2021			<0.002		

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.002	<0.002	<0.002	<0.002	<0.002
6/16/2010	<0.002				
6/17/2010			<0.002	<0.002	<0.002
6/19/2010		<0.002			
7/27/2010	<0.002	<0.002	<0.002		
7/28/2010				<0.002	<0.002
9/7/2010	<0.002		<0.002	<0.002	
9/8/2010					<0.002
9/9/2010		<0.002			
4/28/2011		<0.002			<0.002
4/29/2011	<0.002		<0.002	<0.002	
10/28/2011	<0.002	<0.002	<0.002	<0.002	
10/29/2011					<0.002
5/2/2012	<0.002				
5/3/2012		<0.002	<0.002	<0.002	<0.002
11/9/2012	<0.002	<0.002		<0.002	
11/10/2012			<0.002		<0.002
5/9/2013	<0.002	<0.002	<0.002		
5/10/2013				<0.002	<0.002
11/5/2013		<0.002			
11/6/2013	<0.002		<0.002	<0.002	<0.002
5/22/2014	<0.002	<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002				
11/9/2014			<0.002	<0.002	<0.002
11/13/2014		<0.002			
5/22/2015				<0.002	<0.002
5/23/2015	<0.002				
5/24/2015		<0.002	<0.002		
11/10/2015	<0.002		<0.002	<0.002	
11/11/2015		<0.002			<0.002
4/11/2016	<0.002				
4/12/2016		<0.002	<0.002	<0.002 (D)	<0.002
6/16/2016	0.00014 (J)	<0.002	<0.002		
6/20/2016				0.0002 (J)	<0.002
8/11/2016	<0.002	<0.002	<0.002		
8/12/2016				<0.002	<0.002
10/4/2016		<0.002			
10/5/2016	<0.002		<0.002	<0.002	
10/6/2016					<0.002
11/29/2016	<0.002				
11/30/2016		<0.002	<0.002	<0.002	<0.002
2/7/2017		<0.002			
2/8/2017	<0.002		<0.002	<0.002	<0.002
4/5/2017	<0.002				
4/6/2017		<0.002	<0.002	<0.002	<0.002
6/20/2017		<0.002			
6/21/2017	<0.002		<0.002	<0.002	
6/22/2017					<0.002
10/4/2017		<0.002			
10/5/2017	<0.002		<0.002	<0.002	
10/6/2017					<0.002
3/20/2018	<0.002	<0.002			

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.002	<0.002	<0.002
10/2/2018	<0.002	<0.002			
10/3/2018			<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2019		0.00042 (J)		<0.002	<0.002
9/12/2019	<0.002		<0.002		
3/18/2020		<0.002		<0.002	
3/19/2020	<0.002		<0.002		<0.002
9/9/2020	<0.002	<0.002			
9/10/2020			<0.002	<0.002	<0.002
4/1/2021		0.0013 (J)			
4/2/2021					<0.002
4/5/2021	<0.002		<0.002		
4/6/2021				<0.002	

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.002	<0.002	<0.002
5/11/2010	<0.002	<0.002			
6/16/2010					<0.002
6/18/2010	<0.002	<0.002	<0.002		
6/19/2010				<0.002	
7/27/2010	<0.002	<0.002			<0.002
7/28/2010			<0.002	<0.002	
9/8/2010				<0.002	<0.002
9/9/2010	<0.002	<0.002	<0.002		
4/29/2011	<0.002				<0.002
4/30/2011		<0.002	<0.002	<0.002	
10/27/2011				<0.002	<0.002
10/28/2011	<0.002				
10/29/2011		<0.002	<0.002		
5/3/2012					<0.002
5/4/2012	<0.002	<0.002	<0.002	<0.002	
11/10/2012	<0.002	<0.002	<0.002		
11/11/2012				<0.002	<0.002
5/9/2013	<0.002	<0.002	<0.002		<0.002
5/10/2013				<0.002	
11/6/2013	<0.002				<0.002
11/7/2013		<0.002	<0.002	<0.002	
5/21/2014		<0.002	<0.002	<0.002	<0.002
5/22/2014	<0.002				
11/9/2014	<0.002	<0.002			
11/12/2014			<0.002		<0.002
11/13/2014				<0.002	
5/23/2015				<0.002	<0.002
5/24/2015	<0.002	<0.002	<0.002		
11/11/2015	<0.002	<0.002	<0.002	<0.002	
11/12/2015					<0.002
4/12/2016		<0.002			
4/13/2016			<0.002 (D)		<0.002 (D)
4/19/2016	<0.002			<0.002	
6/20/2016		<0.002	0.0002 (J)		
6/22/2016	<0.002				<0.002
8/12/2016		<0.002			
8/15/2016			<0.002		<0.002
8/16/2016	<0.002				
10/6/2016	<0.002	<0.002	<0.002		<0.002
10/10/2016				<0.002	
11/30/2016		<0.002			
12/1/2016	<0.002		<0.002	<0.002	<0.002
2/8/2017					<0.002
2/9/2017	<0.002	<0.002	<0.002	<0.002	
4/6/2017	<0.002	<0.002			<0.002
4/7/2017			<0.002	<0.002	
6/21/2017	<0.002	<0.002		<0.002	<0.002
6/22/2017			<0.002		
8/15/2017				<0.002	
9/1/2017				<0.002	
10/5/2017	<0.002				<0.002

Time Series

Constituent: Antimony, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.002	<0.002		
10/9/2017				<0.002	
3/21/2018		<0.002			<0.002
3/22/2018	<0.002		<0.002	<0.002	
10/2/2018					<0.002
10/3/2018	<0.002	<0.002			
10/4/2018			<0.002	<0.002	
3/26/2019		<0.002			
3/27/2019	<0.002		<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/18/2020	<0.002	<0.002		<0.002	<0.002
3/19/2020			<0.002		
9/9/2020	<0.002			<0.002	<0.002
9/10/2020		<0.002	<0.002		
4/1/2021	<0.002		<0.002		<0.002
4/5/2021		<0.002		<0.002	

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				6E-05 (J)	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		0.00079	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	0.00032 (J)	0.00049 (J)	0.00069 (J)	0.00033 (J)	
9/11/2019					0.00055 (J)
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	0.00045 (J)	0.00038 (J)	0.00042 (J)	0.00045 (J)	0.00043 (J)
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	5.1E-05 (J)	5.5E-05 (J)	5.4E-05 (J)		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				0.00053 (J)	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			0.00078	0.00089	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		0.00038 (J)		0.00032 (J)	0.00032 (J)
9/12/2019	<0.001		<0.001		
3/18/2020		<0.001		<0.001	
3/19/2020	<0.001		<0.001		<0.001
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	<0.001		<0.001		
4/6/2021				<0.001	

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		6.3E-05 (J)	<0.001		
6/22/2016	0.0008				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	<0.001	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	0.00115 (D)	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		0.0014	<0.001
6/22/2017			<0.001		
8/15/2017				0.00086	
9/1/2017				0.00075	
10/5/2017	<0.001				<0.001

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				0.0013	
3/21/2018		<0.001			<0.001
3/22/2018	0.00046 (J)		<0.001	0.00075	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	0.0012	0.00062
9/11/2019	0.00038 (J)	0.00041 (J)	0.00038 (J)	0.001 (J)	0.00055 (J)
3/18/2020	<0.001	<0.001		0.00042 (J)	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			0.00092 (J)	<0.001
9/10/2020		<0.001	<0.001		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		0.00097 (J)	

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.048 (J)		
5/9/2010	0.01 (J)	0.031 (J)			
5/10/2010					0.024 (J)
5/11/2010				0.054 (J)	
6/16/2010		0.029 (J)	0.044 (J)		0.022 (J)
6/17/2010				0.054 (J)	
6/18/2010	0.01 (J)				
7/26/2010			0.042 (J)		
7/27/2010		0.029 (J)		0.054 (J)	
7/28/2010	0.011 (J)				0.023 (J)
9/7/2010		0.028 (J)	0.04 (J)		
9/8/2010					0.023 (J)
9/9/2010	0.011 (J)			0.046 (J)	
4/28/2011				0.057 (J)	
4/29/2011		0.026 (J)	0.038 (J)		0.022 (J)
4/30/2011	0.0091 (J)				
10/27/2011					0.022
10/28/2011	0.0096 (J)	0.025	0.034		
10/29/2011				0.046	
5/2/2012	0.012	0.025	0.03		
5/3/2012				0.049	
5/4/2012					0.019
11/9/2012	0.012 (V)	0.028 (V)	0.039 (V)	0.045 (V)	
11/11/2012					0.025 (V)
5/8/2013	0.01	0.029	0.034		
5/9/2013				0.053	0.024
11/5/2013	0.0098 (J)			0.045	0.025
11/6/2013		0.026	0.032		
5/20/2014	0.0081 (J)	0.025	0.03		
5/21/2014					0.024
5/23/2014				0.043	
11/8/2014		0.026	0.031		
11/12/2014	0.0098 (J)				0.026
11/13/2014				0.046	
5/22/2015	0.0088 (J)	0.026	0.033		
5/23/2015				0.046	0.026
11/9/2015		0.024	0.034		
11/11/2015	0.011			0.047	
11/12/2015					0.026
4/6/2016	0.00959 (J)	0.026	0.0347		
4/12/2016				0.0474	
4/13/2016					0.0258 (D)
6/15/2016	0.0091 (J)	0.023	0.029		
6/16/2016				0.044	
6/21/2016					0.0286
8/10/2016	0.009	0.022	0.027		
8/11/2016				0.04	
8/15/2016					0.024
10/4/2016	<0.021	0.024		0.048	
10/5/2016			<0.021		<0.021
11/29/2016		0.023	0.024		
11/30/2016	0.011			0.043	

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					0.028
2/7/2017	0.0099	0.024	0.029	0.042	
2/8/2017					0.027
4/4/2017	0.0092	0.022	0.03		
4/5/2017				0.041	
4/6/2017					0.027
6/20/2017	0.0099	0.025	0.036	0.046	
6/21/2017					0.031
10/4/2017	0.0098			0.044	
10/5/2017		0.023	0.027		0.029
3/20/2018	0.01	0.023	0.027	0.042	
3/21/2018					<0.021 (X)
10/2/2018	0.0099	0.023	0.027	0.043	0.029
3/26/2019	0.0099	0.024	0.031	0.044	
3/27/2019					0.027
9/10/2019	0.011	0.039	0.051	0.046	
9/11/2019					0.033
3/18/2020	0.01	0.027	0.031	0.049	0.036
9/9/2020	0.01	0.024	0.033	0.046	0.036
4/1/2021	0.0092 (J)	0.024	0.029	0.047	0.034

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		0.017 (J)	0.029 (J)	0.01 (J)	
5/10/2010	0.018 (J)				0.039 (J)
6/16/2010	0.018 (J)				0.041 (J)
6/18/2010		0.014 (J)	0.028 (J)	0.0097 (J)	
7/26/2010					0.04 (J)
7/27/2010	0.018 (J)	0.015 (J)			
7/28/2010				0.0096 (J)	
7/29/2010			0.029 (J)		
9/7/2010					0.038 (J)
9/8/2010	0.017 (J)	0.013 (J)			
9/9/2010			0.028 (J)	0.01 (J)	
4/26/2011			0.038 (J)		
4/29/2011	0.016 (J)	0.016 (J)			0.034 (J)
4/30/2011				0.0096 (J)	
10/27/2011	0.015				
10/28/2011		0.013	0.026	0.0064 (O)	0.035
5/2/2012					0.038
5/3/2012		0.012		0.0054 (O)	
5/4/2012	0.014		0.024		
11/9/2012					0.035 (V)
11/10/2012	0.016 (V)	0.015 (V)		0.0094 (J)	
11/11/2012			0.027 (V)		
5/8/2013			0.045	0.0093 (J)	0.037
5/9/2013	0.016	0.015			
11/5/2013				0.009 (J)	
11/6/2013	0.016	0.015			0.036 (V)
11/7/2013			0.026		
5/20/2014	0.016	0.015	0.024	0.009 (J)	
5/23/2014					0.036
11/8/2014					0.038
11/12/2014	0.017	0.018	0.029	0.0098 (J)	
5/22/2015					0.035
5/23/2015		0.016			
5/24/2015	0.017		0.027	0.0096 (J)	
11/10/2015					0.032
11/11/2015				0.0092 (J)	
11/12/2015	0.016	0.015	0.029		
4/11/2016					0.0352
4/13/2016	0.0159 (D)	0.0166 (D)	0.029 (D)	0.00929 (JD)	
6/16/2016					0.033
6/21/2016	0.018	0.0173	0.0306	0.0106	
8/11/2016					0.035
8/15/2016	0.015	0.015	0.026	0.0077	
10/4/2016				<0.021	
10/5/2016	<0.021	<0.021			<0.021
10/7/2016			0.031		
11/29/2016					0.034
12/1/2016	0.016	0.016	0.031	0.0089	
2/7/2017				0.0089	
2/8/2017	0.015	0.016			0.032
2/9/2017			0.032		
4/5/2017		0.016			

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.016		0.029	0.0085	0.031
6/20/2017	0.016	0.017		0.0097	
6/21/2017					0.035
6/22/2017			0.034		
10/5/2017	0.016	0.017		0.0096	0.034
10/6/2017			0.031		
3/20/2018				0.0091	0.033
3/21/2018	<0.021 (X)	<0.021 (X)			
3/22/2018			0.034		
10/2/2018	0.016	0.016		0.0096	0.032
10/3/2018			0.03		
3/26/2019		0.017	0.035	0.0092	0.033
3/27/2019	0.015				
9/11/2019	0.017	0.017	0.035	0.011	0.035
3/18/2020	0.019	0.018	0.058	0.0099 (J)	0.036
9/9/2020				0.01	0.036
9/10/2020	0.02	0.019	0.037		
4/1/2021	0.018	0.018		0.0095 (J)	0.035
4/6/2021			0.038		

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.018 (J)	0.048 (J)	0.032 (J)	0.039	0.031 (J)
6/16/2010	0.017 (J)				
6/17/2010			0.031 (J)	0.017	0.033 (J)
6/19/2010		0.033 (J)			
7/27/2010	0.016 (J)	0.047 (J)	0.035 (J)		
7/28/2010				0.071 (O)	0.033 (J)
9/7/2010	0.017 (J)		0.032 (J)	0.026	
9/8/2010					0.033 (J)
9/9/2010		0.045 (J)			
4/28/2011		0.048 (J)			0.039 (J)
4/29/2011	0.018 (J)		0.031 (J)	0.016	
10/28/2011	0.016	0.044	0.03	0.014	
10/29/2011					0.029
5/2/2012	0.018				
5/3/2012		0.047	0.032	0.017	0.036
11/9/2012	0.017 (V)	0.055 (V)		0.022 (V)	
11/10/2012			0.028 (V)		0.032 (V)
5/9/2013	0.017	0.049	0.029		
5/10/2013				0.025	0.035
11/5/2013		0.045			
11/6/2013	0.018 (V)		0.03 (V)	0.015	0.037
5/22/2014	0.016	0.04	0.029	0.016	0.031
11/8/2014	0.018				
11/9/2014			0.032	0.017	0.034
11/13/2014		0.045			
5/22/2015				0.017	0.039
5/23/2015	0.018				
5/24/2015		0.045	0.029		
11/10/2015	0.017		0.026	0.018	
11/11/2015		0.045			0.042
4/11/2016	0.0191				
4/12/2016		0.0519	0.033	0.0169 (D)	0.0386
6/16/2016	0.017	0.045	0.028		
6/20/2016				0.014	0.031
8/11/2016	0.015	0.04	0.026		
8/12/2016				0.018	0.033
10/4/2016		0.044			
10/5/2016	<0.021		0.03	0.015	
10/6/2016					0.042
11/29/2016	0.017				
11/30/2016		0.044	0.03	0.018	0.04
2/7/2017		0.044			
2/8/2017	0.017		0.033	0.018	0.042
4/5/2017	0.017				
4/6/2017		0.041	0.033	0.017	0.041
6/20/2017		0.045			
6/21/2017	0.019		0.03	0.02	
6/22/2017					0.047
10/4/2017		0.047			
10/5/2017	0.018		0.028	0.017	
10/6/2017					0.045
3/20/2018	0.019	0.045			

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.021 (X)	<0.021 (X)	0.045
10/2/2018	0.018	0.044			
10/3/2018			0.028	0.016	0.042
3/26/2019	0.018	0.045	0.03	0.015	0.053
9/10/2019		0.047		0.014	0.037
9/12/2019	0.026		0.035		
3/18/2020		0.048		0.013	
3/19/2020	0.025		0.032		0.045
9/9/2020	0.026	0.047			
9/10/2020			0.031	0.015	0.045
4/1/2021		0.044			
4/2/2021					0.047
4/5/2021	0.028		0.029		
4/6/2021				0.014	

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.029 (J)	0.05 (J)	0.026 (J)
5/11/2010	0.034 (J)	0.053 (J)			
6/16/2010					0.026 (J)
6/18/2010	0.028 (J)	0.055 (J)	0.044 (J)		
6/19/2010				0.045 (J)	
7/27/2010	0.026 (J)	0.053 (J)			0.029 (J)
7/28/2010			0.028 (J)	0.046 (J)	
9/8/2010				0.071 (J)	0.027 (J)
9/9/2010	0.022 (J)	0.05 (J)	0.029 (J)		
4/29/2011	0.016 (J)				0.02 (J)
4/30/2011		0.05 (J)	0.025 (J)	0.098 (J)	
10/27/2011				0.048	0.02
10/28/2011	0.014				
10/29/2011		0.045	0.026		
5/3/2012					0.021
5/4/2012	0.017	0.051	0.032	0.055	
11/10/2012	0.014 (V)	0.048 (V)	0.028 (V)		
11/11/2012				0.05 (V)	0.028 (V)
5/9/2013	0.016	0.048	0.03		0.026
5/10/2013				0.12	
11/6/2013	0.016				0.026
11/7/2013		0.049	0.031	0.044	
5/21/2014		0.048	0.029	0.037	0.023
5/22/2014	0.016				
11/9/2014	0.018	0.053			
11/12/2014			0.031		0.038
11/13/2014				0.085	
5/23/2015				0.054	0.021
5/24/2015	0.11	0.061	0.039		
11/11/2015	0.12	0.063	0.032	0.059	
11/12/2015					0.02
4/12/2016		0.0626			
4/13/2016			0.0328 (D)		0.0164 (D)
4/19/2016	0.099			0.0415	
6/20/2016		0.057	0.03		
6/22/2016	0.074				0.0238
8/12/2016		0.053			
8/15/2016			0.033		0.02
8/16/2016	0.045				
10/6/2016	0.046	0.053	0.032		0.021
10/10/2016				0.034	
11/30/2016		0.06			
12/1/2016	0.046		0.034	0.037	0.025
2/8/2017					0.017
2/9/2017	0.055	0.054	0.032	0.043	
4/6/2017	0.057	0.055			0.019
4/7/2017			0.031	0.019	
6/21/2017	0.062	0.063		0.017	0.026
6/22/2017			0.035		
8/15/2017				0.021	
9/1/2017				0.02	
10/5/2017	0.052				0.022

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		0.054	0.034		
10/9/2017				0.019	
3/21/2018		0.056			<0.021 (X)
3/22/2018	0.048		0.035	0.019	
10/2/2018					0.023
10/3/2018	0.036	0.051			
10/4/2018			0.031	0.012	
3/26/2019		0.052			
3/27/2019	0.038		0.033	0.025	0.018
9/11/2019	0.039	0.059	0.035	0.022	0.028
3/18/2020	0.04	0.05		0.043	0.013
3/19/2020			0.036		
9/9/2020	0.033			0.053	0.025
9/10/2020		0.056	0.039		
4/1/2021	0.04		0.036		0.018
4/5/2021		0.054		0.045	

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		<0.0025	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	0.0021	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	<0.0025	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	<0.0025			<0.0025	

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	<0.0025	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	<0.0025			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019					<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					<0.0025
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	<0.0025	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	<0.0025			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025 (D)			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020				<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025		
4/1/2021	<0.0025	<0.0025		<0.0025	<0.0025
4/6/2021			<0.0025		

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				<0.0025	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	<0.0025	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025		<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	<0.0025		
6/20/2016				<0.0025	<0.0025
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				<0.0025	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					<0.0025
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	<0.0025	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	<0.0025	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2019		<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025		<0.0025		
3/18/2020		<0.0025		<0.0025	
3/19/2020	<0.0025		<0.0025		<0.0025
9/9/2020	<0.0025	<0.0025			
9/10/2020			<0.0025	<0.0025	<0.0025
4/1/2021		<0.0025			
4/2/2021					<0.0025
4/5/2021	<0.0025		<0.0025		
4/6/2021				<0.0025	

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				<0.0025	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	<0.0025	
10/27/2011				<0.0025	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				<0.0025	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	<0.0025	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				<0.0025	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			<0.0025	
6/20/2016		<0.0025	<0.0025		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	<0.0025	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	<0.0025	
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025
6/22/2017			<0.0025		
8/15/2017				<0.0025	
9/1/2017				<0.0025	
10/5/2017	<0.0025				<0.0025

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				<0.0025	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0025	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	<0.0025	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/19/2020			<0.0025		
9/9/2020	<0.0025			<0.0025	<0.0025
9/10/2020		<0.0025	0.00018 (J)		
4/1/2021	<0.0025		<0.0025		<0.0025
4/5/2021		<0.0025		0.00038 (J)	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	<0.08	<0.08	<0.08		
4/12/2016				<0.08	
4/13/2016					<0.08 (D)
6/15/2016	<0.08	<0.08	0.0028 (J)		
6/16/2016				<0.08	
6/21/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08		
8/11/2016				<0.08	
8/15/2016					<0.08
10/4/2016	<0.08	<0.08		<0.08	
10/5/2016			<0.08		<0.08
11/29/2016		<0.08	<0.08		
11/30/2016	<0.08			<0.08	
12/1/2016					<0.08
2/7/2017	<0.08	<0.08	<0.08	<0.08	
2/8/2017					<0.08
4/4/2017	<0.08	<0.08	<0.08		
4/5/2017				<0.08	
4/6/2017					<0.08
6/20/2017	<0.08	<0.08	<0.08	<0.08	
6/21/2017					<0.08
10/4/2017	<0.08			<0.08	
10/5/2017		<0.08	<0.08		<0.08
3/20/2018	<0.08 (D)	<0.08	<0.08	<0.08	
3/21/2018					<0.08
10/2/2018	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	
3/27/2019					<0.08
9/10/2019	<0.08	<0.08	<0.08	<0.08	
9/11/2019					<0.08
3/18/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/9/2020	<0.08	<0.08	<0.08	<0.08	<0.08
4/1/2021	<0.08	<0.08	<0.08	0.053 (J)	<0.08

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					<0.08
4/13/2016	<0.08 (D)	<0.08 (D)	<0.08 (D)	<0.08 (D)	
6/16/2016					<0.08
6/21/2016	<0.08	<0.08	<0.08	<0.08	
8/11/2016					<0.08
8/15/2016	<0.08	<0.08	<0.08	<0.08	
10/4/2016				<0.08	
10/5/2016	<0.08	<0.08			<0.08
10/7/2016			<0.08		
11/29/2016					<0.08
12/1/2016	<0.08	<0.08	<0.08	<0.08	
2/7/2017				<0.08	
2/8/2017	<0.08	<0.08			<0.08
2/9/2017			<0.08		
4/5/2017		<0.08			
4/6/2017	<0.08		<0.08	<0.08	<0.08
6/20/2017	<0.08	<0.08		<0.08	
6/21/2017					<0.08
6/22/2017			<0.08		
10/5/2017	<0.08	<0.08		<0.08	<0.08
10/6/2017			<0.08		
3/20/2018				<0.08	<0.08
3/21/2018	<0.08	<0.08 (D)			
3/22/2018			<0.08		
10/2/2018	<0.08	<0.08		<0.08	<0.08
10/3/2018			<0.08		
3/26/2019		<0.08	<0.08	<0.08	<0.08
3/27/2019	<0.08				
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/18/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/9/2020				<0.08	<0.08
9/10/2020	<0.08	<0.08	<0.08		
4/1/2021	<0.08	<0.08		<0.08	<0.08
4/6/2021			0.056 (J)		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	<0.08				
4/12/2016		<0.08	<0.08	<0.08 (D)	<0.08
6/16/2016	<0.08	<0.08	<0.08		
6/20/2016				<0.08	<0.08
8/11/2016	<0.08	<0.08	<0.08		
8/12/2016				<0.08	<0.08
10/4/2016		<0.08			
10/5/2016	<0.08		<0.08	<0.08	
10/6/2016					<0.08
11/29/2016	<0.08				
11/30/2016		<0.08	<0.08	<0.08	<0.08
2/7/2017		<0.08			
2/8/2017	<0.08		<0.08	<0.08	<0.08
4/5/2017	<0.08				
4/6/2017		<0.08	<0.08	<0.08	<0.08
6/20/2017		<0.08			
6/21/2017	<0.08		<0.08	<0.08	
6/22/2017					<0.08
10/4/2017		<0.08			
10/5/2017	<0.08		<0.08	<0.08	
10/6/2017					<0.08
3/20/2018	<0.08	<0.08			
3/21/2018			<0.08	<0.08	<0.08
10/2/2018	<0.08	<0.08			
10/3/2018			<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/10/2019		<0.08		<0.08	<0.08
9/12/2019	<0.08		<0.08		
3/18/2020		<0.08		<0.08	
3/19/2020	<0.08		<0.08		<0.08
9/9/2020	<0.08	<0.08			
9/10/2020			<0.08	<0.08	<0.08
4/1/2021		<0.08			
4/2/2021					<0.08
4/5/2021	<0.08		<0.08		
4/6/2021				0.078 (J)	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		<0.08			
4/13/2016			<0.08 (D)		0.0774 (JD)
4/19/2016	<0.08			0.145	
6/20/2016		<0.08	<0.08		
6/22/2016	0.238				0.0663 (J)
8/12/2016		<0.08			
8/15/2016			<0.08		0.093
8/16/2016	0.39				
10/6/2016	0.34	<0.08	<0.08		0.096
10/10/2016				0.12	
11/30/2016		<0.08			
12/1/2016	0.37		<0.08	0.12	0.12
2/8/2017					0.094
2/9/2017	0.38	<0.08	<0.08	0.13	
4/6/2017	0.4	<0.08			0.11
4/7/2017			<0.08	0.21	
6/21/2017	0.39	<0.08		0.23	0.1
6/22/2017			<0.08		
8/15/2017				0.27	
9/1/2017				0.24	
10/5/2017	0.47				0.083
10/6/2017		<0.08	<0.08		
3/21/2018		<0.08			0.089
3/22/2018	0.48		<0.08	0.25	
10/2/2018					0.083
10/3/2018	0.47	<0.08			
10/4/2018			<0.08	0.21	
3/26/2019		<0.08			
3/27/2019	0.33		<0.08	0.16	0.067
9/11/2019	0.31	<0.08	<0.08	0.21	0.083
3/18/2020	0.26	<0.08		0.16	0.058 (J)
3/19/2020			<0.08		
9/9/2020	0.24			0.13	0.088
9/10/2020		<0.08	<0.08		
4/1/2021	0.23		<0.08		0.059 (J)
4/5/2021		0.042 (J)		0.18	

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		<0.0025	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	<0.0025	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	<0.0025	<0.0025	<0.0025		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	<0.0025	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	<0.0025			<0.0025	

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	<0.0025	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	<0.0025			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	<0.0025 (D)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	<0.0025	<0.0025	0.00013 (J)	<0.0025	
9/11/2019					<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					<0.0025
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	<0.0025	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	<0.0025			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	<0.0025		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	<0.0025		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025 (D)			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/9/2020				<0.0025	<0.0025
9/10/2020	0.001 (J)	<0.0025	<0.0025		
4/1/2021	<0.0025	<0.0025		<0.0025	<0.0025
4/6/2021			<0.0025		

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				<0.0025	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	<0.0025	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025		<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	<0.0025		
6/20/2016				<0.0025	<0.0025
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				<0.0025	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					<0.0025
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	<0.0025	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	<0.0025	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2019		<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025		<0.0025		
3/18/2020		<0.0025		<0.0025	
3/19/2020	<0.0025		<0.0025		<0.0025
9/9/2020	<0.0025	<0.0025			
9/10/2020			<0.0025	<0.0025	<0.0025
4/1/2021		0.00038 (J)			
4/2/2021					<0.0025
4/5/2021	<0.0025		<0.0025		
4/6/2021				<0.0025	

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				0.001	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	0.0014	
10/27/2011				0.0011	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				0.0016	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	0.001	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				<0.0025	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			0.000379 (J)	
6/20/2016		<0.0025	<0.0025		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	<0.0025	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	0.00037 (J)	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	<0.0025	
6/21/2017	<0.0025	<0.0025		<0.0025	<0.0025
6/22/2017			<0.0025		
8/15/2017				<0.0025	
9/1/2017				<0.0025	
10/5/2017	<0.0025				<0.0025

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				<0.0025	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0025	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	<0.0025	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/18/2020	<0.0025	<0.0025		<0.0025	<0.0025
3/19/2020			<0.0025		
9/9/2020	<0.0025			<0.0025	<0.0025
9/10/2020		<0.0025	<0.0025		
4/1/2021	<0.0025		<0.0025		<0.0025
4/5/2021		<0.0025		0.0003 (J)	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	3.62	12.1	6.58		
4/12/2016				17.1	
4/13/2016					15.6 (D)
6/15/2016	4.5	11.8	6.9		
6/16/2016				19.8	
6/21/2016					14.4
8/10/2016	3.8	10	5.5		
8/11/2016				15	
8/15/2016					14
10/4/2016	5.3	14		17	
10/5/2016			6.8		17
11/29/2016		10	4.8		
11/30/2016	4.7			16	
12/1/2016					15
2/7/2017	3.8	12	7.8	17	
2/8/2017					17
4/4/2017	3.8	11	6.4		
4/5/2017				16	
4/6/2017					16
6/20/2017	4.1	11	7	17	
6/21/2017					16 (D)
10/4/2017	4.6			19	
10/5/2017		13	6.6		19
3/20/2018	4.2 (D)	12	6.6	18	
3/21/2018					17
10/2/2018	4.2	11	5.8	16	17
3/26/2019	4	11	6.7	16	
3/27/2019					16
9/10/2019	4.8	12	7.5	17	
9/11/2019					18
3/18/2020	3.8	12	7.3	19	20
9/9/2020	4	11	7.3	17	20
4/1/2021	4	12	7.8	18	19

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					10.5
4/13/2016	12.8 (D)	1.18 (D)	5.71 (D)	6.55 (D)	
6/16/2016					11.6
6/21/2016	11.6	1.12	5.54	6.04	
8/11/2016					10
8/15/2016	11	0.95	5.8	5.9	
10/4/2016				6.6	
10/5/2016	14	1			11
10/7/2016			6.1		
11/29/2016					9.6
12/1/2016	12	0.92	5.8	5.4	
2/7/2017				6.1	
2/8/2017	13	1.2			10
2/9/2017			6.3		
4/5/2017		1.1			
4/6/2017	12		5.8	6.1	9.7
6/20/2017	13	0.96		6.6	
6/21/2017					9.7 (D)
6/22/2017			6.4 (D)		
10/5/2017	14	1.1		7.2	11
10/6/2017			7.4		
3/20/2018				6.6	11
3/21/2018	13	1.3 (D)			
3/22/2018			6.8		
10/2/2018	12	0.86		6.5	9.6
10/3/2018			6.4		
3/26/2019		1.1	6.3	6.4	9.6
3/27/2019	12				
9/11/2019	13	0.94	7	7.3	10
3/18/2020	14	1.6	9.3	6.9	11
9/9/2020				6.5	10
9/10/2020	13	1.1	6.7		
4/1/2021	13	1.2		6.2	11
4/6/2021			7.4		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	10.4				
4/12/2016		17	13.5	8.52 (D)	11
6/16/2016	12.2	19.7	15		
6/20/2016				7.7	10.1
8/11/2016	9.5	15	12		
8/12/2016				7.3	9.9
10/4/2016		18			
10/5/2016	11		14	8.4	
10/6/2016					12
11/29/2016	9.8				
11/30/2016		16	12	8	11
2/7/2017		18			
2/8/2017	10		14	9.3	13
4/5/2017	10				
4/6/2017		16	13	8.1	12
6/20/2017		17			
6/21/2017	10 (D)		13 (D)	9.2 (D)	
6/22/2017					13 (D)
10/4/2017		19			
10/5/2017	12		15	10	
10/6/2017					15
3/20/2018	12	18			
3/21/2018			14	9.3	15
10/2/2018	11	16			
10/3/2018			13	7.5	13
3/26/2019	11	17	12	7.3	13
9/10/2019		18		6.6	12
9/12/2019	14		14		
3/18/2020		18		5.9	
3/19/2020	14		14		14
9/9/2020	15	17			
9/10/2020			13	6.3	13
4/1/2021		17			
4/2/2021					15
4/5/2021	15		14		
4/6/2021				7.4	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		17.8			
4/13/2016			14 (D)		18 (D)
4/19/2016	198			20	
6/20/2016		19.5	13.8		
6/22/2016	132				16.7
8/12/2016		17			
8/15/2016			13		16
8/16/2016	94				
10/6/2016	100	19	14		17
10/10/2016				19	
11/30/2016		19			
12/1/2016	100		13	18	17
2/8/2017					18
2/9/2017	120	18	14	20	
4/6/2017	140	18			17
4/7/2017			14	27	
6/21/2017	160 (D)	19 (D)		27 (D)	17 (D)
6/22/2017			14 (D)		
8/15/2017				29	
9/1/2017				32	
10/5/2017	130				19
10/6/2017		19	16		
3/21/2018		19			19
3/22/2018	130		15	30	
10/2/2018					16
10/3/2018	88	16			
10/4/2018			13	37	
3/26/2019		16			
3/27/2019	75		14	47	16
9/11/2019	46	19	14	37	17
3/18/2020	61	15		53	16
3/19/2020			15		
9/9/2020	35			64	16
9/10/2020		16	15		
4/1/2021	40		15		16
4/5/2021		16		52	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	5.342	1.789	1.69		
4/12/2016				4.32	
4/13/2016					2.04 (D)
6/15/2016	5.2	2.1	1.9		
6/16/2016				3.8	
6/21/2016					2.2
8/10/2016	5.5	1.8	1.7		
8/11/2016				4	
8/15/2016					2.2
10/4/2016	5.4	1.7		3.6	
10/5/2016			1.6		2.1
11/29/2016		1.7	1.7		
11/30/2016	5.4			3.8	
12/1/2016					2.1
2/7/2017	5.1	1.6	1.6	4.3	
2/8/2017					2.3
4/4/2017	5.1	1.6	1.5		
4/5/2017				4.1	
4/6/2017					2.2
6/20/2017	5.2	1.6	1.5	3.9	
6/21/2017					2.3
10/4/2017	5.2			3.6	
10/5/2017		1.5	1.5		2.3
3/20/2018	5.6 (D)	1.5	1.4	3.9	
3/21/2018					2.3
10/2/2018	6.3	1.6	1.5	3.7	2.6
3/26/2019	5.5	1.5	1.3	3.6	
3/27/2019					2.4
9/10/2019	5.2	1.4	1.3	2.9	
9/11/2019					2.9
3/18/2020	5.4	1.7	2	4.2	4.1
9/9/2020	6.1	1.6	1.3	3.9	4.3
4/1/2021	7	1.8	1.5	4.2	4.4

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					2.53
4/13/2016	1.78 (D)	1.8 (D)	1.82 (D)	2.71 (D)	
6/16/2016					2.5
6/21/2016	2	2	1.9	3	
8/11/2016					2.6
8/15/2016	1.9	1.8	1.6	3.1	
10/4/2016				3	
10/5/2016	1.8	1.7			2.5
10/7/2016			1.5		
11/29/2016					2.4
12/1/2016	1.8	1.7	1.4	3.1	
2/7/2017				2.9	
2/8/2017	1.8	1.7			2.5
2/9/2017			1.5		
4/5/2017		1.7			
4/6/2017	1.7		1.4	2.7	2.4
6/20/2017	1.7	1.6		2.9	
6/21/2017					2.4
6/22/2017			1.5		
10/5/2017	1.7	1.6		2.8	2.3
10/6/2017			1.3		
3/20/2018				2.7	2.3
3/21/2018	1.6	1.6 (D)			
3/22/2018			1.4		
10/2/2018	1.7	1.6		3	2.5
10/3/2018			1.5		
3/26/2019		1.7	1.6	2.5	2.7
3/27/2019	1.5				
9/11/2019	1.8	1.9	1.5	3.1	2.6
3/18/2020	1.9	2.1	1.6	3	2.7
9/9/2020				2.9	2.8
9/10/2020	1.9	1.8	1.7		
4/1/2021	1.9	2		3.8	2.8
4/6/2021			1.8		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	1.84				
4/12/2016		2.34	2.03	3.04 (D)	4.57
6/16/2016	1.9	2.4	2.2		
6/20/2016				3.1	3.1
8/11/2016	1.9	2.4	2.1		
8/16/2016				3.2	3.2
10/4/2016		2.2			
10/5/2016	1.7		1.9	3.2	
10/6/2016					3.4
11/29/2016	1.7				
11/30/2016		2.2	2	3.3	4.1
2/7/2017		2.1			
2/8/2017	1.7		2	3.5	7.2
4/5/2017	1.7				
4/6/2017		2.1	<1	3.4	7.4
6/20/2017		2.1			
6/21/2017	1.7		1.9	3.5	
6/22/2017					7.8
10/4/2017		2			
10/5/2017	1.6		1.9	3.5	
10/6/2017					9.1
3/20/2018	1.6	2			
3/21/2018			1.8	3.4	13
10/2/2018	1.7	2			
10/3/2018			2	3.5	13
3/26/2019	1.8	1.9	1.9	3	9.2
9/10/2019		1.7		2.5	5.1
9/12/2019	1.5		1.6		
3/18/2020		2.4		2.8	
3/19/2020	2.2		2.2		8.7
9/9/2020	2.4	2			
9/10/2020			2.1	2.7	9.7
4/1/2021		2.5			
4/2/2021					11
4/6/2021				2.9	
6/1/2021	2.6		2.1		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/13/2016			1.68 (D)		3.64 (D)
4/19/2016	124 (o)			6.9	
6/20/2016		6.8	2		
6/22/2016	81				3.8
8/15/2016			1.8		3.7
8/16/2016	71	7.6			
10/6/2016	68	7.3	1.7		3.4
10/10/2016				7.2	
11/30/2016		7.1			
12/1/2016	74		1.7	7.1	4
2/8/2017					4
2/9/2017	76	5.8	1.7	7.2	
4/6/2017	92	5.7			4
4/7/2017			1.7	7.5	
6/21/2017	100	6.1		7.6	3.3
6/22/2017			1.6		
8/15/2017				7.8	
9/1/2017				7.6	
10/5/2017	67				3.3
10/6/2017		5.1	1.6		
3/21/2018		5.4			3.6
3/22/2018	74		1.6	7	
10/2/2018					3.1
10/3/2018	46	5.7			
10/4/2018			1.7	6.1	
3/26/2019		4.2			
3/27/2019	42		1.7	6.6	3
9/11/2019	19	7.2	2.1	7	3.4
3/18/2020	30	4		8.5	3.4
3/19/2020			2.1		
9/9/2020	8.7			11	3.2
9/10/2020		6.3	2.5		
4/1/2021	18		2.9		4.3
6/1/2021				9.4	
6/2/2021		6.3			

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.0032 (J)		
5/9/2010	<0.002	0.003 (J)			
5/10/2010					0.011
5/11/2010				0.0077	
6/16/2010		0.0042 (J)	0.0037 (J)		0.0095
6/17/2010				0.0053	
6/18/2010	<0.002				
7/26/2010			0.0058		
7/27/2010		0.0048 (J)		0.0085	
7/28/2010	<0.002				0.01
9/7/2010		0.0037 (J)	0.0078		
9/8/2010					0.011
9/9/2010	<0.002			0.0076	
4/28/2011				0.0048 (J)	
4/29/2011		0.0046 (J)	0.005		0.0096
4/30/2011	<0.002				
10/27/2011					0.011
10/28/2011	<0.002	0.005	0.0068		
10/29/2011				0.0093	
5/2/2012	<0.002	0.0052	0.0065		
5/3/2012				0.01	
5/4/2012					0.01
11/9/2012	<0.002	0.0054	0.006	0.009	
11/11/2012					0.01
5/8/2013	<0.002	0.0058	0.0074		
5/9/2013				0.0085	0.011
11/5/2013	0.0036			0.015	0.015
11/6/2013		0.0062 (J)	0.0082 (J)		
5/20/2014	<0.002	0.0047 (J)	0.0051 (J)		
5/21/2014					0.013
5/23/2014				0.012	
11/8/2014		0.0064 (J)	0.0074 (J)		
11/12/2014	<0.002				0.012
11/13/2014				0.011	
5/22/2015	<0.002	0.0059 (J)	0.0084 (J)		
5/23/2015				0.012	0.014
11/9/2015		0.0043 (J)	0.009 (J)		
11/11/2015	<0.002			0.014	
11/12/2015					0.016
4/6/2016	<0.002	0.00457 (J)	0.00779 (J)		
4/12/2016				0.0135	
4/13/2016					0.0152 (D)
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				0.014	
6/21/2016					0.016
8/10/2016	<0.002	0.0042	0.0068		
8/11/2016				0.013	
8/15/2016					0.015
10/4/2016	<0.002	0.0052		0.014	
10/5/2016			0.0076		0.016
11/29/2016		0.004	0.0045		
11/30/2016	<0.002			0.013	

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					0.015
2/7/2017	<0.002	0.004	0.0067	0.013	
2/8/2017					0.017
4/4/2017	<0.002	0.0021 (J)	0.0079		
4/5/2017				0.014	
4/6/2017					0.018
6/20/2017	<0.002	0.0046	0.0084	0.013	
6/21/2017					0.017
10/4/2017	<0.002			0.015	
10/5/2017		0.005	0.0061		0.018
3/20/2018	<0.002 (D)	0.0044	0.006	0.013	
3/21/2018					0.017 (J+X)
10/2/2018	<0.002	0.0043	0.0061	0.014	0.018
3/26/2019	<0.002	0.0046	0.0065	0.013	
3/27/2019					0.017
9/10/2019	0.0023 (J)	0.0076	0.012	0.018	
9/11/2019					0.023
3/18/2020	<0.002	0.0044	0.0083	0.014	0.02
9/9/2020	<0.002	0.005	0.0088	0.014	0.018
4/1/2021	<0.002	0.0053	0.0082	0.014	0.02

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	0.0051	<0.002	
5/10/2010	0.011				0.012
6/16/2010	0.012				0.014
6/18/2010		<0.002	0.0043 (J)	<0.002	
7/26/2010					0.013
7/27/2010	0.012	0.002 (J)			
7/28/2010				<0.002	
7/29/2010			0.0058		
9/7/2010					0.015
9/8/2010	0.011	<0.002			
9/9/2010			0.0052	<0.002	
4/26/2011			0.0025 (J)		
4/29/2011	0.01	<0.002			0.014
4/30/2011				<0.002	
10/27/2011	0.0077				
10/28/2011		<0.002	0.0035 (J)	<0.002	0.014
5/2/2012					0.017
5/3/2012		<0.002		<0.002	
5/4/2012	0.0082		0.0073		
11/9/2012					0.014
11/10/2012	0.007	<0.002		<0.002	
11/11/2012			0.004 (J)		
5/8/2013			0.006	<0.002	0.017
5/9/2013	0.0079	<0.002			
11/5/2013				0.0036	
11/6/2013	0.011	0.0031 (J)			0.017
11/7/2013			0.0068 (J)		
5/20/2014	0.0076 (J)	0.002 (J)	0.0039 (J)	<0.002	
5/23/2014					0.013
11/8/2014					0.018
11/12/2014	0.0071 (J)	<0.002	0.0039 (J)	<0.002	
5/22/2015					0.02
5/23/2015		0.0027 (J)			
5/24/2015	0.0083 (J)		0.004 (J)	<0.002	
11/10/2015					0.013
11/11/2015				<0.002	
11/12/2015	0.0069 (J)	0.0022 (J)	0.0077 (J)		
4/11/2016					0.0139
4/13/2016	0.00804 (JD)	<0.002 (D)	0.0038 (JD)	<0.002 (D)	
6/16/2016					0.014
6/21/2016	0.0086 (J)	0.0012 (J)	0.0035 (J)	0.0006 (J)	
8/11/2016					0.016
8/15/2016	0.0073	0.0021 (J)	0.0034	<0.002	
10/4/2016				<0.002	
10/5/2016	0.0077	0.0013 (J)			0.014
10/7/2016			0.0037		
11/29/2016					0.013
12/1/2016	0.0075	0.0015 (J)	0.0037	<0.002	
2/7/2017				<0.002	
2/8/2017	0.0078	0.0016 (J)			0.013
2/9/2017			0.0038		
4/5/2017		0.0014 (J)			

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.0079		0.0039	<0.002	0.014
6/20/2017	0.0078	0.0015 (J)		<0.002	
6/21/2017					0.013
6/22/2017			0.0042		
10/5/2017	0.0081	0.0015 (J)		<0.002	0.014
10/6/2017			0.0039		
3/20/2018				<0.002	0.014
3/21/2018	<0.002 (X)	<0.002 (XD)			
3/22/2018			0.028 (O)		
10/2/2018	0.0075	0.0012 (J)		<0.002	0.014
10/3/2018			0.0056		
3/26/2019		0.0013 (J)	0.0048	<0.002	0.014
3/27/2019	0.007				
9/11/2019	0.011	0.0036	0.0075	0.0038	0.017
3/18/2020	0.0086	0.0016 (J)	0.008	<0.002	0.014
9/9/2020				<0.002	0.013
9/10/2020	0.009	<0.002	0.0054		
4/1/2021	0.0078	0.0015 (J)		<0.002	0.014
4/6/2021			0.0061		

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.0039 (J)	0.0051	0.0063	0.01	0.0046 (J)
6/16/2010	0.0049 (J)				
6/17/2010			0.0053	0.0087	0.007
6/19/2010		<0.002			
7/27/2010	0.0047 (J)	0.01	0.0064		
7/28/2010				0.028 (O)	0.0084
9/7/2010	0.0057		0.0078	0.022	
9/8/2010					0.0071
9/9/2010		0.0072			
4/28/2011		0.0077			0.008
4/29/2011	0.0087		0.0065	0.0099	
10/28/2011	0.0075	0.011	0.0092	0.0089	
10/29/2011					0.0054
5/2/2012	0.011				
5/3/2012		0.011	0.011	0.0091	0.0065
11/9/2012	0.0076	0.0089		0.008	
11/10/2012			0.0073		0.0059
5/9/2013	0.0088	0.0089	0.0098		
5/10/2013				0.019	0.0083
11/5/2013		0.011			
11/6/2013	0.011		0.011	0.013	0.0099 (J)
5/22/2014	0.0057 (J)	0.01	0.0097 (J)	0.0093 (J)	0.0049 (J)
11/8/2014	0.013				
11/9/2014			0.012	0.0098 (J)	0.0068 (J)
11/13/2014		0.0084 (J)			
5/22/2015				0.01	0.0087 (J)
5/23/2015	0.014				
5/24/2015		0.0095 (J)	0.016		
11/10/2015	0.0091 (J)		0.0088 (J)	0.011	
11/11/2015		0.011			0.0084 (J)
4/11/2016	0.00767 (J)				
4/12/2016		0.0122	0.00965 (J)	0.00925 (JD)	0.00419 (J)
6/16/2016	<0.002	<0.002	<0.002		
6/20/2016				0.0076 (J)	0.0043 (J)
8/11/2016	0.0085	0.01	0.0083		
8/12/2016				0.0079	0.0037
10/4/2016		0.011			
10/5/2016	0.01		0.0094	0.0085	
10/6/2016					0.0062
11/29/2016	0.0087				
11/30/2016		0.0098	0.0084	0.0086	0.0043
2/7/2017		0.0096			
2/8/2017	0.0093		0.0091	0.011	0.0052
4/5/2017	0.0098				
4/6/2017		0.01	0.011	0.0098	0.005
6/20/2017		0.01			
6/21/2017	0.0094		0.0081	0.011	
6/22/2017					0.0052
10/4/2017		0.011			
10/5/2017	0.0096		0.0083	0.01	
10/6/2017					0.0049
3/20/2018	0.0097	0.0099			

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.002 (X)	<0.002 (X)	<0.002 (X)
10/2/2018	0.0097	0.01			
10/3/2018			0.0091	0.0081	0.0039
3/26/2019	0.0091	0.0096	0.0092	0.0075	0.0084
9/10/2019		0.014		0.0092	0.0067
9/12/2019	0.012		0.011		
3/18/2020		0.011		0.0049	
3/19/2020	0.012		0.0094		0.0045
9/9/2020	0.011	0.01			
9/10/2020			0.009	0.0061	0.0055
4/1/2021		0.0057			
4/2/2021					0.0052
4/5/2021	0.012		0.008		
4/6/2021				0.0074	

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.007	<0.002	0.0097
5/11/2010	0.004 (J)	<0.002			
6/16/2010					0.0074
6/18/2010	0.0056	0.0063	0.011		
6/19/2010				<0.002	
7/27/2010	0.0051	0.004 (J)			0.0068
7/28/2010			0.0092	0.0034 (J)	
9/8/2010				0.014	0.007
9/9/2010	0.0037 (J)	0.0053	0.01		
4/29/2011	0.0036 (J)				0.0062
4/30/2011		0.0035 (J)	0.012	0.022	
10/27/2011				0.0064	0.0084
10/28/2011	0.0026 (J)				
10/29/2011		0.0048 (J)	0.012		
5/3/2012					0.0099
5/4/2012	0.0031 (J)	0.0064	0.013	0.0059	
11/10/2012	<0.002	0.0084	0.0097		
11/11/2012				0.011	0.0073
5/9/2013	0.0033 (J)	0.0041 (J)	0.013		0.0085
5/10/2013				0.038 (O)	
11/6/2013	0.0045 (J)				0.013
11/7/2013		0.0077 (J)	0.013	0.012	
5/21/2014		0.0044 (J)	0.0091 (J)	0.0048 (J)	0.0097 (J)
5/22/2014	0.0035 (J)				
11/9/2014	0.0062 (J)	0.0071 (J)			
11/12/2014			0.0097 (J)		0.0072 (J)
11/13/2014				0.023	
5/23/2015				0.015	0.0095 (J)
5/24/2015	0.012	0.01	0.018		
11/11/2015	0.0068 (J)	0.0053 (J)	0.0086 (J)	0.016	
11/12/2015					0.0046 (J)
4/12/2016		0.00493 (J)			
4/13/2016			0.00924 (JD)		0.00627 (JD)
4/19/2016	0.00368 (J)			0.0086 (J)	
6/20/2016		0.0043 (J)	0.0084 (J)		
6/22/2016	0.0031 (J)				0.0079 (J)
8/12/2016		0.0037			
8/15/2016			0.0083		0.0075
8/16/2016	0.0028				
10/6/2016	0.003	0.004	0.0081		0.0071
10/10/2016				0.0052	
11/30/2016		0.0035			
12/1/2016	0.0022 (J)		0.0083	0.0062	0.007
2/8/2017					0.0047
2/9/2017	0.0035	0.0041	0.0087	0.0091	
4/6/2017	0.0032	0.0038			0.006
4/7/2017			0.009	<0.002	
6/21/2017	0.0031	0.004		<0.002	0.0071
6/22/2017			0.0092		
8/15/2017				<0.002	
9/1/2017				<0.002	
10/5/2017	0.0029				0.008

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		0.0038	0.0095		
10/9/2017				<0.002	
3/21/2018		<0.002 (X)			<0.002 (X)
3/22/2018	0.0086 (J+X)		0.0086 (J+X)	0.0079 (J+X)	
10/2/2018					0.0081
10/3/2018	0.003	0.0042			
10/4/2018			0.0083	<0.002	
3/26/2019		0.0044			
3/27/2019	0.0039		0.0088	<0.002	0.0064
9/11/2019	0.0079	0.0078	0.013	0.0052	0.012
3/18/2020	0.0052	0.0046		<0.002	0.0066
3/19/2020			0.011		
9/9/2020	0.0048			<0.002	0.0081
9/10/2020		0.0049	0.0098		
4/1/2021	0.0058		0.0091		0.0018 (J)
4/5/2021		0.005		<0.002	

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0025		
5/9/2010	<0.0025	<0.0025			
5/10/2010					<0.0025
5/11/2010				<0.0025	
6/16/2010		<0.0025	<0.0025		<0.0025
6/17/2010				<0.0025	
6/18/2010	<0.0025				
7/26/2010			<0.0025		
7/27/2010		<0.0025		<0.0025	
7/28/2010	<0.0025				<0.0025
9/7/2010		<0.0025	<0.0025		
9/8/2010					<0.0025
9/9/2010	<0.0025			<0.0025	
4/28/2011				<0.0025	
4/29/2011		0.003 (O)	<0.0025		<0.0025
4/30/2011	<0.0025				
10/27/2011					<0.0025
10/28/2011	<0.0025	<0.0025	<0.0025		
10/29/2011				<0.0025	
5/2/2012	<0.0025	<0.0025	<0.0025		
5/3/2012				<0.0025	
5/4/2012					<0.0025
11/9/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/11/2012					<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025		
5/9/2013				<0.0025	<0.0025
11/5/2013	<0.0025			<0.0025	<0.0025
11/6/2013		<0.0025	<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025		
5/21/2014					<0.0025
5/23/2014				<0.0025	
11/8/2014		<0.0025	<0.0025		
11/12/2014	<0.0025				<0.0025
11/13/2014				<0.0025	
5/22/2015	<0.0025	<0.0025	<0.0025		
5/23/2015				<0.0025	<0.0025
11/9/2015		<0.0025	<0.0025		
11/11/2015	<0.0025			<0.0025	
11/12/2015					<0.0025
4/6/2016	0.00261 (O)	<0.0025	<0.0025		
4/12/2016				<0.0025	
4/13/2016					<0.0025 (D)
6/15/2016	0.00092 (J)	2.2E-05 (J)	8.4E-05 (J)		
6/16/2016				<0.0025	
6/21/2016					<0.0025
8/10/2016	0.00076 (J)	<0.0025	<0.0025		
8/11/2016				<0.0025	
8/15/2016					<0.0025
10/4/2016	0.00081 (J)	<0.0025		<0.0025	
10/5/2016			<0.0025		<0.0025
11/29/2016		<0.0025	<0.0025		
11/30/2016	0.00061 (J)			<0.0025	

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0025
2/7/2017	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2017					<0.0025
4/4/2017	0.00084 (J)	<0.0025	<0.0025		
4/5/2017				<0.0025	
4/6/2017					<0.0025
6/20/2017	0.0012 (J)	<0.0025	<0.0025	<0.0025	
6/21/2017					<0.0025
10/4/2017	0.00087 (J)			<0.0025	
10/5/2017		<0.0025	<0.0025		<0.0025
3/20/2018	0.0018 (JD)	<0.0025	<0.0025	<0.0025	
3/21/2018					<0.0025
10/2/2018	0.0011 (J)	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	0.0019 (J)	<0.0025	<0.0025	<0.0025	
3/27/2019					<0.0025
9/10/2019	0.0012 (J)	0.00031 (J)	0.00052 (J)	<0.0025	
9/11/2019					<0.0025
3/18/2020	0.0017 (J)	0.00034 (J)	<0.0025	0.00017 (J)	<0.0025
9/9/2020	0.0016 (J)	<0.0025	0.00019 (J)	<0.0025	<0.0025
4/1/2021	0.0024 (J)	0.00014 (J)	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.0025	<0.0025	<0.0025	
5/10/2010	<0.0025				<0.0025
6/16/2010	<0.0025				<0.0025
6/18/2010		<0.0025	<0.0025	<0.0025	
7/26/2010					<0.0025
7/27/2010	<0.0025	<0.0025			
7/28/2010				<0.0025	
7/29/2010			<0.0025		
9/7/2010					<0.0025
9/8/2010	<0.0025	<0.0025			
9/9/2010			<0.0025	<0.0025	
4/26/2011			<0.0025		
4/29/2011	<0.0025	<0.0025			<0.0025
4/30/2011				<0.0025	
10/27/2011	<0.0025				
10/28/2011		<0.0025	<0.0025	<0.0025	<0.0025
5/2/2012					<0.0025
5/3/2012		<0.0025		<0.0025	
5/4/2012	<0.0025		<0.0025		
11/9/2012					<0.0025
11/10/2012	<0.0025	<0.0025		<0.0025	
11/11/2012			<0.0025		
5/8/2013			<0.0025	<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025			
11/5/2013				<0.0025	
11/6/2013	<0.0025	<0.0025			<0.0025
11/7/2013			<0.0025		
5/20/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/23/2014					<0.0025
11/8/2014					<0.0025
11/12/2014	<0.0025	<0.0025	<0.0025	<0.0025	
5/22/2015					0.0032 (O)
5/23/2015		<0.0025			
5/24/2015	<0.0025		<0.0025	<0.0025	
11/10/2015					<0.0025
11/11/2015				<0.0025	
11/12/2015	<0.0025	<0.0025	<0.0025		
4/11/2016					<0.0025
4/13/2016	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	<0.0025 (D)	
6/16/2016					<0.0025
6/21/2016	<0.0025	0.0004 (J)	<0.0025	<0.0025	
8/11/2016					<0.0025
8/15/2016	<0.0025	0.00042 (J)	<0.0025	<0.0025	
10/4/2016				<0.0025	
10/5/2016	<0.0025	0.00049 (J)			<0.0025
10/7/2016			<0.0025		
11/29/2016					<0.0025
12/1/2016	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2017				<0.0025	
2/8/2017	<0.0025	<0.0025			<0.0025
2/9/2017			<0.0025		
4/5/2017		<0.0025			

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0025		<0.0025	<0.0025	<0.0025
6/20/2017	<0.0025	0.0004 (J)		<0.0025	
6/21/2017					<0.0025
6/22/2017			<0.0025		
10/5/2017	<0.0025	0.00041 (J)		<0.0025	<0.0025
10/6/2017			<0.0025		
3/20/2018				<0.0025	<0.0025
3/21/2018	<0.0025	<0.0025			
3/22/2018			<0.0025		
10/2/2018	<0.0025	<0.0025		<0.0025	<0.0025
10/3/2018			<0.0025		
3/26/2019		<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025				
9/11/2019	<0.0025	0.00042 (J)	<0.0025	<0.0025	0.00023 (J)
3/18/2020	<0.0025	0.00013 (J)	<0.0025	<0.0025	0.00018 (J)
9/9/2020				<0.0025	0.00014 (J)
9/10/2020	0.00033 (J)	0.00057 (J)	<0.0025		
4/1/2021	<0.0025	0.00028 (J)		<0.0025	<0.0025
4/6/2021			<0.0025		

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/16/2010	<0.0025				
6/17/2010			<0.0025	<0.0025	<0.0025
6/19/2010		<0.0025			
7/27/2010	<0.0025	<0.0025	<0.0025		
7/28/2010				0.0034 (O)	<0.0025
9/7/2010	<0.0025		<0.0025	<0.0025	
9/8/2010					<0.0025
9/9/2010		<0.0025			
4/28/2011		<0.0025			<0.0025
4/29/2011	<0.0025		<0.0025	0.0037 (O)	
10/28/2011	<0.0025	<0.0025	<0.0025	<0.0025	
10/29/2011					<0.0025
5/2/2012	<0.0025				
5/3/2012		<0.0025	<0.0025	<0.0025	<0.0025
11/9/2012	<0.0025	<0.0025		<0.0025	
11/10/2012			<0.0025		<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		
5/10/2013				<0.0025	<0.0025
11/5/2013		<0.0025			
11/6/2013	<0.0025		<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025				
11/9/2014			<0.0025	<0.0025	<0.0025
11/13/2014		<0.0025			
5/22/2015				<0.0025	<0.0025
5/23/2015	<0.0025				
5/24/2015		<0.0025	<0.0025		
11/10/2015	<0.0025		<0.0025	<0.0025	
11/11/2015		<0.0025			<0.0025
4/11/2016	<0.0025				
4/12/2016		<0.0025	<0.0025	<0.0025 (D)	<0.0025
6/16/2016	<0.0025	<0.0025	0.00012 (J)		
6/20/2016				0.0001 (J)	0.00016 (J)
8/11/2016	<0.0025	<0.0025	<0.0025		
8/12/2016				0.00042 (J)	<0.0025
10/4/2016		<0.0025			
10/5/2016	<0.0025		<0.0025	<0.0025	
10/6/2016					0.00068 (J)
11/29/2016	<0.0025				
11/30/2016		<0.0025	<0.0025	<0.0025	<0.0025
2/7/2017		<0.0025			
2/8/2017	<0.0025		<0.0025	<0.0025	<0.0025
4/5/2017	<0.0025				
4/6/2017		<0.0025	0.0005 (J)	<0.0025	<0.0025
6/20/2017		<0.0025			
6/21/2017	<0.0025		<0.0025	0.00042 (J)	
6/22/2017					<0.0025
10/4/2017		<0.0025			
10/5/2017	<0.0025		<0.0025	<0.0025	
10/6/2017					<0.0025
3/20/2018	<0.0025	<0.0025			

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0025	<0.0025	<0.0025
10/2/2018	<0.0025	<0.0025			
10/3/2018			<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	0.00096 (J)
9/10/2019		0.00015 (J)		0.00028 (J)	<0.0025
9/12/2019	0.00021 (J)		0.00021 (J)		
3/18/2020		<0.0025		0.00014 (J)	
3/19/2020	0.00014 (J)		0.00026 (J)		0.00021 (J)
9/9/2020	<0.0025	<0.0025			
9/10/2020			0.00018 (J)	0.00023 (J)	0.00032 (J)
4/1/2021		<0.0025			
4/2/2021					0.00026 (J)
4/5/2021	<0.0025		<0.0025		
4/6/2021				0.00031 (J)	

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0025	<0.0025	<0.0025
5/11/2010	<0.0025	<0.0025			
6/16/2010					<0.0025
6/18/2010	<0.0025	<0.0025	<0.0025		
6/19/2010				<0.0025	
7/27/2010	<0.0025	<0.0025			<0.0025
7/28/2010			<0.0025	<0.0025	
9/8/2010				<0.0025	<0.0025
9/9/2010	<0.0025	<0.0025	<0.0025		
4/29/2011	<0.0025				<0.0025
4/30/2011		<0.0025	<0.0025	0.0063 (O)	
10/27/2011				<0.0025	<0.0025
10/28/2011	<0.0025				
10/29/2011		<0.0025	<0.0025		
5/3/2012					<0.0025
5/4/2012	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2012	<0.0025	<0.0025	<0.0025		
11/11/2012				<0.0025	<0.0025
5/9/2013	<0.0025	<0.0025	<0.0025		<0.0025
5/10/2013				0.0068 (O)	
11/6/2013	<0.0025				<0.0025
11/7/2013		<0.0025	<0.0025	<0.0025	
5/21/2014		<0.0025	<0.0025	<0.0025	<0.0025
5/22/2014	<0.0025				
11/9/2014	<0.0025	<0.0025			
11/12/2014			<0.0025		<0.0025
11/13/2014				0.0046	
5/23/2015				<0.0025	<0.0025
5/24/2015	<0.0025	<0.0025	<0.0025		
11/11/2015	<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015					<0.0025
4/12/2016		<0.0025			
4/13/2016			<0.0025 (D)		<0.0025 (D)
4/19/2016	<0.0025			<0.0025	
6/20/2016		3E-05 (J)	8.6E-05 (J)		
6/22/2016	<0.0025				<0.0025
8/12/2016		<0.0025			
8/15/2016			<0.0025		<0.0025
8/16/2016	<0.0025				
10/6/2016	<0.0025	<0.0025	<0.0025		<0.0025
10/10/2016				<0.0025	
11/30/2016		<0.0025			
12/1/2016	<0.0025		<0.0025	0.00068 (J)	<0.0025
2/8/2017					<0.0025
2/9/2017	<0.0025	<0.0025	<0.0025	0.0009 (J)	
4/6/2017	<0.0025	<0.0025			<0.0025
4/7/2017			<0.0025	0.0011 (J)	
6/21/2017	<0.0025	<0.0025		0.00064 (J)	<0.0025
6/22/2017			<0.0025		
8/15/2017				0.001 (J)	
9/1/2017				0.00089 (J)	
10/5/2017	<0.0025				<0.0025

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0025	<0.0025		
10/9/2017				0.00085 (J)	
3/21/2018		<0.0025			<0.0025
3/22/2018	<0.0025		<0.0025	<0.0004 (o)	
10/2/2018					<0.0025
10/3/2018	<0.0025	<0.0025			
10/4/2018			<0.0025	0.00048 (J)	
3/26/2019		<0.0025			
3/27/2019	<0.0025		<0.0025	0.0012 (J)	<0.0025
9/11/2019	9.9E-05 (J)	8.7E-05 (J)	0.00016 (J)	0.00085 (J)	0.00016 (J)
3/18/2020	<0.0025	<0.0025		0.0027	<0.0025
3/19/2020			0.00013 (J)		
9/9/2020	<0.0025			0.0043	0.00023 (J)
9/10/2020		<0.0025	0.00038 (J)		
4/1/2021	<0.0025		0.00015 (J)		0.00015 (J)
4/5/2021		0.00015 (J)		0.0026	

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.002		
5/9/2010	<0.002	<0.002			
5/10/2010					<0.002
5/11/2010				<0.002	
6/16/2010		<0.002	<0.002		<0.002
6/17/2010				<0.002	
6/18/2010	<0.002				
7/26/2010			<0.002		
7/27/2010		<0.002		<0.002	
7/28/2010	<0.002				<0.002
9/7/2010		<0.002	<0.002		
9/8/2010					<0.002
9/9/2010	<0.002			<0.002	
4/28/2011				<0.002	
4/29/2011		<0.002	<0.002		<0.002
4/30/2011	<0.002				
10/27/2011					<0.002
10/28/2011	<0.002	<0.002	<0.002		
10/29/2011				<0.002	
5/2/2012	<0.002	<0.002	<0.002		
5/3/2012				<0.002	
5/4/2012					<0.002
11/9/2012	<0.002	<0.002	<0.002	<0.002	
11/11/2012					<0.002
5/8/2013	<0.002	<0.002	<0.002		
5/9/2013				<0.002	<0.002
11/5/2013	<0.002			<0.002	<0.002
11/6/2013		<0.002	<0.002		
5/20/2014	<0.002	<0.002	<0.002		
5/21/2014					<0.002
5/23/2014				<0.002	
11/8/2014		<0.002	<0.002		
11/12/2014	<0.002				<0.002
11/13/2014				<0.002	
5/22/2015	<0.002	<0.002	<0.002		
5/23/2015				<0.002	<0.002
11/9/2015		<0.002	<0.002		
11/11/2015	<0.002			<0.002	
11/12/2015					<0.002
4/6/2016	<0.002	<0.002	<0.002		
4/12/2016				<0.002	
4/13/2016					<0.002 (D)
10/4/2016	<0.002	<0.002		<0.002	
10/5/2016			<0.002		<0.002
4/4/2017	<0.002	<0.002	<0.002		
4/5/2017				<0.002	
4/6/2017					<0.002
10/4/2017	<0.002			<0.002	
10/5/2017		<0.002	<0.002		<0.002
3/20/2018	<0.002 (D)	<0.002	<0.002	<0.002	
3/21/2018					<0.002
10/2/2018	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	<0.002	0.00095 (J)	0.0012 (J)	<0.002	
9/11/2019					<0.002
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2021	<0.002	0.00074 (J)	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.002	<0.002	<0.002	
5/10/2010	<0.002				<0.002
6/16/2010	<0.002				0.0025 (J)
6/18/2010		<0.002	<0.002	<0.002	
7/26/2010					0.0023 (J)
7/27/2010	<0.002	<0.002			
7/28/2010				<0.002	
7/29/2010			<0.002		
9/7/2010					<0.002
9/8/2010	<0.002	<0.002			
9/9/2010			<0.002	<0.002	
4/26/2011			<0.002		
4/29/2011	<0.002	<0.002			<0.002
4/30/2011				<0.002	
10/27/2011	<0.002				
10/28/2011		<0.002	<0.002	<0.002	<0.002
5/2/2012					<0.002
5/3/2012		<0.002		0.0021 (J)	
5/4/2012	<0.002		0.0024 (J)		
11/9/2012					<0.002
11/10/2012	<0.002	<0.002		<0.002	
11/11/2012			<0.002		
5/8/2013			<0.002	<0.002	<0.002
5/9/2013	<0.002	<0.002			
11/5/2013				<0.002	
11/6/2013	<0.002	<0.002			<0.002
11/7/2013			<0.002		
5/20/2014	<0.002	<0.002	<0.002	<0.002	
5/23/2014					<0.002
11/8/2014					<0.002
11/12/2014	<0.002	<0.002	<0.002	<0.002	
5/22/2015					<0.002
5/23/2015		<0.002			
5/24/2015	<0.002		<0.002	<0.002	
11/10/2015					<0.002
11/11/2015				<0.002	
11/12/2015	<0.002	<0.002	<0.002		
4/11/2016					<0.002
4/13/2016	<0.002 (D)	<0.002 (D)	<0.002 (D)	<0.002 (D)	
10/4/2016				<0.002	
10/5/2016	<0.002	<0.002			<0.002
10/7/2016			<0.002		
4/5/2017		<0.002			
4/6/2017	<0.002		<0.002	<0.002	<0.002
10/5/2017	0.0021 (J)	<0.002		<0.002	<0.002
10/6/2017			<0.002		
3/20/2018				<0.002	<0.002
3/21/2018	<0.002	<0.002 (D)			
3/22/2018			<0.002		
10/2/2018	<0.002	<0.002		<0.002	<0.002
10/3/2018			<0.002		
3/26/2019		<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.002				
9/11/2019	<0.002	<0.002	<0.002	<0.002	0.00084 (J)
3/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/9/2020				<0.002	0.00084 (J)
9/10/2020	0.0007 (J)	<0.002	<0.002		
4/1/2021	<0.002	<0.002		<0.002	<0.002
4/6/2021			<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.002	<0.002	<0.002	0.003 (J)	<0.002
6/16/2010	<0.002				
6/17/2010			<0.002	<0.002	0.0022 (J)
6/19/2010		<0.002			
7/27/2010	<0.002	<0.002	0.0021 (J)		
7/28/2010				0.012 (O)	0.0033 (J)
9/7/2010	<0.002		<0.002	0.0026 (J)	
9/8/2010					<0.002
9/9/2010		<0.002			
4/28/2011		<0.002			0.0037 (J)
4/29/2011	<0.002		<0.002	<0.002	
10/28/2011	<0.002	<0.002	<0.002	<0.002	
10/29/2011					<0.002
5/2/2012	<0.002				
5/3/2012		<0.002	<0.002	<0.002	0.0031 (J)
11/9/2012	<0.002	<0.002		<0.002	
11/10/2012			<0.002		0.0021 (J)
5/9/2013	<0.002	<0.002	<0.002		
5/10/2013				0.0042 (J)	0.0025 (J)
11/5/2013		<0.002			
11/6/2013	<0.002		<0.002	<0.002	0.0032 (J)
5/22/2014	<0.002	<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002				
11/9/2014			<0.002	<0.002	<0.002
11/13/2014		<0.002			
5/22/2015				<0.002	<0.002
5/23/2015	<0.002				
5/24/2015		<0.002	<0.002		
11/10/2015	<0.002	<0.002	<0.002	<0.002	
11/11/2015		<0.002			0.002 (J)
4/11/2016	<0.002				
4/12/2016		<0.002	<0.002	<0.002 (D)	<0.002
10/4/2016		<0.002			
10/5/2016	<0.002		<0.002	<0.002	
10/6/2016					0.0022 (J)
4/5/2017	<0.002				
4/6/2017		<0.002	<0.002	<0.002	<0.002
10/4/2017		<0.002			
10/5/2017	<0.002		<0.002	<0.002	
10/6/2017					<0.002
3/20/2018	<0.002	<0.002			
3/21/2018			<0.002	<0.002	<0.002
10/2/2018	<0.002	<0.002			
10/3/2018			<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	0.0039
9/10/2019		<0.002		0.0011 (J)	0.0017 (J)
3/18/2020		<0.002		<0.002	
3/19/2020	<0.002		<0.002		<0.002
9/9/2020	<0.002	<0.002			
9/10/2020			<0.002	0.00072 (J)	0.0011 (J)
4/1/2021		0.00069 (J)			
4/2/2021					0.0012 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/5/2021	<0.002		<0.002		
4/6/2021				0.00088 (J)	

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.002	0.0036 (J)	<0.002
5/11/2010	<0.002	<0.002			
6/16/2010					<0.002
6/18/2010	<0.002	0.0026 (J)	0.008 (O)		
6/19/2010				0.004 (J)	
7/27/2010	<0.002	0.0029 (J)			<0.002
7/28/2010			0.0021 (J)	0.013	
9/8/2010				0.068	<0.002
9/9/2010	<0.002	<0.002	<0.002		
4/29/2011	<0.002				<0.002
4/30/2011		<0.002	<0.002	0.098	
10/27/2011				0.02	<0.002
10/28/2011	<0.002				
10/29/2011		<0.002	<0.002		
5/3/2012					0.0023
5/4/2012	<0.002	0.0037 (J)	<0.002	0.024	
11/10/2012	<0.002	<0.002	<0.002		
11/11/2012				0.032	<0.002
5/9/2013	<0.002	<0.002	<0.002		<0.002
5/10/2013				0.18	
11/6/2013	<0.002				<0.002
11/7/2013		<0.002	0.0022 (J)	0.021	
5/21/2014		<0.002	<0.002	0.0089 (J)	<0.002
5/22/2014	<0.002				
11/9/2014	<0.002	<0.002			
11/12/2014			<0.002		<0.002
11/13/2014				0.1	
5/23/2015				0.048	<0.002
5/24/2015	<0.002	<0.002	0.0022 (J)		
11/11/2015	<0.002	<0.002	<0.002	0.059	
11/12/2015					<0.002
4/12/2016		<0.002			
4/13/2016			<0.002 (D)		<0.002 (D)
4/19/2016	<0.002			0.0131 (J)	
10/6/2016	<0.002	<0.002	<0.002		<0.002
10/10/2016				0.0046	
4/6/2017	<0.002	<0.002			<0.002
4/7/2017			<0.002	<0.002	
10/5/2017	<0.002				<0.002
10/6/2017		<0.002	0.0026		
10/9/2017				<0.002	
3/21/2018		<0.002			0.0038
3/22/2018	<0.002		<0.002	<0.002	
10/2/2018					<0.002
10/3/2018	<0.002	<0.002			
10/4/2018			<0.002	<0.002	
3/26/2019		<0.002			
3/27/2019	<0.002		<0.002	<0.002	<0.002
9/11/2019	<0.002	0.00066 (J)	0.00086 (J)	<0.002	<0.002
3/18/2020	<0.002	<0.002		<0.002	<0.002
3/19/2020			<0.002		
9/9/2020	<0.002			<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.002	0.0024		
4/1/2021	<0.002		0.00094 (J)		<0.002
4/5/2021		<0.002		<0.002	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	0.017 (J)	0.048 (J)	0.039 (J)		
4/12/2016				0.087 (J)	
4/13/2016					0.082 (JD)
6/15/2016	<0.1	<0.1	<0.1		
6/16/2016				0.04 (J)	
6/21/2016					0.02 (J)
8/10/2016	<0.1	<0.1	<0.1		
8/11/2016				0.092 (J)	
8/15/2016					<0.1
10/4/2016	<0.1	<0.1		<0.1	
10/5/2016			<0.1		<0.1
11/29/2016		<0.1	<0.1		
11/30/2016	<0.1			0.091 (J)	
12/1/2016					<0.1
2/7/2017	<0.1	<0.1	<0.1	<0.1	
2/8/2017					<0.1
4/4/2017	<0.1	<0.1	<0.1		
4/5/2017				<0.1	
4/6/2017					<0.1
6/20/2017	<0.1	<0.1	<0.1	0.082 (J)	
6/21/2017					<0.1
10/4/2017	<0.1			<0.1	
10/5/2017		<0.1	<0.1		<0.1
3/20/2018	<0.1 (D)	<0.1	<0.1	<0.1	
3/21/2018					<0.1
10/2/2018	<0.1	<0.1	<0.1	0.089 (J)	<0.1
3/26/2019	<0.1	0.041 (J)	0.042 (J)	0.072 (J)	
3/27/2019					0.077 (J)
9/10/2019	<0.1	0.047 (J)	0.046 (J)	0.077 (J)	
9/11/2019					0.067 (J)
3/18/2020	0.036 (J)	0.041 (J)	0.071 (J)	0.098 (J)	0.088 (J)
9/9/2020	<0.1	0.034 (J)	0.036 (J)	0.069 (J)	0.055 (J)
4/1/2021	<0.1	0.035 (J)	0.042 (J)	0.081 (J)	0.086 (J)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					0.047 (J)
4/13/2016	0.061 (JD)	0.01 (JD)	0.039 (JD)	0.027 (JD)	
6/16/2016					<0.1
6/21/2016	0.03 (J)	<0.1	<0.1	<0.1	
8/11/2016					<0.1
8/15/2016	<0.1	<0.1	<0.1	<0.1	
10/4/2016				<0.1	
10/5/2016	<0.1	<0.1			<0.1
10/7/2016			<0.1		
11/29/2016					<0.1
12/1/2016	<0.1	<0.1	<0.1	<0.1	
2/7/2017				<0.1	
2/8/2017	<0.1	<0.1			<0.1
2/9/2017			<0.1		
4/5/2017		<0.1			
4/6/2017	<0.1		<0.1	<0.1	<0.1
6/20/2017	<0.1	<0.1		<0.1	
6/21/2017					<0.1
6/22/2017			<0.1		
10/5/2017	<0.1	<0.1		<0.1	<0.1
10/6/2017			<0.1		
3/20/2018				<0.1	<0.1
3/21/2018	<0.1	<0.1 (D)			
3/22/2018			<0.1		
10/2/2018	<0.1	<0.1		<0.1	<0.1
10/3/2018			<0.1		
3/26/2019		0.026 (J)	0.04 (J)	0.034 (J)	0.046 (J)
3/27/2019	0.048 (J)				
9/11/2019	0.054 (J)	0.039 (J)	0.051 (J)	0.045 (J)	0.055 (J)
3/18/2020	0.064 (J)	0.046 (J)	0.055 (J)	0.068 (J)	<0.1
9/9/2020				<0.1	0.045 (J)
9/10/2020	0.052 (J)	<0.1	0.034 (J)		
4/1/2021	0.042 (J)	<0.1		<0.1	0.041 (J)
4/6/2021			0.026 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	0.048 (J)				
4/12/2016		0.046 (J)	0.056 (J)	0.057 (JD)	0.121 (J)
6/16/2016	<0.1	<0.1	<0.1		
6/20/2016				0.04 (J)	0.04 (J)
8/11/2016	<0.1	<0.1	<0.1		
8/16/2016				<0.1	0.13 (J)
10/4/2016		<0.1			
10/5/2016	<0.1		<0.1	<0.1	
10/6/2016					0.1 (J)
11/29/2016	<0.1				
11/30/2016		<0.1	<0.1	<0.1	0.13 (J)
2/7/2017		<0.1			
2/8/2017	<0.1		<0.1	<0.1	0.093 (J)
4/5/2017	<0.1				
4/6/2017		<0.1	<0.1	<0.1	0.1 (J)
6/20/2017		<0.1			
6/21/2017	<0.1		<0.1	<0.1	
6/22/2017					0.11 (J)
10/4/2017		<0.1			
10/5/2017	<0.1		<0.1	<0.1	
10/6/2017					0.096 (J)
3/20/2018	<0.1	<0.1			
3/21/2018			<0.1	<0.1	0.094 (J)
10/2/2018	<0.1	<0.1			
10/3/2018			<0.1	<0.1	0.1 (J+X)
3/26/2019	0.04 (J)	0.046 (J)	0.045 (J)	0.046 (J)	0.087 (J)
9/10/2019		0.048 (J)		0.058 (J)	0.097 (J)
9/12/2019	0.032 (J)		0.044 (J)		
3/18/2020		0.055 (J)		0.091 (J)	
3/19/2020	<0.1		<0.1		0.038 (J)
9/9/2020	0.034 (J)	0.033 (J)			
9/10/2020			0.051 (J)	0.063 (J)	0.1
4/1/2021		0.043 (J)			
4/2/2021					0.097 (J)
4/6/2021				0.045 (J)	
6/1/2021	0.026 (J)		0.033 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		0.061 (J)			
4/13/2016			0.061 (JD)		0.083 (JD)
4/19/2016	0.024 (J)			0.135 (J)	
6/20/2016		<0.1	0.12 (J)		
6/22/2016	<0.1				0.03 (J)
8/15/2016			<0.1		<0.1
8/16/2016	<0.1	<0.1			
10/6/2016	<0.1	<0.1	<0.1		<0.1
10/10/2016				0.12 (J)	
11/30/2016		<0.1			
12/1/2016	<0.1		<0.1	0.12 (J)	<0.1
2/8/2017					<0.1
2/9/2017	<0.1	<0.1	<0.1	0.11 (J)	
4/6/2017	<0.1	<0.1			<0.1
4/7/2017			<0.1	0.15 (J)	
6/21/2017	<0.1	<0.1		0.21	<0.1
6/22/2017			<0.1		
8/15/2017				0.1 (J)	
9/1/2017				0.084 (J)	
10/5/2017	<0.1				0.084 (J)
10/6/2017		<0.1	<0.1		
3/21/2018		<0.1			<0.1
3/22/2018	<0.1		<0.1	0.091 (J)	
10/2/2018					<0.1
10/3/2018	<0.1	<0.1			
10/4/2018			<0.1	0.14 (J+X)	
3/26/2019		0.058 (J)			
3/27/2019	0.038 (J)		0.04 (J)	0.071 (J)	0.066 (J)
9/11/2019	0.045 (J)	0.058 (J)	0.057 (J)	0.071 (J)	0.067 (J)
3/18/2020	0.055 (J)	0.082 (J)		0.073 (J)	0.096 (J)
3/19/2020			<0.1		
9/9/2020	0.033 (J)			0.038 (J)	0.067 (J)
9/10/2020		0.052 (J)	0.053 (J)		
4/1/2021	0.029 (J)		0.072 (J)		0.072 (J)
6/1/2021				0.034 (J)	
6/2/2021		0.038 (J)			

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	0.0021 (J)			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		0.0028 (J)	0.0021 (J)		0.002 (J)
6/17/2010				0.0026 (J)	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				0.0036 (J)	
4/29/2011		0.0032 (J)	0.0024 (J)		0.003 (J)
4/30/2011	<0.001				
10/27/2011					0.0027 (J)
10/28/2011	<0.001	0.0025 (J)	0.002 (J)		
10/29/2011				0.0038 (J)	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	0.0024 (J)	<0.001	0.0024 (J)	
11/11/2012					0.0022 (J)
5/8/2013	<0.001	0.0051	0.0034 (J)		
5/9/2013				0.0085	0.007
11/5/2013	<0.001			0.0042 (J)	0.0048 (J)
11/6/2013		0.0033 (J)	0.0028 (J)		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				0.002 (J)
11/13/2014				<0.001	
5/22/2015	<0.001	0.0036 (J)	0.0032 (J)		
5/23/2015				0.0044 (J)	0.0035 (J)
11/9/2015		0.0039 (J)	<0.001		
11/11/2015	<0.001			0.0042 (J)	
11/12/2015					0.0032 (J)
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				<0.001	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			0.00067 (J)	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	0.00016 (J)	0.00022 (J)	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00023 (J)	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				0.0023 (J)
6/18/2010		<0.001	0.0021	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	0.0032 (J)	<0.001			0.0033 (J)
4/30/2011				<0.001	
10/27/2011	0.0027 (J)				
10/28/2011		<0.001	<0.001	<0.001	0.0023 (J)
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	0.0025 (J)	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			0.0036	0.0024	0.0052
5/9/2013	0.0051	<0.001			
11/5/2013				0.0028	
11/6/2013	0.0037 (J)	<0.001			0.003 (J)
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					0.0023 (J)
5/23/2015		<0.001			
5/24/2015	0.0037 (J)		<0.001	<0.001	
11/10/2015					0.0025 (J)
11/11/2015				<0.001	
11/12/2015	0.0038 (J)	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			0.00061 (J)		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	0.0017	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	0.00014 (J)	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	0.0026 (J)	0.011	<0.001
6/16/2010	0.0022 (J)				
6/17/2010			0.0021 (J)	0.0027 (J)	<0.001
6/19/2010		0.003 (J)			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					0.002 (J)
9/9/2010		<0.001			
4/28/2011		0.0037 (J)			0.0042 (J)
4/29/2011	0.0029 (J)		0.0032 (J)	0.0038 (J)	
10/28/2011	0.0021 (J)	0.003 (J)	0.0025 (J)	<0.001	
10/29/2011					0.0036 (J)
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	0.002 (J)	0.003 (J)		0.0029 (J)	
11/10/2012			<0.001		0.0023 (J)
5/9/2013	0.0056	0.0063	0.0056		
5/10/2013				0.0061	0.0062
11/5/2013		0.0043 (J)			
11/6/2013	0.0035 (J)		0.0032 (J)	0.0025 (J)	0.0043 (J)
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		0.0021 (J)			
5/22/2015				0.0034 (J)	0.0046 (J)
5/23/2015	0.0047 (J)				
5/24/2015		0.0043 (J)	0.0044 (J)		
11/10/2015	0.0044 (J)		0.0038 (J)	0.0021 (J)	
11/11/2015		0.0032 (J)			0.0028 (J)
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	<0.001	<0.001	<0.001		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				<0.001	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	0.0009 (J)				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	0.0015		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	0.00037 (J)	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		0.00014 (J)		<0.001	
3/19/2020	<0.001		<0.001		0.00019 (J)
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	0.00014 (J)		<0.001		
4/6/2021				<0.001	

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					0.003 (J)
6/18/2010	0.0024	<0.001	0.0027 (J)		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				0.0023 (J)	<0.001
9/9/2010	<0.001	<0.001	0.002 (J)		
4/29/2011	0.0028				0.0039 (J)
4/30/2011		0.0034 (J)	0.0037 (J)	0.011 (O)	
10/27/2011				0.0055	0.0043 (J)
10/28/2011	<0.001				
10/29/2011		0.0041 (J)	0.0025 (J)		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	0.0029 (J)	
11/10/2012	<0.001	0.0023 (J)	0.003 (J)		
11/11/2012				0.0052	0.0025 (J)
5/9/2013	0.0061	0.0067	0.0064		0.0067
5/10/2013				0.023 (O)	
11/6/2013	0.0034				0.0069
11/7/2013		0.0048 (J)	0.0037 (J)	0.0083	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		0.002 (J)
11/13/2014				0.0085	
5/23/2015				0.0077	0.003 (J)
5/24/2015	0.0093 (O)	0.0045 (J)	0.0053 (J)		
11/11/2015	0.0071	0.0048 (J)	0.0022 (J)	0.008	
11/12/2015					0.0044 (J)
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		<0.001	<0.001		
6/22/2016	<0.001				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	0.00047 (J)	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	0.0012 (J)	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		<0.001	<0.001
6/22/2017			<0.001		
8/15/2017				<0.001	
9/1/2017				<0.001	
10/5/2017	<0.001				<0.001

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001
9/10/2020		<0.001	0.00017 (J)		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		0.00034 (J)	

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.0002		
5/9/2010	<0.0002	<0.0002			
5/10/2010					<0.0002
5/11/2010				<0.0002	
6/16/2010		<0.0002	<0.0002		<0.0002
6/17/2010				<0.0002	
6/18/2010	<0.0002				
7/26/2010			<0.0002		
7/27/2010		<0.0002		<0.0002	
7/28/2010	<0.0002				<0.0002
9/7/2010		7.4E-05 (J)	7.8E-05 (J)		
9/8/2010					8.8E-05 (J)
9/9/2010	<0.0002			<0.0002	
4/28/2011				<0.0002	
4/29/2011		<0.0002	<0.0002		<0.0002
4/30/2011	<0.0002				
10/27/2011					<0.0002
10/28/2011	<0.0002	<0.0002	<0.0002		
10/29/2011				<0.0002	
5/2/2012	<0.0002	<0.0002	<0.0002		
5/3/2012				<0.0002	
5/4/2012					<0.0002
11/9/2012	<0.0002	<0.0002	<0.0002	<0.0002	
11/11/2012					<0.0002
5/8/2013	7E-05 (J)	8E-05 (J)	<0.0002		
5/9/2013				<0.0002	<0.0002
11/5/2013	<0.0002			7.3E-05 (J)	0.00011 (J)
11/6/2013		0.00014	0.00011		
5/20/2014	<0.0002	<0.0002	<0.0002		
5/21/2014					<0.0002
5/23/2014				<0.0002	
11/8/2014		<0.0002	<0.0002		
11/12/2014	<0.0002				<0.0002
11/13/2014				<0.0002	
5/22/2015	7.2E-05 (J)	<0.0002	7.1E-05 (J)		
5/23/2015				<0.0002	<0.0002
11/9/2015		<0.0002	<0.0002		
11/11/2015	<0.0002			<0.0002	
11/12/2015					<0.0002
4/6/2016	<0.0002	<0.0002	<0.0002		
4/12/2016				<0.0002	
4/13/2016					<0.0002 (D)
6/15/2016	<0.0002	<0.0002	<0.0002		
6/16/2016				<0.0002	
6/21/2016					<0.0002
8/10/2016	<0.0002	<0.0002	<0.0002		
8/11/2016				<0.0002	
8/15/2016					<0.0002
10/4/2016	<0.0002	<0.0002		<0.0002	
10/5/2016			<0.0002		<0.0002
11/29/2016		<0.0002	<0.0002		
11/30/2016	<0.0002			<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.0002
2/7/2017	<0.0002	<0.0002	<0.0002	7E-05 (J)	
2/8/2017					7.6E-05 (J)
4/4/2017	<0.0002	<0.0002	<0.0002		
4/5/2017				<0.0002	
4/6/2017					<0.0002
6/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	
6/21/2017					<0.0002
10/4/2017	<0.0002			<0.0002	
10/5/2017		<0.0002	<0.0002		<0.0002
3/20/2018	<0.0002 (D)	<0.0002	<0.0002 (X)	<0.0002 (X)	
3/21/2018					<0.0002
10/2/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	
3/27/2019					<0.0002
9/10/2019	<0.0002	<0.0002	<0.0002	<0.0002	
9/11/2019					<0.0002
3/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/1/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<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 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.0002		<0.0002	<0.0002	<0.0002
6/20/2017	<0.0002	<0.0002		<0.0002	
6/21/2017					<0.0002
6/22/2017			<0.0002		
10/5/2017	<0.0002	<0.0002		<0.0002	<0.0002
10/6/2017			<0.0002		
3/20/2018				<0.0002	<0.0002
3/21/2018	<0.0002	<0.0002 (D)			
3/22/2018			<0.0002 (X)		
10/2/2018	<0.0002 (X)	<0.0002 (X)		<0.0002 (X)	<0.0002 (X)
10/3/2018			<0.0002 (X)		
3/26/2019		<0.0002	<0.0002	<0.0002	<0.0002
3/27/2019	<0.0002				
9/11/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/9/2020				<0.0002	<0.0002
9/10/2020	<0.0002	<0.0002	<0.0002		
4/1/2021	<0.0002	<0.0002		<0.0002	<0.0002
4/6/2021			<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.0002	<0.0002	8.5E-05	<0.0002	<0.0002
6/16/2010	<0.0002				
6/17/2010			<0.0002	<0.0002	<0.0002
6/19/2010		<0.0002			
7/27/2010	<0.0002	<0.0002	<0.0002		
7/28/2010				<0.0002	<0.0002
9/7/2010	0.00011		0.0001	0.00012	
9/8/2010					<0.0002
9/9/2010		9.3E-05			
4/28/2011		<0.0002			<0.0002
4/29/2011	<0.0002		<0.0002	<0.0002	
10/28/2011	<0.0002	<0.0002	<0.0002	<0.0002	
10/29/2011					<0.0002
5/2/2012	<0.0002				
5/3/2012		<0.0002	<0.0002	<0.0002	<0.0002
11/9/2012	<0.0002	<0.0002		<0.0002	
11/10/2012			<0.0002		<0.0002
5/9/2013	<0.0002	<0.0002	<0.0002		
5/10/2013				0.00014	0.00012
11/5/2013		0.00011			
11/6/2013	<0.0002		<0.0002	0.00014	<0.0002
5/22/2014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/8/2014	<0.0002				
11/9/2014			<0.0002	<0.0002	<0.0002
11/13/2014		<0.0002			
5/22/2015				<0.0002	<0.0002
5/23/2015	<0.0002				
5/24/2015		<0.0002	<0.0002		
11/10/2015	<0.0002	<0.0002	<0.0002	<0.0002	
11/11/2015		<0.0002			<0.0002
4/11/2016	<0.0002				
4/12/2016		<0.0002	<0.0002	<0.0002 (D)	<0.0002
6/16/2016	<0.0002	<0.0002	<0.0002		
6/20/2016				<0.0002	<0.0002
8/11/2016	<0.0002	<0.0002	<0.0002		
8/12/2016				<0.0002	<0.0002
10/4/2016		<0.0002			
10/5/2016	<0.0002		<0.0002	<0.0002	
10/6/2016					<0.0002
11/29/2016	<0.0002				
11/30/2016		<0.0002	<0.0002	<0.0002	<0.0002
2/7/2017		<0.0002			
2/8/2017	7.6E-05 (J)		7.5E-05 (J)	<0.0002	<0.0002
4/5/2017	<0.0002				
4/6/2017		<0.0002	<0.0002	<0.0002	<0.0002
6/20/2017		<0.0002			
6/21/2017	<0.0002		<0.0002	<0.0002	
6/22/2017					<0.0002
10/4/2017		<0.0002			
10/5/2017	<0.0002		<0.0002	<0.0002	
10/6/2017					<0.0002
3/20/2018	<0.0002 (X)	<0.0002 (X)			

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.0002	<0.0002	<0.0002 (X)
10/2/2018	<0.0002 (X)	<0.0002			
10/3/2018			<0.0002 (X)	<0.0002 (X)	<0.0002 (X)
3/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/10/2019		<0.0002		<0.0002	<0.0002
9/12/2019	<0.0002		<0.0002		
3/18/2020		<0.0002		<0.0002	
3/19/2020	<0.0002		<0.0002		<0.0002
9/9/2020	<0.0002	<0.0002			
9/10/2020			<0.0002	<0.0002	<0.0002
4/1/2021		<0.0002			
4/2/2021					<0.0002
4/6/2021				<0.0002	
6/1/2021	<0.0002		<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.0002	<0.0002	<0.0002
5/11/2010	<0.0002	<0.0002			
6/16/2010					<0.0002
6/18/2010	<0.0002	<0.0002	<0.0002		
6/19/2010				<0.0002	
7/27/2010	<0.0002	<0.0002			<0.0002
7/28/2010			<0.0002	<0.0002	
9/8/2010				0.00011 (J)	<0.0002
9/9/2010	<0.0002	0.00017	<0.0002		
4/29/2011	<0.0002				<0.0002
4/30/2011		<0.0002	<0.0002	<0.0002	
10/27/2011				<0.0002	<0.0002
10/28/2011	<0.0002				
10/29/2011		<0.0002	7E-05 (J)		
5/3/2012					<0.0002
5/4/2012	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2012	<0.0002	<0.0002	<0.0002		
11/11/2012				<0.0002	<0.0002
5/9/2013	0.00016	0.00014	<0.0002		<0.0002
5/10/2013				0.00014	
11/6/2013	<0.0002				8.8E-05
11/7/2013		0.00011	0.00016	0.00019	
5/21/2014		<0.0002	<0.0002	<0.0002	<0.0002
5/22/2014	<0.0002				
11/9/2014	<0.0002	<0.0002			
11/12/2014			<0.0002		<0.0002
11/13/2014				<0.0002	
5/23/2015				<0.0002	<0.0002
5/24/2015	<0.0002	<0.0002	<0.0002		
11/11/2015	<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2015					<0.0002
4/12/2016		<0.0002			
4/13/2016			<0.0002 (D)		<0.0002 (D)
4/19/2016	<0.0002			<0.0002	
6/20/2016		<0.0002	<0.0002		
6/22/2016	<0.0002				<0.0002
8/12/2016		<0.0002			
8/15/2016			<0.0002		<0.0002
8/16/2016	<0.0002				
10/6/2016	<0.0002	<0.0002	<0.0002		<0.0002
10/10/2016				0.000155 (D)	
11/30/2016		<0.0002			
12/1/2016	<0.0002		<0.0002	<0.0002	<0.0002
2/8/2017					<0.0002
2/9/2017	<0.0002	<0.0002	<0.0002	<0.0002	
4/6/2017	<0.0002	<0.0002			<0.0002
4/7/2017			<0.0002	<0.0002	
6/21/2017	<0.0002	<0.0002		<0.0002	<0.0002
6/22/2017			<0.0002		
8/15/2017				<0.0002	
9/1/2017				<0.0002	
10/5/2017	<0.0002				<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.0002	<0.0002		
10/9/2017				8.9E-05 (J)	
3/21/2018		<0.0002 (X)			<0.0002
3/22/2018	<0.0002 (X)		<0.0002 (X)	<0.0002 (X)	
10/2/2018					<0.0002 (X)
10/3/2018	<0.0002 (X)	<0.0002 (X)			
10/4/2018			<0.0002 (X)	<0.0002	
3/26/2019		<0.0002			
3/27/2019	<0.0002		<0.0002	<0.0002	<0.0002
9/11/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/18/2020	<0.0002	<0.0002		<0.0002	<0.0002
3/19/2020			0.00011 (J)		
9/9/2020	<0.0002			<0.0002	<0.0002
9/10/2020		<0.0002	<0.0002		
4/1/2021	<0.0002		<0.0002		<0.0002
6/1/2021				<0.0002	
6/2/2021		<0.0002			

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				0.0086 (O)	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	0.00202 (J)	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					0.00271
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	0.04 (O)	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	0.0018 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	0.00081 (J)	0.00037 (J)	0.0012	0.00065 (J)	
9/11/2019					0.0016
3/18/2020	0.00043 (J)	<0.001	<0.001	0.00056 (J)	0.0016
9/9/2020	0.00069 (J)	<0.001	0.00048 (J)	0.00047 (J)	0.0021
4/1/2021	0.00049 (J)	<0.001	0.0004 (J)	0.00073 (J)	0.0012

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					0.0045 (O)
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	<0.001		<0.001	<0.001	<0.001
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.001				
9/11/2019	0.00066 (J)	0.00084 (J)	0.00039 (J)	<0.001	0.00048 (J)
3/18/2020	0.0005 (J)	0.0006 (J)	0.00061 (J)	<0.001	0.00034 (J)
9/9/2020				<0.001	0.00064 (J)
9/10/2020	0.0012	0.00088 (J)	0.00044 (J)		
4/1/2021	0.00065 (J)	0.00065 (J)		<0.001	<0.001
4/6/2021			0.00053 (J)		

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	0.0033 (O)	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				0.019 (O)	<0.001
9/7/2010	<0.001		<0.001	0.0093 (O)	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	0.003 (J)	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		0.0035 (J)	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				0.0081 (O)	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	0.01 (O)				
5/24/2015		<0.001	0.0063 (O)		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		0.00206 (J)	<0.001	<0.001 (D)	<0.001
10/4/2016		0.0023 (J)			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					0.0021 (J)
4/5/2017	<0.001				
4/6/2017		<0.001	0.002 (J)	<0.001	<0.001
10/4/2017		0.0021 (J)			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			
3/21/2018			<0.001	0.0022 (J)	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	0.0018 (J)	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	0.0036
9/10/2019		0.0022		0.0016	0.00079 (J)
9/12/2019	0.0015		0.00097 (J)		
3/18/2020		0.0016		0.00091 (J)	
3/19/2020	0.00047 (J)		0.00098 (J)		0.00073 (J)
9/9/2020	0.00039 (J)	0.0016			
9/10/2020			0.00098 (J)	0.0014	0.0013
4/1/2021		0.0022			

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					0.0012
4/5/2021	0.00047 (J)		0.00048 (J)		
4/6/2021				0.0018	

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	0.0034			
6/16/2010					<0.001
6/18/2010	<0.001	0.0046	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	0.008 (O)	
10/27/2011				0.0044 (J)	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	0.0032 (J)	
11/10/2012	<0.001	0.0053	<0.001		
11/11/2012				0.0069	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				0.0093 (O)	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	0.0033 (J)	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				0.0049 (J)	
5/23/2015				0.003 (J)	<0.001
5/24/2015	0.006 (O)	0.0047	0.0044		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	0.00268 (J)			0.00247 (J)	
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
4/6/2017	0.0018 (J)	<0.001			<0.001
4/7/2017			<0.001	0.0022 (J)	
10/5/2017	<0.001				<0.001
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	0.0019 (J)		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	0.0007 (J)	0.00099 (J)	0.00046 (J)	0.0013	0.00063 (J)
3/18/2020	0.00068 (J)	0.00062 (J)		0.0044	<0.001
3/19/2020			<0.001		
9/9/2020	0.00039 (J)			0.0036	0.00046 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		0.0009 (J)	0.0007 (J)		
4/1/2021	0.00042 (J)		0.00036 (J)		0.00058 (J)
4/5/2021		0.00088 (J)		0.0058	

Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/20/2014	5.27	6.18	5.68		
5/21/2014					6.3
5/23/2014				6.46	
11/8/2014		6.52	6.04		
11/12/2014	5.7				6.49
11/13/2014				6.67	
5/22/2015	5.52	6.3	5.87		
5/23/2015				6.53	6.3
11/9/2015			5.97		
11/11/2015	5.63	6.36		6.71	
11/12/2015					6.45
4/6/2016	5.5 (D)	6.46 (D)	5.937 (D)		
4/12/2016				6.53 (D)	
4/13/2016					6.42 (D)
6/15/2016	5.52	6.39	5.96		
6/16/2016				6.49	
6/21/2016					6.36
8/10/2016	5.5	6.39	5.94		
8/11/2016				6.5	
8/15/2016					6.3
10/4/2016	5.56	6.4		6.5	
10/5/2016			5.86		6.25
11/29/2016		6.36	5.82		
11/30/2016	5.46			6.48	
12/1/2016					6.32
2/7/2017	5.28 (O)	6.45	6.15	6.38	
2/8/2017					6.04
4/1/2017	5.48				
4/4/2017	5.48	6.37	6		
4/5/2017				6.36	
4/6/2017					6.35
6/20/2017	5.44	6.4	6.34	6.45	
6/21/2017					6.2
10/4/2017	5.44			6.5	
10/5/2017		6.42	5.93		6.21
3/20/2018	5.48	6.36	5.97	6.63	
3/21/2018					6.56
10/2/2018	5.49	6.38	6.03	6.57	6.35
3/26/2019	5.41	6.42	6.12	6.54	
3/27/2019					6.53
3/18/2020	5.42	6.29	6.03	6.53	6.34
9/9/2020	5.71	6.33	6.05	6.57	6.4
4/1/2021	5.31	6.44	6.14	6.52	6.35

Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/20/2014	6.14	4.86	5.6	5.38	
5/23/2014					6.19
11/8/2014					6.42
11/12/2014	6.33	5.3	6.02	5.77	
5/22/2015					6.26
5/23/2015		5.04			
5/24/2015	6.04		5.81	5.53	
11/10/2015					6.29
11/11/2015				5.68	
11/12/2015	6.31	5.31	5.93		
4/11/2016					6.3 (D)
4/13/2016	6.17 (D)	5.22 (D)	5.88 (D)	5.58 (D)	
6/16/2016					6.34
6/21/2016	6.19	5.2	5.9	5.59	
8/11/2016					6.28
8/15/2016	6.15	5.12	5.86	5.56	
10/4/2016			5.85	5.66	
10/5/2016	6.1	5.07			6.27
10/7/2016		5.07	5.85		
11/29/2016					6.39
12/1/2016	6.15	5.08	5.85	5.54	
2/7/2017				5.42 (O)	
2/8/2017	5.9 (O)	4.76 (O)			6.35
2/9/2017			5.92		
4/5/2017		5.1			
4/6/2017	6.13		5.85	5.55	6.26
6/20/2017	6.12	5.13		5.57	
6/21/2017					6.24
6/22/2017			5.9		
10/5/2017	6.11	5.1		5.55	6.31
10/6/2017			5.88		
3/20/2018				5.73	6.34
3/21/2018	6.21	5.33			
3/22/2018			5.88		
10/2/2018	6.21	5.16		5.68	6.38
10/3/2018			5.95		
3/26/2019		5.25	5.89	5.63	6.38
3/27/2019	6.22				
3/18/2020	6.17	5.19	5.81	5.61	6.32
9/9/2020				5.88	6.3
9/10/2020	6.16	5.1	5.83		
4/1/2021	6.11	5.18		5.53	6.37
4/6/2021			5.95		

Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/22/2014	6.37	6.74	6.33	5.82	6.17
11/8/2014	6.51				
11/9/2014			6.66	6.1	6.45
11/13/2014		6.94			
5/22/2015	6.35		6.49	5.92	6.26
5/24/2015		7			
11/10/2015	6.41		6.53		
11/11/2015		6.55			6.3
11/16/2015				6.02	
4/11/2016	6.36 (D)				
4/12/2016		6.52 (D)	6.53 (D)	5.97 (D)	6.44 (D)
6/16/2016	6.35	6.38	6.51		
6/20/2016				5.93	6.33
8/11/2016	6.37	6.38	6.49		
8/12/2016				5.86	
8/16/2016				5.86	6.3
10/4/2016		6.39			
10/5/2016	5.78 (O)		6.46	5.1 (O)	
10/6/2016					6.21
11/29/2016	6.44				
11/30/2016		6.38	6.5	5.88	6.26
2/7/2017		6.43			
2/8/2017	6.4		6.59	5.89	6.35
4/5/2017	6.35				
4/6/2017		6.23 (O)	6.47	5.84	6.29
6/20/2017		6.36			
6/21/2017	6.36		6.53	5.91	
6/22/2017					6.31
10/4/2017		6.35			
10/5/2017	6.41		6.51	5.93	
10/6/2017					5.9
3/20/2018	6.37	6.52			
3/21/2018			6.5	5.96	6.23
10/2/2018	6.41	6.51			
10/3/2018			6.48	5.97	6.25
3/26/2019	6.35	6.44	6.52	6.02	6.34
3/18/2020		6.41		5.9	
3/19/2020	6.27		6.47		6.32
9/9/2020	6.27	6.44			
9/10/2020			6.49	6.24	6.46
4/1/2021		7.32			
4/2/2021					6.35
4/5/2021	6.37		6.64		
4/6/2021				6.01	
6/1/2021	6.18		6.39		

Time Series

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/21/2014		6.09	6.25	7.11	6.31
5/22/2014	5.89				
11/9/2014	6.14	6.36			
11/12/2014					6.81
11/13/2014				6.55	
5/23/2015				6.36	6.42
5/24/2015	5.7	6.17	6.32		
11/11/2015	5.78	6.19	6.35	6.36	
11/12/2015					6.7
4/12/2016		6.22			
4/13/2016			6.42		6.59
4/19/2016	5.55			6.4	
6/20/2016		6.2	6.4		
6/22/2016	5.6				6.49
6/23/2016				6.35	
8/12/2016		6.17			
8/15/2016			6.31		6.61
8/16/2016	5.7				
8/23/2016				6.29	
10/6/2016	5.64	6.14	6.27		6.55
10/10/2016				6.3	
11/30/2016		6.14			
12/1/2016	5.62		6.28	6.37	6.59
2/8/2017					6.63
2/9/2017	5.64	6.18	6.32	6.39	
2/27/2017				6.24	
4/6/2017	5.66	6.17			6.58
4/7/2017			6.28	6.93	
6/21/2017	5.68	6.17		7.11 (D)	6.56
6/22/2017			6.29		
8/15/2017				6.95	
9/1/2017				6.86	
10/5/2017	5.64				6.58
10/6/2017		6.19	5.96		
10/9/2017				6.75	
3/21/2018		6.21			6.76
3/22/2018	5.9		6.34	7.05	
10/2/2018					6.65
10/3/2018	5.74	6.22			
10/4/2018			6.36	7.26	
3/26/2019		6.25			
3/27/2019	5.78		6.38	6.69	6.7
3/18/2020	5.81	6.19		6.42	6.61
3/19/2020			6.41		
9/9/2020	6.08			6.3	6.8
9/10/2020		6.43	6.32		
4/1/2021	6.01		6.4		6.28
4/5/2021		6.36		6.35	
6/1/2021				6.28	
6/2/2021		6.09			

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.005		
5/9/2010	<0.005	<0.005			
5/10/2010					<0.005
5/11/2010				<0.005	
6/16/2010		<0.005	<0.005		<0.005
6/17/2010				<0.005	
6/18/2010	<0.005				
7/26/2010			<0.005		
7/27/2010		<0.005		<0.005	
7/28/2010	<0.005				<0.005
9/7/2010		<0.005	<0.005		
9/8/2010					<0.005
9/9/2010	<0.005			<0.005	
4/28/2011				<0.005	
4/29/2011		<0.005	<0.005		<0.005
4/30/2011	<0.005				
10/27/2011					<0.005
10/28/2011	<0.005	<0.005	<0.005		
10/29/2011				<0.005	
5/2/2012	<0.005	<0.005	<0.005		
5/3/2012				<0.005	
5/4/2012					<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005	
11/11/2012					<0.005
5/8/2013	<0.005	<0.005	0.0044		
5/9/2013				<0.005	<0.005
11/5/2013	<0.005			<0.005	<0.005
11/6/2013		<0.005	<0.005		
5/20/2014	<0.005	<0.005	<0.005		
5/21/2014					<0.005
5/23/2014				<0.005	
11/8/2014		<0.005	<0.005		
11/12/2014	<0.005				<0.005
11/13/2014				<0.005	
5/22/2015	<0.005	<0.005	<0.005		
5/23/2015				0.0053	0.0043
11/9/2015		0.0043	<0.005		
11/11/2015	<0.005			<0.005	
11/12/2015					0.0046
4/6/2016	<0.005	<0.005	<0.005		
4/12/2016				<0.005	
4/13/2016					<0.005 (D)
6/15/2016	<0.005	<0.005	<0.005		
6/16/2016				<0.005	
6/21/2016					<0.005
8/10/2016	<0.005	<0.005	<0.005		
8/11/2016				<0.005	
8/15/2016					<0.005
10/4/2016	<0.005	<0.005		0.00037 (J)	
10/5/2016			<0.005		<0.005
11/29/2016		0.00024 (J)	<0.005		
11/30/2016	<0.005			<0.005	

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.005
2/7/2017	<0.005	<0.005	<0.005	<0.005	
2/8/2017					<0.005
4/4/2017	0.00067 (J)	0.0017	<0.005		
4/5/2017				<0.005	
4/6/2017					<0.005
6/20/2017	<0.005	<0.005	<0.005	<0.005	
6/21/2017					<0.005
10/4/2017	<0.005			<0.005	
10/5/2017		<0.005	0.00027 (J)		<0.005
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005 (X)	
3/21/2018					<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	
3/27/2019					<0.005
9/10/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019					<0.005
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.005	<0.005	<0.005	
5/10/2010	<0.005				<0.005
6/16/2010	<0.005				<0.005
6/18/2010		<0.005	<0.005	<0.005	
7/26/2010					<0.005
7/27/2010	<0.005	<0.005			
7/28/2010				<0.005	
7/29/2010			<0.005		
9/7/2010					<0.005
9/8/2010	<0.005	<0.005			
9/9/2010			<0.005	<0.005	
4/26/2011			<0.005		
4/29/2011	<0.005	<0.005			<0.005
4/30/2011				<0.005	
10/27/2011	<0.005				
10/28/2011		0.004	<0.005	<0.005	<0.005
5/2/2012					<0.005
5/3/2012		<0.005		<0.005	
5/4/2012	<0.005		<0.005		
11/9/2012					<0.005
11/10/2012	<0.005	<0.005		<0.005	
11/11/2012			<0.005		
5/8/2013			<0.005	<0.005	<0.005
5/9/2013	<0.005	<0.005			
11/5/2013				<0.005	
11/6/2013	<0.005	<0.005			<0.005
11/7/2013			<0.005		
5/20/2014	<0.005	<0.005	<0.005	<0.005	
5/23/2014					<0.005
11/8/2014					<0.005
11/12/2014	<0.005	<0.005	<0.005	<0.005	
5/22/2015					<0.005
5/23/2015		<0.005			
5/24/2015	0.005		<0.005	<0.005	
11/10/2015					0.0041
11/11/2015				0.0052	
11/12/2015	0.0042	<0.005	<0.005		
4/11/2016					<0.005
4/13/2016	<0.005 (D)	<0.005 (D)	<0.005 (D)	<0.005 (D)	
6/16/2016					<0.005
6/21/2016	<0.005	<0.005	<0.005	<0.005	
8/11/2016					<0.005
8/15/2016	<0.005	<0.005	<0.005	<0.005	
10/4/2016				<0.005	
10/5/2016	<0.005	<0.005			<0.005
10/7/2016			<0.005		
11/29/2016					<0.005
12/1/2016	<0.005	<0.005	<0.005	0.00025 (J)	
2/7/2017				<0.005	
2/8/2017	<0.005	<0.005			<0.005
2/9/2017			<0.005		
4/5/2017		<0.005			

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	0.00031 (J)		<0.005	<0.005	<0.005
6/20/2017	<0.005	<0.005		<0.005	
6/21/2017					<0.005
6/22/2017			<0.005		
10/5/2017	<0.005	<0.005		<0.005	<0.005
10/6/2017			<0.005		
3/20/2018				<0.005	<0.005
3/21/2018	<0.005	<0.005 (D)			
3/22/2018			<0.005		
10/2/2018	<0.005	<0.005		<0.005	<0.005
10/3/2018			<0.005		
3/26/2019		<0.005	<0.005	<0.005	<0.005
3/27/2019	<0.005				
9/11/2019		<0.005	<0.005	<0.005	<0.005
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020				<0.005	<0.005
9/10/2020	<0.005	<0.005	<0.005		
4/1/2021	<0.005	<0.005		<0.005	<0.005
4/6/2021			<0.005		

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.005	<0.005	<0.005	<0.005	<0.005
6/16/2010	<0.005				
6/17/2010			<0.005	<0.005	<0.005
6/19/2010		<0.005			
7/27/2010	<0.005	<0.005	<0.005		
7/28/2010				<0.005	<0.005
9/7/2010	<0.005		<0.005	<0.005	
9/8/2010					<0.005
9/9/2010		<0.005			
4/28/2011		<0.005			<0.005
4/29/2011	<0.005		<0.005	<0.005	
10/28/2011	<0.005	<0.005	<0.005	<0.005	
10/29/2011					<0.005
5/2/2012	<0.005				
5/3/2012		<0.005	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005		<0.005	
11/10/2012			<0.005		<0.005
5/9/2013	<0.005	<0.005	<0.005		
5/10/2013				<0.005	<0.005
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005	<0.005	<0.005
5/22/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005				
11/9/2014			<0.005	<0.005	<0.005
11/13/2014		<0.005			
5/22/2015				<0.005	<0.005
5/23/2015	<0.005				
5/24/2015		0.0044	<0.005		
11/10/2015	0.0044		<0.005	<0.005	
11/11/2015		0.0045			<0.005
4/11/2016	<0.005				
4/12/2016		<0.005	<0.005	<0.005 (D)	<0.005
6/16/2016	<0.005	<0.005	<0.005		
6/20/2016				<0.005	<0.005
8/11/2016	<0.005	<0.005	<0.005		
8/12/2016				0.00036 (J)	<0.005
10/4/2016		<0.005			
10/5/2016	<0.005		<0.005	<0.005	
10/6/2016					<0.005
11/29/2016	<0.005				
11/30/2016		<0.005	<0.005	<0.005	<0.005
2/7/2017		<0.005			
2/8/2017	<0.005		<0.005	<0.005	<0.005
4/5/2017	<0.005				
4/6/2017		0.0023	<0.005	<0.005	<0.005
6/20/2017		<0.005			
6/21/2017	<0.005		<0.005	<0.005	
6/22/2017					<0.005
10/4/2017		<0.005			
10/5/2017	<0.005		<0.005	<0.005	
10/6/2017					<0.005
3/20/2018	<0.005	<0.005 (X)			

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.005	<0.005	<0.005 (X)
10/2/2018	<0.005	<0.005			
10/3/2018			<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2019		<0.005		<0.005	<0.005
9/12/2019	<0.005		<0.005		
3/18/2020		<0.005		<0.005	
3/19/2020	<0.005		<0.005		<0.005
9/9/2020	<0.005	<0.005			
9/10/2020			<0.005	<0.005	<0.005
4/1/2021		<0.005			
4/2/2021					<0.005
4/5/2021	<0.005		<0.005		
4/6/2021				<0.005	

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.005	<0.005	<0.005
5/11/2010	<0.005	<0.005			
6/16/2010					<0.005
6/18/2010	<0.005	<0.005	<0.005		
6/19/2010				<0.005	
7/27/2010	<0.005	<0.005			<0.005
7/28/2010			<0.005	<0.005	
9/8/2010				<0.005	<0.005
9/9/2010	<0.005	<0.005	<0.005		
4/29/2011	<0.005				<0.005
4/30/2011		<0.005	<0.005	<0.005	
10/27/2011				<0.005	<0.005
10/28/2011	<0.005				
10/29/2011		<0.005	<0.005		
5/3/2012					<0.005
5/4/2012	<0.005	<0.005	<0.005	<0.005	
11/10/2012	<0.005	<0.005	<0.005		
11/11/2012				<0.005	<0.005
5/9/2013	<0.005	<0.005	<0.005		<0.005
5/10/2013				<0.005	
11/6/2013	<0.005				<0.005
11/7/2013		<0.005	<0.005	<0.005	
5/21/2014		<0.005	<0.005	<0.005	<0.005
5/22/2014	<0.005				
11/9/2014	<0.005	<0.005			
11/12/2014			<0.005		<0.005
11/13/2014				<0.005	
5/23/2015				0.0045	<0.005
5/24/2015	0.013 (J)	<0.005	0.0053		
11/11/2015	0.037	0.007	0.0049	0.0043	
11/12/2015					0.0065
4/12/2016		<0.005			
4/13/2016			<0.005 (D)		<0.005 (D)
4/19/2016	0.0587			<0.005	
6/20/2016		0.00032 (J)	<0.005		
6/22/2016	0.0435				<0.005
8/12/2016		0.00035 (J)			
8/15/2016			<0.005		<0.005
8/16/2016	0.029				
10/6/2016	0.027	0.00029 (J)	<0.005		<0.005
10/10/2016				<0.005	
11/30/2016		0.00026 (J)			
12/1/2016	0.029		<0.005	<0.005	<0.005
2/8/2017					<0.005
2/9/2017	0.031	<0.005	<0.005	<0.005	
4/6/2017	0.043	<0.005			<0.005
4/7/2017			<0.005	<0.005	
6/21/2017	0.052	0.00031 (J)		<0.005	<0.005
6/22/2017			<0.005		
8/15/2017				<0.005	
9/1/2017				0.00044 (J)	
10/5/2017	0.038				<0.005

Time Series

Constituent: Selenium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.005	<0.005		
10/9/2017				<0.005	
3/21/2018		<0.005 (X)			<0.005 (X)
3/22/2018	0.038		<0.005	0.00032 (J)	
10/2/2018					<0.005
10/3/2018	0.021	0.00056 (J)			
10/4/2018			<0.005	<0.005	
3/26/2019		<0.005			
3/27/2019	0.023		<0.005	<0.005	<0.005
9/11/2019	0.0079	<0.005	<0.005	<0.005	<0.005
3/18/2020	0.014	<0.005		<0.005	<0.005
3/19/2020			<0.005		
9/9/2020	0.0054			<0.005	<0.005
9/10/2020		<0.005	<0.005		
4/1/2021	0.0065		<0.005		<0.005
4/5/2021		<0.005		<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	<0.001	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
10/4/2016	<0.001	<0.001		0.00012 (J)	
10/5/2016			<0.001		<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	<0.001		<0.001	<0.001	<0.001
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			0.00031		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.001				
9/11/2019	<0.001 (D)	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		<0.001		<0.001	
3/19/2020	<0.001		<0.001		<0.001
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					<0.001
4/5/2021	<0.001		<0.001		
4/6/2021				<0.001	

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	<0.001		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	<0.001	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
10/6/2016	<0.001	0.00012 (J)	<0.001		<0.001
10/10/2016				<0.001	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
10/5/2017	<0.001				<0.001
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.001	<0.001		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		<0.001		<0.001	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	0.799 (J)	<1	<1		
4/12/2016				0.617 (J)	
4/13/2016					0.51 (JD)
6/15/2016	<1	<1	<1		
6/16/2016				<1	
6/21/2016					0.58 (J)
8/10/2016	<1	<1	<1		
8/11/2016				<1	
8/15/2016					<1
10/4/2016	<1	<1		<1	
10/5/2016			<1		<1
11/29/2016		<1	<1		
11/30/2016	<1			<1	
12/1/2016					<1
2/7/2017	0.8 (J)	<1	<1	0.92 (J)	
2/8/2017					1
4/4/2017	<1	<1	<1		
4/5/2017				1	
4/6/2017					0.81 (J)
6/20/2017	<1	<1	<1	0.76 (J)	
6/21/2017					1.1
10/4/2017	<1			<1	
10/5/2017		<1	<1		1.1
3/20/2018	1.2	<1	<1	0.95 (J)	
3/21/2018					1.1
10/2/2018	<1	<1	<1	<1	1.2
3/26/2019	2.1	<1	0.58 (J)	0.53 (J)	
3/27/2019					1.6
9/10/2019	0.65 (J)	<1	0.44 (J)	0.69 (J)	
9/11/2019					1.8
3/18/2020	3.1	0.67 (J)	0.51 (J)	0.84 (J)	2.4
9/9/2020	1.6	<1	<1	0.77 (J)	2.6
4/1/2021	2.7	<1	<1	<1	2.7

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					<1
4/13/2016	<1 (D)	<1 (D)	0.646 (JD)	<1 (D)	
6/16/2016					<1
6/21/2016	0.16 (J)	0.2 (J)	0.57 (J)	0.16 (J)	
8/11/2016					<1
8/15/2016	<1	<1	<1	<1	
10/4/2016				<1	
10/5/2016	<1	<1			<1
10/7/2016			<1		
11/29/2016					<1
12/1/2016	<1	<1	<1	<1	
2/7/2017				<1	
2/8/2017	<1	<1			<1
2/9/2017			<1		
4/5/2017		<1			
4/6/2017	<1		<1	<1	<1
6/20/2017	<1	<1		<1	
6/21/2017					<1
6/22/2017			<1		
10/5/2017	<1	<1		<1	<1
10/6/2017			<1		
3/20/2018				<1	<1
3/21/2018	<1	<1 (D)			
3/22/2018			<1		
10/2/2018	<1	<1		<1	<1
10/3/2018			<1		
3/26/2019		0.49 (J)	1.3	0.64 (J)	0.39 (J)
3/27/2019	<1				
9/11/2019	0.63 (J)	0.5 (J)	0.81 (J)	0.5 (J)	0.61 (J)
3/18/2020	<1	1.3	25 (o)	<1	0.62 (J)
9/9/2020				<1	<1
9/10/2020	<1	<1	1.3		
4/1/2021	<1	<1		<1	<1
4/6/2021			0.9 (J)		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	<1				
4/12/2016		0.56 (J)	<1	0.419 (JD)	3.56
6/16/2016	<1	<1	<1		
6/20/2016				0.6 (J)	2.4
8/11/2016	<1	<1	<1		
8/16/2016				<1	1.7
10/4/2016		<1			
10/5/2016	<1		<1	<1	
10/6/2016					1.2
11/29/2016	<1				
11/30/2016		<1	<1	1.1	1.2
2/7/2017		<1			
2/8/2017	<1		<1	<1	4.6
4/5/2017	<1				
4/6/2017		<1	<1	<1	4.1
6/20/2017		<1			
6/21/2017	<1		<1	<1	
6/22/2017					3.4
10/4/2017		<1			
10/5/2017	<1		<1	<1	
10/6/2017					3
3/20/2018	<1	<1			
3/21/2018			<1	<1	4.9
10/2/2018	<1	<1			
10/3/2018			<1	<1	2.9
3/26/2019	<1	0.99 (J)	0.45 (J)	0.47 (J)	3.2
9/10/2019		0.63 (J)		0.7 (J)	1.7
9/12/2019	<1		<1		
3/18/2020		0.59 (J)		0.6 (J)	
3/19/2020	0.64 (J)		0.71 (J)		4.6
9/9/2020	1.2	0.59 (J)			
9/10/2020			<1	<1	1.6
4/1/2021		1.1			
4/2/2021					4.6
4/6/2021				<1	
6/1/2021	1.9		1.4		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		7.55			
4/13/2016			<1 (D)		8.66 (D)
4/19/2016	575 (o)			32.7	
6/20/2016		14	0.36 (J)		
6/22/2016	470				6.3
8/15/2016			<1		8
8/16/2016	360	12			
10/6/2016	300	13	<1		10
10/10/2016				33	
11/30/2016		14			
12/1/2016	340		<1	31	15
2/8/2017					13
2/9/2017	350	9.5	<1	34	
4/6/2017	380	9.7			14
4/7/2017			<1	37	
6/21/2017	490	13		35	11
6/22/2017			<1		
8/15/2017				42	
9/1/2017				40	
10/5/2017	380				10
10/6/2017		7.3	<1		
3/21/2018		9.5			12
3/22/2018	400		<1	39	
10/2/2018					8.2
10/3/2018	270	10			
10/4/2018			<1	30	
3/26/2019		6.3			
3/27/2019	260		0.51 (J)	18	6.8
9/11/2019	130	12	0.52 (J)	32	9.6
3/18/2020	170	5.6		16	6.9
3/19/2020			0.54 (J)		
9/9/2020	110			11	8.4
9/10/2020		9.4	<1		
4/1/2021	100		<1		9.7
6/1/2021				17	
6/2/2021		13			

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.001		
5/9/2010	<0.001	<0.001			
5/10/2010					<0.001
5/11/2010				<0.001	
6/16/2010		<0.001	<0.001		<0.001
6/17/2010				<0.001	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		<0.001		<0.001	
7/28/2010	<0.001				<0.001
9/7/2010		<0.001	<0.001		
9/8/2010					<0.001
9/9/2010	<0.001			<0.001	
4/28/2011				<0.001	
4/29/2011		<0.001	<0.001		<0.001
4/30/2011	<0.001				
10/27/2011					<0.001
10/28/2011	<0.001	<0.001	<0.001		
10/29/2011				<0.001	
5/2/2012	<0.001	<0.001	<0.001		
5/3/2012				<0.001	
5/4/2012					<0.001
11/9/2012	<0.001	<0.001	<0.001	<0.001	
11/11/2012					<0.001
5/8/2013	<0.001	0.0003	<0.001		
5/9/2013				<0.001	<0.001
11/5/2013	<0.001			<0.001	<0.001
11/6/2013		<0.001	<0.001		
5/20/2014	<0.001	<0.001	<0.001		
5/21/2014					<0.001
5/23/2014				<0.001	
11/8/2014		<0.001	<0.001		
11/12/2014	<0.001				<0.001
11/13/2014				<0.001	
5/22/2015	<0.001	<0.001	<0.001		
5/23/2015				<0.001	<0.001
11/9/2015		<0.001	<0.001		
11/11/2015	<0.001			<0.001	
11/12/2015					<0.001
4/6/2016	<0.001	<0.001	<0.001		
4/12/2016				<0.001	
4/13/2016					<0.001 (D)
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				<0.001	
6/21/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001		
8/11/2016				<0.001	
8/15/2016					<0.001
10/4/2016	<0.001	<0.001		<0.001	
10/5/2016			<0.001		<0.001
11/29/2016		<0.001	<0.001		
11/30/2016	<0.001			<0.001	

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
12/1/2016					<0.001
2/7/2017	<0.001	<0.001	<0.001	<0.001	
2/8/2017					<0.001
4/4/2017	<0.001	<0.001	<0.001		
4/5/2017				<0.001	
4/6/2017					<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	
6/21/2017					<0.001
10/4/2017	<0.001			<0.001	
10/5/2017		<0.001	<0.001		<0.001
3/20/2018	<0.001 (D)	<0.001	<0.001	<0.001	
3/21/2018					<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	0.00021 (J)	0.00023 (J)	<0.001	
9/11/2019					<0.001
3/18/2020	<0.001	<0.001	<0.001	0.00049 (J)	<0.001
9/9/2020	0.00025 (J)	<0.001	<0.001	<0.001	<0.001
4/1/2021	<0.001	<0.001	<0.001	0.00027 (J)	<0.001

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	<0.001				<0.001
6/16/2010	<0.001				<0.001
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					<0.001
7/27/2010	<0.001	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					<0.001
9/8/2010	<0.001	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	<0.001	<0.001			<0.001
4/30/2011				<0.001	
10/27/2011	<0.001				
10/28/2011		<0.001	<0.001	<0.001	<0.001
5/2/2012					<0.001
5/3/2012		<0.001		<0.001	
5/4/2012	<0.001		<0.001		
11/9/2012					<0.001
11/10/2012	<0.001	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			<0.001	<0.001	<0.001
5/9/2013	<0.001	<0.001			
11/5/2013				<0.001	
11/6/2013	<0.001	<0.001			<0.001
11/7/2013			<0.001		
5/20/2014	<0.001	<0.001	<0.001	<0.001	
5/23/2014					<0.001
11/8/2014					<0.001
11/12/2014	<0.001	<0.001	<0.001	<0.001	
5/22/2015					<0.001
5/23/2015		<0.001			
5/24/2015	<0.001		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					<0.001
4/13/2016	<0.001 (D)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
6/16/2016					<0.001
6/21/2016	<0.001	<0.001	<0.001	<0.001	
8/11/2016					<0.001
8/15/2016	<0.001	<0.001	<0.001	<0.001	
10/4/2016				<0.001	
10/5/2016	<0.001	<0.001			<0.001
10/7/2016			<0.001		
11/29/2016					<0.001
12/1/2016	<0.001	<0.001	<0.001	<0.001	
2/7/2017				<0.001	
2/8/2017	<0.001	<0.001			<0.001
2/9/2017			<0.001		
4/5/2017		<0.001			

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/6/2017	<0.001		<0.001	<0.001	<0.001
6/20/2017	<0.001	<0.001		<0.001	
6/21/2017					<0.001
6/22/2017			<0.001		
10/5/2017	<0.001	<0.001		<0.001	<0.001
10/6/2017			<0.001		
3/20/2018				<0.001	<0.001
3/21/2018	<0.001	<0.001 (D)			
3/22/2018			<0.001		
10/2/2018	<0.001	<0.001		<0.001	<0.001
10/3/2018			<0.001		
3/26/2019		<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001				
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020				<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001		
4/1/2021	<0.001	<0.001		<0.001	<0.001
4/6/2021			<0.001		

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001				
6/17/2010			<0.001	<0.001	<0.001
6/19/2010		<0.001			
7/27/2010	<0.001	<0.001	<0.001		
7/28/2010				<0.001	<0.001
9/7/2010	<0.001		<0.001	<0.001	
9/8/2010					<0.001
9/9/2010		<0.001			
4/28/2011		<0.001			<0.001
4/29/2011	<0.001		<0.001	<0.001	
10/28/2011	<0.001	<0.001	<0.001	<0.001	
10/29/2011					<0.001
5/2/2012	<0.001				
5/3/2012		<0.001	<0.001	<0.001	<0.001
11/9/2012	<0.001	<0.001		<0.001	
11/10/2012			<0.001		<0.001
5/9/2013	<0.001	<0.001	<0.001		
5/10/2013				<0.001	<0.001
11/5/2013		<0.001			
11/6/2013	<0.001		<0.001	<0.001	<0.001
5/22/2014	<0.001	<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001				
11/9/2014			<0.001	<0.001	<0.001
11/13/2014		<0.001			
5/22/2015				<0.001	<0.001
5/23/2015	<0.001				
5/24/2015		<0.001	<0.001		
11/10/2015	<0.001		<0.001	<0.001	
11/11/2015		<0.001			<0.001
4/11/2016	<0.001				
4/12/2016		<0.001	<0.001	<0.001 (D)	<0.001
6/16/2016	<0.001	<0.001	<0.001		
6/20/2016				<0.001	<0.001
8/11/2016	<0.001	<0.001	<0.001		
8/12/2016				<0.001	<0.001
10/4/2016		<0.001			
10/5/2016	<0.001		<0.001	<0.001	
10/6/2016					<0.001
11/29/2016	<0.001				
11/30/2016		<0.001	<0.001	<0.001	<0.001
2/7/2017		<0.001			
2/8/2017	<0.001		<0.001	<0.001	<0.001
4/5/2017	<0.001				
4/6/2017		<0.001	<0.001	<0.001	<0.001
6/20/2017		<0.001			
6/21/2017	<0.001		<0.001	<0.001	
6/22/2017					<0.001
10/4/2017		<0.001			
10/5/2017	<0.001		<0.001	<0.001	
10/6/2017					<0.001
3/20/2018	<0.001	<0.001			

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
3/21/2018			<0.001	<0.001	<0.001
10/2/2018	<0.001	<0.001			
10/3/2018			<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019		<0.001		<0.001	<0.001
9/12/2019	<0.001		<0.001		
3/18/2020		0.00025 (J)		<0.001	
3/19/2020	<0.001		<0.001		0.00036 (J)
9/9/2020	<0.001	<0.001			
9/10/2020			<0.001	<0.001	<0.001
4/1/2021		<0.001			
4/2/2021					<0.001
4/5/2021	0.00032 (J)		<0.001		
4/6/2021				<0.001	

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.001	<0.001	<0.001
5/11/2010	<0.001	<0.001			
6/16/2010					<0.001
6/18/2010	<0.001	<0.001	<0.001		
6/19/2010				<0.001	
7/27/2010	<0.001	<0.001			<0.001
7/28/2010			<0.001	<0.001	
9/8/2010				<0.001	<0.001
9/9/2010	<0.001	<0.001	<0.001		
4/29/2011	<0.001				<0.001
4/30/2011		<0.001	<0.001	<0.001	
10/27/2011				<0.001	<0.001
10/28/2011	<0.001				
10/29/2011		<0.001	0.00027		
5/3/2012					<0.001
5/4/2012	<0.001	<0.001	<0.001	<0.001	
11/10/2012	<0.001	<0.001	<0.001		
11/11/2012				<0.001	<0.001
5/9/2013	<0.001	<0.001	<0.001		<0.001
5/10/2013				<0.001	
11/6/2013	<0.001				<0.001
11/7/2013		<0.001	0.00026	<0.001	
5/21/2014		<0.001	<0.001	<0.001	<0.001
5/22/2014	<0.001				
11/9/2014	<0.001	<0.001			
11/12/2014			<0.001		<0.001
11/13/2014				<0.001	
5/23/2015				<0.001	<0.001
5/24/2015	<0.001	<0.001	<0.001		
11/11/2015	<0.001	<0.001	<0.001	<0.001	
11/12/2015					<0.001
4/12/2016		<0.001			
4/13/2016			<0.001 (D)		<0.001 (D)
4/19/2016	<0.001			<0.001	
6/20/2016		<0.001	<0.001		
6/22/2016	<0.001				<0.001
8/12/2016		<0.001			
8/15/2016			<0.001		<0.001
8/16/2016	<0.001				
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				<0.001	
11/30/2016		<0.001			
12/1/2016	<0.001		<0.001	<0.001	<0.001
2/8/2017					<0.001
2/9/2017	<0.001	<0.001	<0.001	<0.001	
4/6/2017	<0.001	<0.001			<0.001
4/7/2017			<0.001	<0.001	
6/21/2017	<0.001	<0.001		<0.001	<0.001
6/22/2017			<0.001		
8/15/2017				<0.001	
9/1/2017				<0.001	
10/5/2017	<0.001				<0.001

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
10/6/2017		<0.001	<0.001		
10/9/2017				<0.001	
3/21/2018		<0.001			<0.001
3/22/2018	<0.001		<0.001	<0.001	
10/2/2018					<0.001
10/3/2018	<0.001	<0.001			
10/4/2018			<0.001	<0.001	
3/26/2019		<0.001			
3/27/2019	<0.001		<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	<0.001
3/19/2020			<0.001		
9/9/2020	<0.001			<0.001	<0.001
9/10/2020		<0.001	0.00019 (J)		
4/1/2021	<0.001		<0.001		<0.001
4/5/2021		0.0003 (J)		0.00081 (J)	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
4/6/2016	38	84	61		
4/12/2016				147	
4/13/2016					103 (D)
6/15/2016	<10	139	113		
6/16/2016				150	
6/21/2016					214 (O)
8/10/2016	56	80	74		
8/11/2016				110	
8/15/2016					130
10/4/2016	48	62		140	
10/5/2016			44		84
11/29/2016		110	58		
11/30/2016	46			130	
12/1/2016					130
2/7/2017	18	70	4 (J)	130	
2/8/2017					130
4/4/2017	32	120	78		
4/5/2017				130	
4/6/2017					130
6/20/2017	38	76	50	120	
6/21/2017					120
10/4/2017	42			130	
10/5/2017		110	64		140
3/20/2018	20 (JX)	110	90	110	
3/21/2018					120
10/2/2018	48	110	90	140	150
3/26/2019	45	100	82	150	
3/27/2019					140
9/10/2019	42	75	51	130	
9/11/2019					110
3/18/2020	43	93	75	130	140
9/9/2020	<10	66	64	120	160
4/1/2021	55	100	68	120	140

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
4/11/2016					89
4/13/2016	99 (D)	<10 (D)	60 (D)	56 (D)	
6/16/2016					88
6/21/2016	293	110	195 (O)	68	
8/11/2016					52
8/15/2016	90	<10	42	46	
10/4/2016				60	
10/5/2016	70	<10			76
10/7/2016			24		
11/29/2016					72
12/1/2016	120	16	68	70	
2/7/2017				40	
2/8/2017	86	12			74
2/9/2017			56		
4/5/2017		18			
4/6/2017	130		68	74	84
6/20/2017	86	<10		34	
6/21/2017					88
6/22/2017			56		
10/5/2017	94	28		98	110
10/6/2017			90		
3/20/2018				42	92
3/21/2018	100	28 (JX)			
3/22/2018			76		
10/2/2018	120	38		40	100
10/3/2018			22		
3/26/2019		29	59	60	94
3/27/2019	100				
9/11/2019	94	14	33	26	77
3/18/2020	100	26	100	57	92
9/9/2020				54	77
9/10/2020	95	13	60		
4/1/2021	90	17		43	62
4/6/2021			55		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/11/2016	99				
4/12/2016		93	104	92 (D)	80
6/16/2016	102	130	111		
6/20/2016				78	111
8/11/2016	38	92	70		
8/16/2016				76	100
10/4/2016		120			
10/5/2016	26		92	64	
10/6/2016					110
11/29/2016	82				
11/30/2016		130	92	82	110
2/7/2017		36			
2/8/2017	78		98	92	120
4/5/2017	100				
4/6/2017		150	92	88	130
6/20/2017		92			
6/21/2017	100		100	88	
6/22/2017					110
10/4/2017		120			
10/5/2017	100		130	86	
10/6/2017					120
3/20/2018	100	120			
3/21/2018			100	98	160
10/2/2018	130	140			
10/3/2018			130	60	120
3/26/2019	100	130	110	86	130
9/10/2019		140		66	93
9/12/2019	70		84		
3/18/2020		140		72	
3/19/2020	110		120		130
9/9/2020	120	110			
9/10/2020			110	59	130
4/1/2021		120			
4/2/2021					150
4/6/2021				81	
6/1/2021	130		120		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:04 AM

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
4/12/2016		138			
4/13/2016			130 (D)		135 (D)
4/19/2016	1290			179	
6/20/2016		154	116		
6/22/2016	1060				199
8/15/2016			92		120
8/16/2016	880	140			
10/6/2016	820	150	110		140
10/10/2016				110 (O)	
11/30/2016		160			
12/1/2016	900		140	170	160
2/8/2017					130
2/9/2017	940	160	120	180	
4/6/2017	1100	140			140
4/7/2017			120	200	
6/21/2017	1200	150		190	150
6/22/2017			100		
8/15/2017				190	
9/1/2017				160	
10/5/2017	950				170
10/6/2017		160	140		
3/21/2018		170			160
3/22/2018	1000		130	220	
10/2/2018					34
10/3/2018	620	120			
10/4/2018			110		
10/17/2018				170	
3/26/2019		130			
3/27/2019	580		120	300	140
9/11/2019	310	120	100	210	130
3/18/2020	430	140		300	130
3/19/2020			98		
9/9/2020	270			360	150
9/10/2020		140	120		
4/1/2021	260		110		120
6/1/2021				340	
6/2/2021		140			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			0.0024 (J)		
5/9/2010	<0.001	0.0049 (J)			
5/10/2010					0.011
5/11/2010				0.012	
6/16/2010		0.0054 (J)	0.002 (J)		0.01
6/17/2010				0.0082 (J)	
6/18/2010	<0.001				
7/26/2010			<0.001		
7/27/2010		0.0055 (J)		0.0096 (J)	
7/28/2010	<0.001				0.011
9/7/2010		0.005 (J)	0.0026 (J)		
9/8/2010					0.011
9/9/2010	<0.001			0.0098 (J)	
4/28/2011				0.0085 (J)	
4/29/2011		0.005 (J)	0.0036 (J)		0.01
4/30/2011	<0.001				
10/27/2011					0.014
10/28/2011	<0.001	0.0081 (J)	<0.001		
10/29/2011				0.011	
5/2/2012	<0.001	0.0059 (J)	0.003 (J)		
5/3/2012				0.013	
5/4/2012					0.0096 (J)
11/9/2012	<0.001	0.0062 (J)	0.0081 (J)	0.013	
11/11/2012					0.011
5/8/2013	<0.001	0.0079 (J)	<0.001		
5/9/2013				0.012	0.011
11/5/2013	<0.001			0.015	0.013
11/6/2013		0.0068 (J)	0.0032 (J)		
5/20/2014	<0.001	0.0074 (J)	0.0036 (J)		
5/21/2014					0.012
5/23/2014				0.015	
11/8/2014		0.0097 (J)	0.0065 (J)		
11/12/2014	0.0035 (J)				0.016
11/13/2014				0.02	
5/22/2015	<0.001	0.0085 (J)	<0.001		
5/23/2015				0.018	0.011
11/9/2015		<0.001	0.0047 (J)		
11/11/2015	<0.001			0.018	
11/12/2015					0.0053 (J)
4/6/2016	<0.001	0.00726 (J)	0.00424 (J)		
4/12/2016				0.0173	
4/13/2016					0.0124 (D)
10/4/2016	0.0031	0.013		0.021	
10/5/2016			0.0049		0.013
4/4/2017	<0.001	0.0046	0.0048		
4/5/2017				0.017	
4/6/2017					0.013
10/4/2017	0.0021 (J)			0.02	
10/5/2017		0.0071	0.0024 (J)		0.015
3/20/2018	<0.001 (D)	0.0067	0.0041	0.016	
3/21/2018					0.012
10/2/2018	<0.001	0.0069	0.004	0.017	0.012

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.001	0.007	0.0051	0.017	
3/27/2019					0.012
9/10/2019	0.0022	0.01	0.0091	0.02	
9/11/2019					0.017
3/18/2020	0.0011	0.0078	0.0051	0.02	0.013
9/9/2020	<0.001	0.0072	0.0053	0.018	0.012
4/1/2021	<0.001	0.0078	0.005	0.019	0.013

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.001	<0.001	<0.001	
5/10/2010	0.009 (J)				0.0052 (J)
6/16/2010	0.0089 (J)				0.0059 (J)
6/18/2010		<0.001	<0.001	<0.001	
7/26/2010					0.0052 (J)
7/27/2010	0.0089 (J)	<0.001			
7/28/2010				<0.001	
7/29/2010			<0.001		
9/7/2010					0.0056 (J)
9/8/2010	0.009 (J)	<0.001			
9/9/2010			<0.001	<0.001	
4/26/2011			<0.001		
4/29/2011	0.0082 (J)	<0.001			0.005 (J)
4/30/2011				<0.001	
10/27/2011	0.009 (J)				
10/28/2011		<0.001	<0.001	<0.001	0.0048 (J)
5/2/2012					0.0057 (J)
5/3/2012		<0.001		<0.001	
5/4/2012	0.0091 (J)		<0.001		
11/9/2012					0.0057 (J)
11/10/2012	0.0096 (J)	<0.001		<0.001	
11/11/2012			<0.001		
5/8/2013			0.0039 (J)	<0.001	0.0069 (J)
5/9/2013	0.01	<0.001			
11/5/2013				<0.001	
11/6/2013	0.01	<0.001			0.0052 (J)
11/7/2013			<0.001		
5/20/2014	0.011	<0.001	<0.001	<0.001	
5/23/2014					0.0081 (J)
11/8/2014					0.01
11/12/2014	0.012	0.0032 (J)	0.004 (J)	<0.001	
5/22/2015					0.0052 (J)
5/23/2015		<0.001			
5/24/2015	0.012		<0.001	<0.001	
11/10/2015					<0.001
11/11/2015				<0.001	
11/12/2015	<0.001	<0.001	<0.001		
4/11/2016					0.00604 (J)
4/13/2016	0.00976 (JD)	<0.001 (D)	<0.001 (D)	<0.001 (D)	
10/4/2016				0.0026	
10/5/2016	0.013	<0.001			0.0075
10/7/2016			<0.001		
4/5/2017		<0.001			
4/6/2017	0.011		<0.001	<0.001	0.0065
10/5/2017	0.013	0.0022 (J)		0.0024 (J)	0.0052
10/6/2017			0.0032		
3/20/2018				<0.001	0.0064
3/21/2018	0.0098	<0.0014 (JX)			
3/22/2018			<0.001		
10/2/2018	0.01	<0.001		<0.001	0.0064
10/3/2018			<0.001		
3/26/2019		0.0029	0.0041	0.0034	0.0094

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	0.012				
9/11/2019	0.015	0.0052	0.0062	0.0062	0.011
3/18/2020	0.011	<0.001	0.001	<0.001	0.0075
9/9/2020				<0.001	0.007
9/10/2020	0.01	<0.001	0.0011		
4/1/2021	0.011	<0.001		0.0013	0.0081
4/6/2021			0.0028		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	0.0064 (J)	0.0078 (J)	0.014	0.0046 (J)	0.0068 (J)
6/16/2010	0.0061 (J)				
6/17/2010			0.014	0.0046 (J)	0.0079 (J)
6/19/2010		<0.001			
7/27/2010	0.006 (J)	0.0096 (J)	0.016		
7/28/2010				0.019 (O)	0.0077 (J)
9/7/2010	0.0066 (J)		0.017	0.0072 (J)	
9/8/2010					0.0077 (J)
9/9/2010		0.0095 (J)			
4/28/2011		0.01			0.0099 (J)
4/29/2011	0.0066 (J)		0.015	0.0052 (J)	
10/28/2011	0.0057 (J)	0.014	0.016	0.0059 (J)	
10/29/2011					0.006 (J)
5/2/2012	0.006 (J)				
5/3/2012		0.013	0.016	0.0049 (J)	0.0084 (J)
11/9/2012	0.0073 (J)	0.012		0.007 (J)	
11/10/2012			0.018		0.0061 (J)
5/9/2013	0.0069 (J)	0.012	0.019		
5/10/2013				0.0094 (J)	0.009 (J)
11/5/2013		0.014			
11/6/2013	0.0077 (J)		0.019	0.0059 (J)	0.0089 (J)
5/22/2014	0.0075 (J)	0.013	0.018	0.0057 (J)	0.0084 (J)
11/8/2014	0.0081 (J)				
11/9/2014			0.02	0.0069 (J)	0.0076 (J)
11/13/2014		0.016			
5/22/2015				0.006 (J)	0.011
5/23/2015	0.01				
5/24/2015		0.014	0.016		
11/10/2015	0.0033 (J)		0.01	0.011	
11/11/2015		0.014			0.0034 (J)
4/11/2016	0.00756 (J)				
4/12/2016		0.0155	0.019	0.00503 (JD)	0.00654 (J)
10/4/2016		0.017			
10/5/2016	0.0084		<0.001	<0.001	
10/6/2016					<0.001
4/5/2017	0.0086				
4/6/2017		0.015	0.02	0.0056	0.0073
10/4/2017		0.015			
10/5/2017	0.0062		0.02	0.0061	
10/6/2017					0.0087
3/20/2018	0.0072	0.014			
3/21/2018			0.021	0.0097	0.0058
10/2/2018	0.0073	0.015			
10/3/2018			0.017	0.0053	0.006
3/26/2019	0.0094	0.016	0.018	0.0076	0.011
9/10/2019		0.018		0.0078	0.0086
9/12/2019	0.0083		0.02		
3/18/2020		0.016		0.0051	
3/19/2020	0.008		0.019		0.0065
9/9/2020	0.0071	0.014			
9/10/2020			0.018	0.0061	0.0068
4/1/2021		0.014			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					0.0081
4/5/2021	0.0068		0.017		
4/6/2021				0.0075	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			0.011	0.013	0.0097 (J)
5/11/2010	0.0038 (J)	0.0055			
6/16/2010					0.01
6/18/2010	0.0044 (J)	0.0071 (J)	0.017		
6/19/2010				0.0075 (J)	
7/27/2010	0.0054 (J)	0.0085 (J)			0.012
7/28/2010			0.012	0.01	
9/8/2010				0.038	0.013
9/9/2010	0.0053 (J)	0.0088 (J)	0.013		
4/29/2011	0.0039 (J)				0.0097 (J)
4/30/2011		0.0094 (J)	0.012	0.053 (O)	
10/27/2011				0.016	0.015
10/28/2011	<0.001				
10/29/2011		0.009 (J)	0.013		
5/3/2012					0.017
5/4/2012	<0.001	0.0084 (J)	0.012	0.018	
11/10/2012	0.0035 (J)	0.0089 (J)	0.012		
11/11/2012				0.025	0.017
5/9/2013	0.004 (J)	0.0071 (J)	0.013		0.014
5/10/2013				0.09 (O)	
11/6/2013	0.0034 (J)				0.019
11/7/2013		0.0094 (J)	0.014	0.02	
5/21/2014		0.0082 (J)	0.013	0.016	0.016
5/22/2014	0.0047 (J)				
11/9/2014	0.0067 (J)	0.013			
11/12/2014			0.015		0.022
11/13/2014				0.065 (O)	
5/23/2015				0.032	0.016
5/24/2015	0.0033 (J)	0.009 (J)	0.015		
11/11/2015	<0.001	0.0052	0.0055 (J)	0.033	
11/12/2015					0.015
4/12/2016		0.00896 (J)			
4/13/2016			0.0127 (D)		0.0144 (D)
4/19/2016	<0.001			0.0233	
10/6/2016	<0.001	<0.001	<0.001		<0.001
10/10/2016				0.01425 (D)	
4/6/2017	0.0018 (J)	0.0089			0.016
4/7/2017			0.013	0.0044	
10/5/2017	<0.001				0.024
10/6/2017		0.011	0.015		
10/9/2017				0.0047	
3/21/2018		0.0077			0.018
3/22/2018	0.0018 (J)		0.012	0.0043	
10/2/2018					0.021
10/3/2018	0.0018 (J)	0.0081			
10/4/2018			0.012	<0.001	
3/26/2019		0.012			
3/27/2019	0.002 (J)		0.013	0.003	0.019
9/11/2019	0.0047	0.012	0.015	0.0042	0.025
3/18/2020	0.002	0.0099		0.0031	0.012
3/19/2020			0.014		
9/9/2020	0.002			<0.001	0.022

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		0.0094	0.014		
4/1/2021	0.0027		0.014		0.0095
4/5/2021		0.0091		0.0023	

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
5/8/2010			<0.005		
5/9/2010	<0.005	<0.005			
5/10/2010					<0.005
5/11/2010				<0.005	
6/16/2010		<0.005	<0.005		<0.005
6/17/2010				<0.005	
6/18/2010	<0.005				
7/26/2010			<0.005		
7/27/2010		<0.005		<0.005	
7/28/2010	<0.005				<0.005
9/7/2010		<0.005	<0.005		
9/8/2010					<0.005
9/9/2010	<0.005			<0.005	
4/28/2011				<0.005	
4/29/2011		<0.005	<0.005		<0.005
4/30/2011	<0.005				
10/27/2011					<0.005
10/28/2011	<0.005	<0.005	<0.005		
10/29/2011				<0.005	
5/2/2012	<0.005	<0.005	<0.005		
5/3/2012				<0.005	
5/4/2012					<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005	
11/11/2012					<0.005
5/8/2013	<0.005	<0.005	<0.005		
5/9/2013				<0.005	<0.005
11/5/2013	<0.005			<0.005	<0.005
11/6/2013		<0.005	<0.005		
5/20/2014	<0.005	<0.005	<0.005		
5/21/2014					<0.005
5/23/2014				<0.005	
11/8/2014		<0.005	<0.005		
11/12/2014	<0.005				<0.005
11/13/2014				<0.005	
5/22/2015	<0.005	<0.005	<0.005		
5/23/2015				<0.005	<0.005
11/9/2015		<0.005	<0.005		
11/11/2015	<0.005			<0.005	
11/12/2015					<0.005
4/6/2016	<0.005	<0.005	0.00274 (J)		
4/12/2016				<0.005	
4/13/2016					<0.005 (D)
10/4/2016	<0.005	<0.005		<0.005	
10/5/2016			0.0073 (J)		<0.005
4/4/2017	<0.005	<0.005	<0.005		
4/5/2017				<0.005	
4/6/2017					<0.005
10/4/2017	<0.005			<0.005	
10/5/2017		<0.005	<0.005		<0.005
3/20/2018	<0.005 (D)	<0.005	<0.005	<0.005	
3/21/2018					<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-16 (bg)	GWA-17 (bg)	GWC-1	GWC-10
3/26/2019	<0.005	<0.005	<0.005	<0.005	
3/27/2019					<0.005
9/10/2019	0.006	0.0047 (J)	0.0084	0.0038 (J)	
9/11/2019					0.004 (J)
3/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
5/9/2010		<0.005	<0.005	<0.005	
5/10/2010	<0.005				<0.005
6/16/2010	<0.005				<0.005
6/18/2010		<0.005	<0.005	<0.005	
7/26/2010					<0.005
7/27/2010	<0.005	<0.005			
7/28/2010				<0.005	
7/29/2010			<0.005		
9/7/2010					<0.005
9/8/2010	<0.005	<0.005			
9/9/2010			<0.005	<0.005	
4/26/2011			<0.005		
4/29/2011	<0.005	<0.005			<0.005
4/30/2011				<0.005	
10/27/2011	<0.005				
10/28/2011		<0.005	<0.005	<0.005	<0.005
5/2/2012					<0.005
5/3/2012		<0.005		<0.005	
5/4/2012	<0.005		<0.005		
11/9/2012					<0.005
11/10/2012	<0.005	<0.005		<0.005	
11/11/2012			<0.005		
5/8/2013			<0.005	<0.005	<0.005
5/9/2013	<0.005	<0.005			
11/5/2013				<0.005	
11/6/2013	<0.005	<0.005			<0.005
11/7/2013			<0.005		
5/20/2014	<0.005	<0.005	<0.005	<0.005	
5/23/2014					<0.005
11/8/2014					<0.005
11/12/2014	<0.005	<0.005	<0.005	<0.005	
5/22/2015					<0.005
5/23/2015		<0.005			
5/24/2015	<0.005		<0.005	<0.005	
11/10/2015					<0.005
11/11/2015				<0.005	
11/12/2015	<0.005	<0.005	<0.005		
4/11/2016					<0.005
4/13/2016	0.00241 (JD)	0.00409 (JD)	0.00289 (JD)	<0.005 (D)	
10/4/2016				<0.005	
10/5/2016	<0.005	<0.005			<0.005
10/7/2016			<0.005		
4/5/2017		<0.005			
4/6/2017	<0.005		<0.005	<0.005	<0.005
10/5/2017	<0.005	<0.005		<0.005	<0.005
10/6/2017			0.0071 (J)		
3/20/2018				<0.005	<0.005
3/21/2018	0.007 (J)	<0.005 (D)			
3/22/2018			<0.005		
10/2/2018	0.022 (O)	<0.005		<0.005	<0.005
10/3/2018			<0.005		
3/26/2019		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-18
3/27/2019	<0.005				
9/11/2019	0.0072	0.0065	0.0085	0.0038 (J)	0.0077
3/18/2020	<0.005	0.005	0.0052	<0.005	<0.005
9/9/2020				<0.005	<0.005
9/10/2020	0.018	0.0037 (J)	0.0038 (J)		
4/1/2021	0.0034 (J)	<0.005		<0.005	<0.005
4/6/2021			0.004 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
5/11/2010	<0.005	<0.005	<0.005	0.018 (O)	<0.005
6/16/2010	<0.005				
6/17/2010			<0.005	<0.005	<0.005
6/19/2010		<0.005			
7/27/2010	<0.005	<0.005	<0.005		
7/28/2010				0.016 (O)	<0.005
9/7/2010	<0.005		<0.005	<0.005	
9/8/2010					<0.005
9/9/2010		<0.005			
4/28/2011		<0.005			<0.005
4/29/2011	<0.005		<0.005	<0.005	
10/28/2011	<0.005	<0.005	<0.005	<0.005	
10/29/2011					<0.005
5/2/2012	<0.005				
5/3/2012		<0.005	<0.005	<0.005	<0.005
11/9/2012	<0.005	<0.005		<0.005	
11/10/2012			<0.005		<0.005
5/9/2013	<0.005	<0.005	<0.005		
5/10/2013				<0.005	<0.005
11/5/2013		<0.005			
11/6/2013	<0.005		<0.005	<0.005	<0.005
5/22/2014	<0.005	<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005				
11/9/2014			<0.005	<0.005	<0.005
11/13/2014		<0.005			
5/22/2015				<0.005	<0.005
5/23/2015	<0.005				
5/24/2015		<0.005	<0.005		
11/10/2015	<0.005	<0.005	<0.005	<0.005	
11/11/2015		<0.005			<0.005
4/11/2016	<0.005				
4/12/2016		<0.005	<0.005	<0.005 (D)	0.00203 (J)
10/4/2016		<0.005			
10/5/2016	0.0085 (O)		<0.005	0.01 (O)	
10/6/2016					<0.005
4/5/2017	<0.005				
4/6/2017		<0.005	<0.005	<0.005	<0.005
10/4/2017		<0.005			
10/5/2017	<0.005		<0.005	<0.005	
10/6/2017					<0.005
3/20/2018	<0.005	<0.005			
3/21/2018			<0.005	<0.005	<0.005
10/2/2018	<0.005	<0.005			
10/3/2018			<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2019		0.004 (J)		0.0069	0.006
9/12/2019	0.0059		0.0065		
3/18/2020		<0.005		<0.005	
3/19/2020	<0.005		<0.005		<0.005
9/9/2020	<0.005	<0.005			
9/10/2020			<0.005	<0.005	<0.005
4/1/2021		0.01			

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-2	GWC-20	GWC-3	GWC-4
4/2/2021					<0.005
4/5/2021	<0.005		<0.005		
4/6/2021				<0.005	

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
5/10/2010			<0.005	<0.005	<0.005
5/11/2010	<0.005	<0.005			
6/16/2010					<0.005
6/18/2010	<0.005	<0.005	<0.005		
6/19/2010				0.0081 (J)	
7/27/2010	<0.005	<0.005			<0.005
7/28/2010			<0.005	0.017 (J)	
9/8/2010				0.085	<0.005
9/9/2010	<0.005	<0.005	<0.005		
4/29/2011	<0.005				<0.005
4/30/2011		<0.005	<0.005	0.13 (O)	
10/27/2011				0.03	<0.005
10/28/2011	<0.005				
10/29/2011		<0.005	<0.005		
5/3/2012					<0.005
5/4/2012	<0.005	<0.005	<0.005	0.029	
11/10/2012	<0.005	<0.005	<0.005		
11/11/2012				0.046	<0.005
5/9/2013	<0.005	<0.005	<0.005		<0.005
5/10/2013				0.23 (O)	
11/6/2013	<0.005				<0.005
11/7/2013		<0.005	<0.005	0.028	
5/21/2014		<0.005	<0.005	0.015 (J)	<0.005
5/22/2014	<0.005				
11/9/2014	<0.005	<0.005			
11/12/2014			<0.005		<0.005
11/13/2014				0.13 (O)	
5/23/2015				0.059	<0.005
5/24/2015	<0.005	<0.005	<0.005		
11/11/2015	0.0089 (J)	<0.005	<0.005	0.079	
11/12/2015					<0.005
4/12/2016		<0.005			
4/13/2016			<0.005 (D)		<0.005 (D)
4/19/2016	0.0133 (O)			0.0218	
10/6/2016	<0.005	<0.005	<0.005		<0.005
10/10/2016				0.013 (J)	
4/6/2017	0.0087 (J)	<0.005			<0.005
4/7/2017			<0.005	<0.005	
10/5/2017	0.0078 (J)				<0.005
10/6/2017		<0.005	<0.005		
10/9/2017				<0.005	
3/21/2018		<0.005			<0.005
3/22/2018	0.0086 (J)		<0.005	<0.005	
10/2/2018					<0.005
10/3/2018	<0.005	<0.005			
10/4/2018			<0.005	<0.005	
3/26/2019		<0.005			
3/27/2019	<0.005		<0.005	<0.005	<0.005
9/11/2019	0.0074	0.0062	0.0074	0.0052	0.0037 (J)
3/18/2020	0.0045 (J)	<0.005		<0.005	<0.005
3/19/2020			<0.005		
9/9/2020	<0.005			<0.005	<0.005

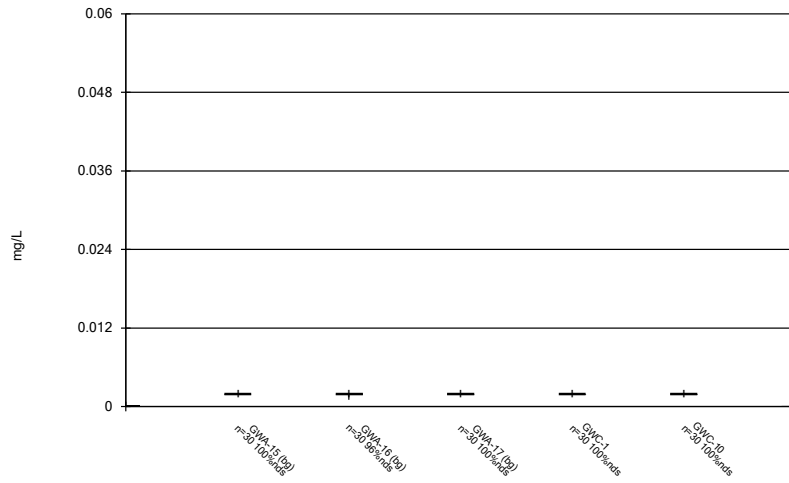
Time Series

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 10:04 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-6	GWC-7	GWC-8A	GWC-9
9/10/2020		<0.005	<0.005		
4/1/2021	<0.005		<0.005		<0.005
4/5/2021		<0.005		<0.005	

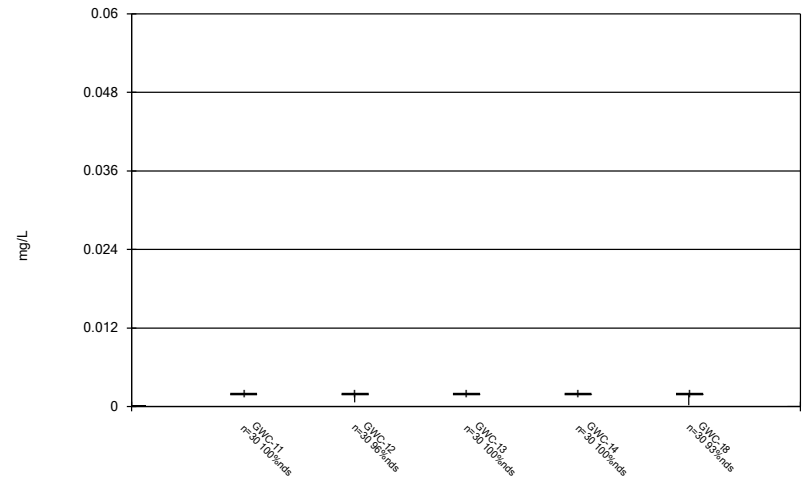
FIGURE B.

Box & Whiskers Plot



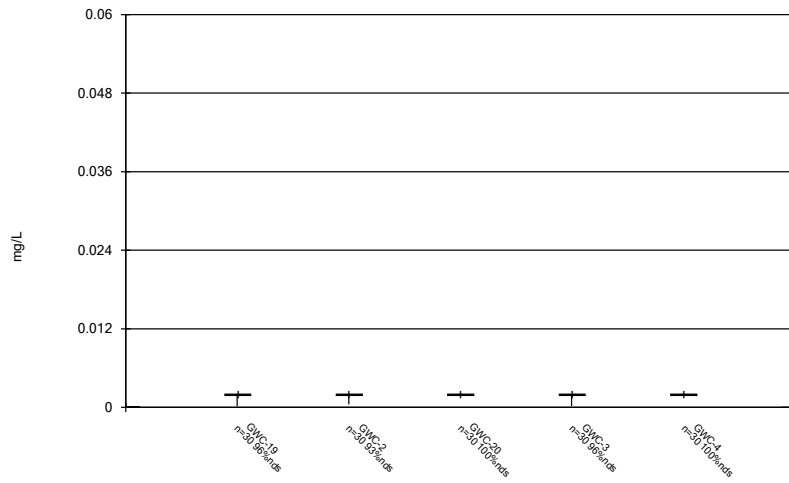
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



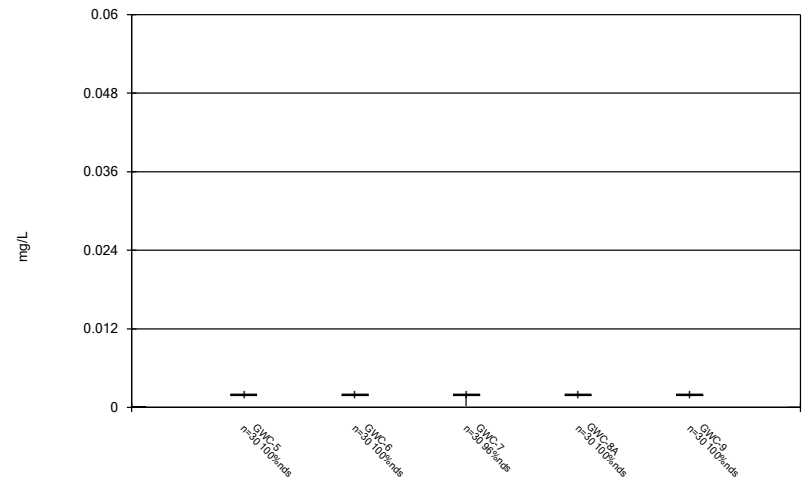
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



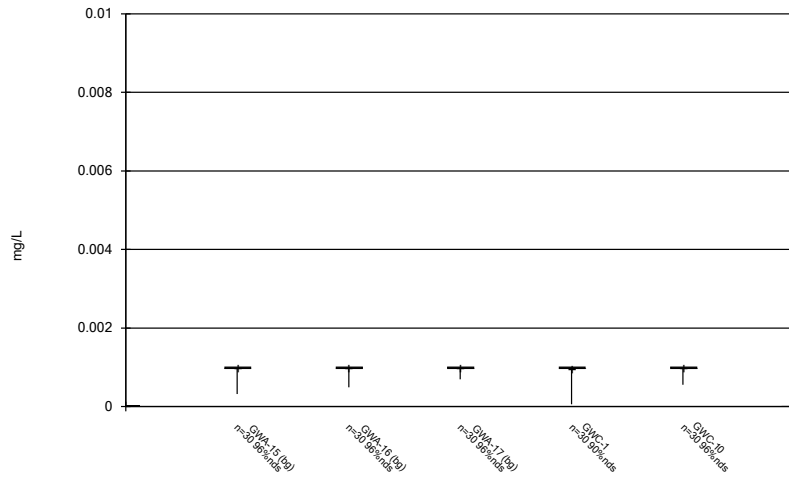
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



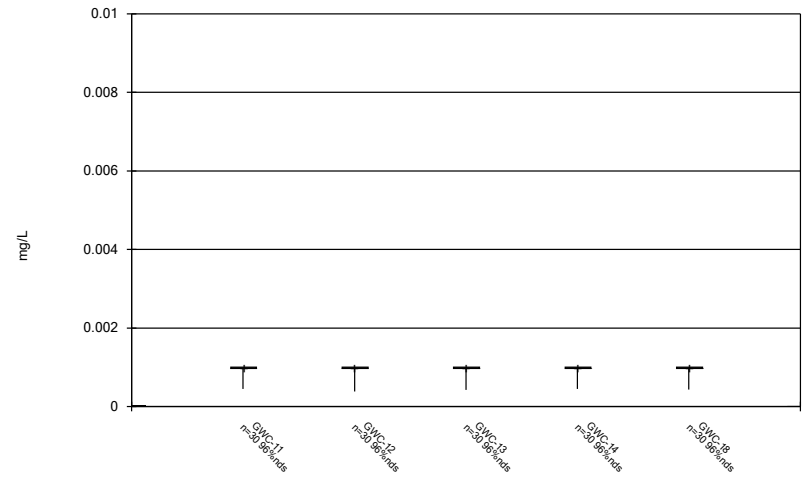
Constituent: Antimony, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



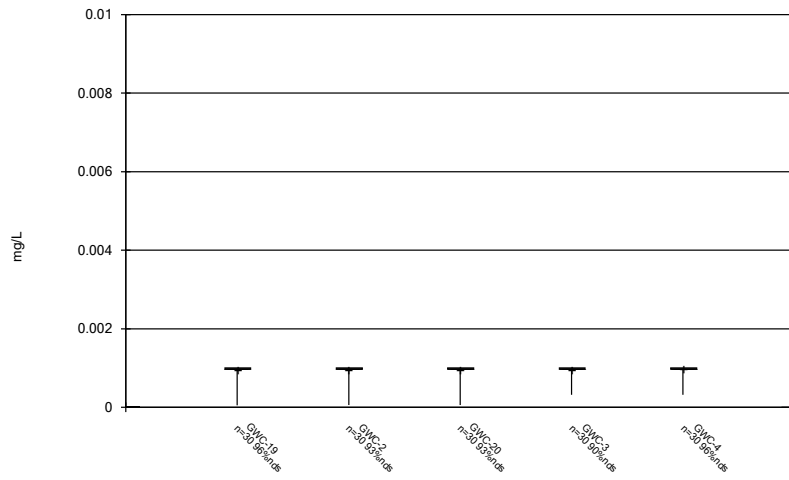
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



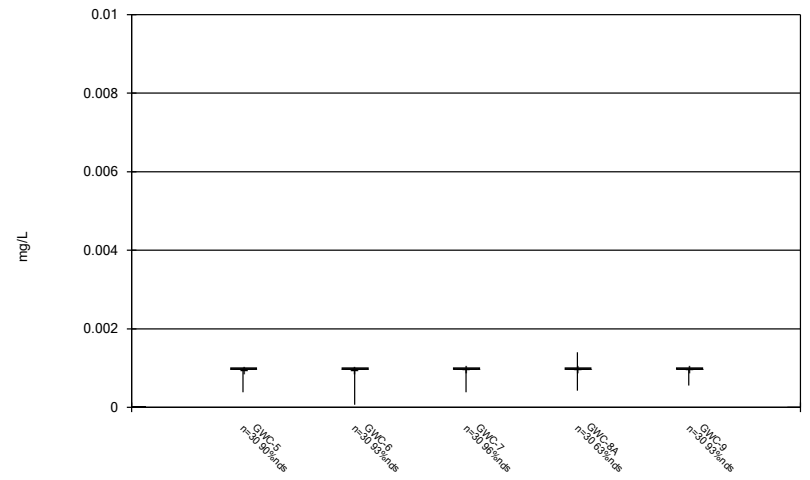
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



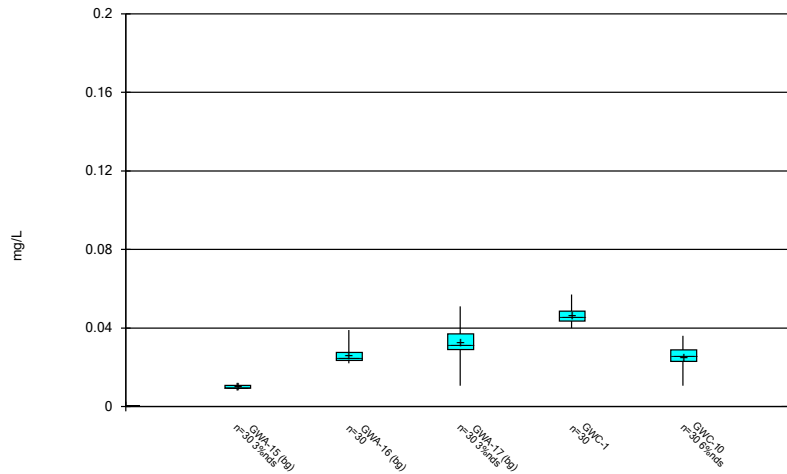
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



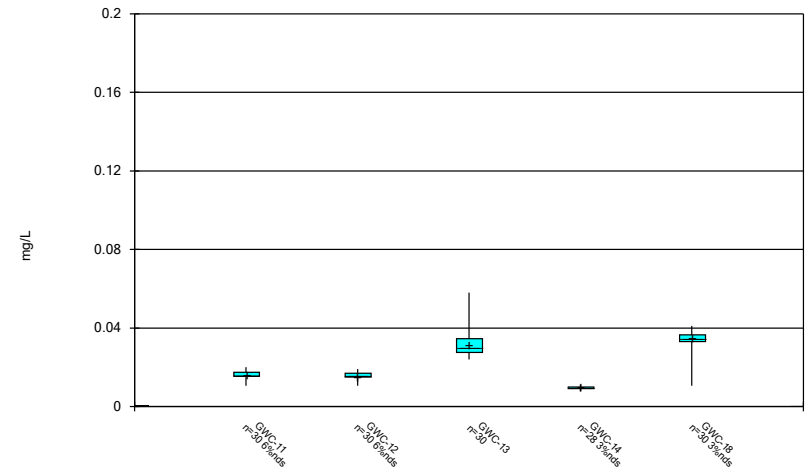
Constituent: Arsenic, Total Analysis Run 6/24/2021 10:05 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



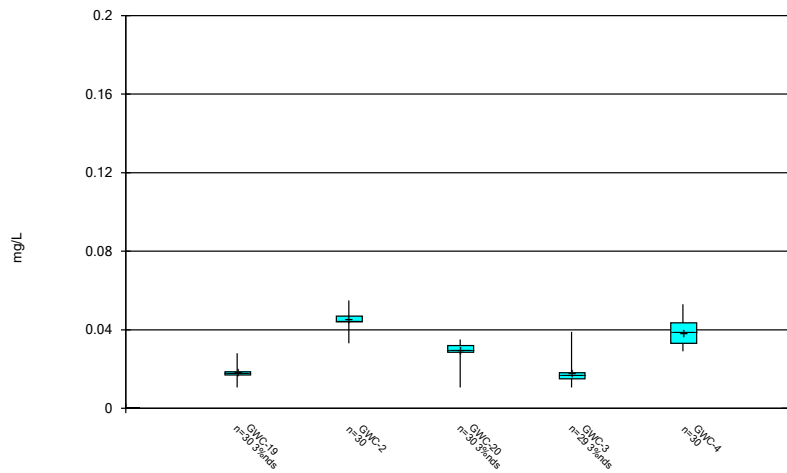
Constituent: Barium, Total Analysis Run 6/24/2021 10:05 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



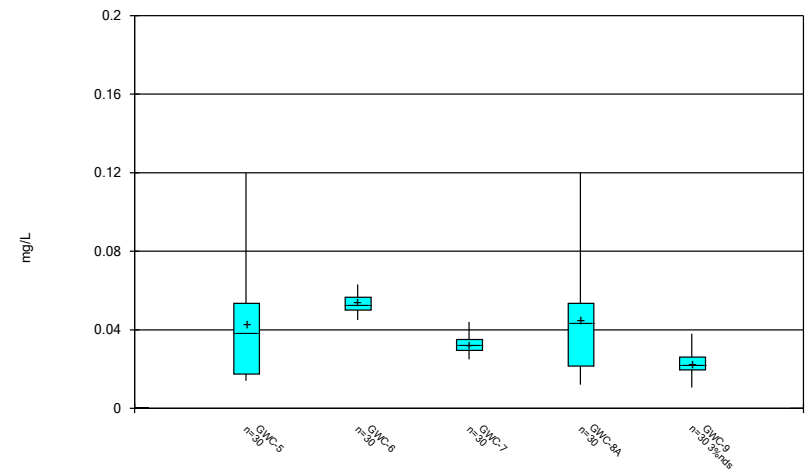
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



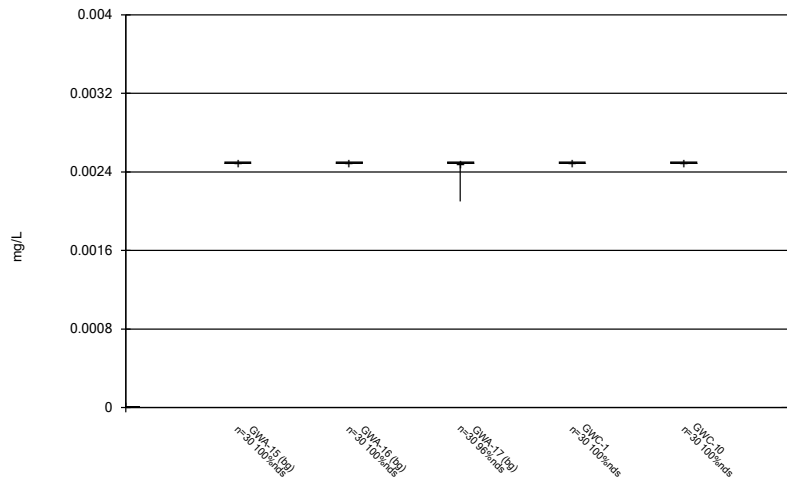
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



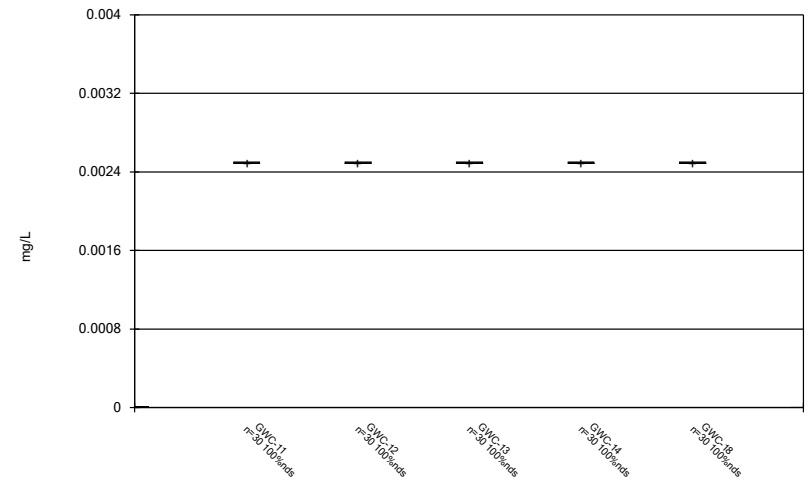
Constituent: Barium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



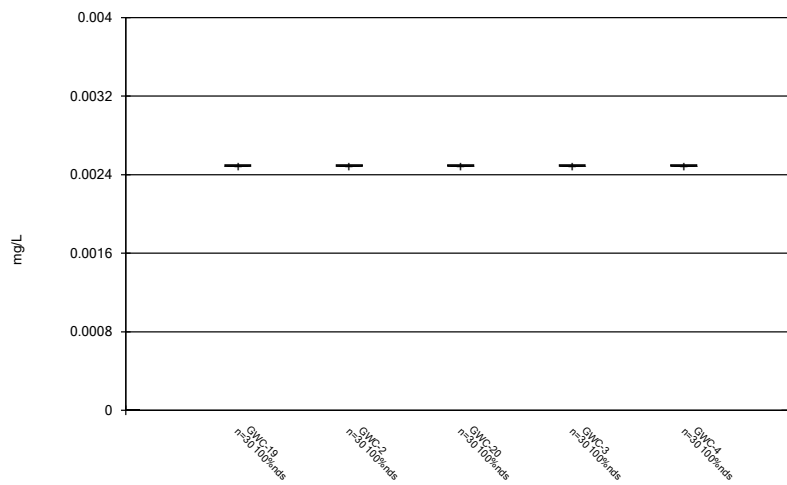
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



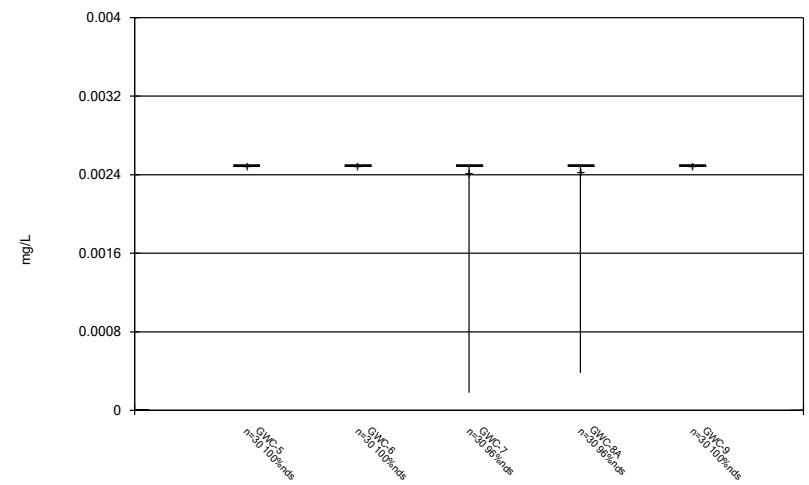
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



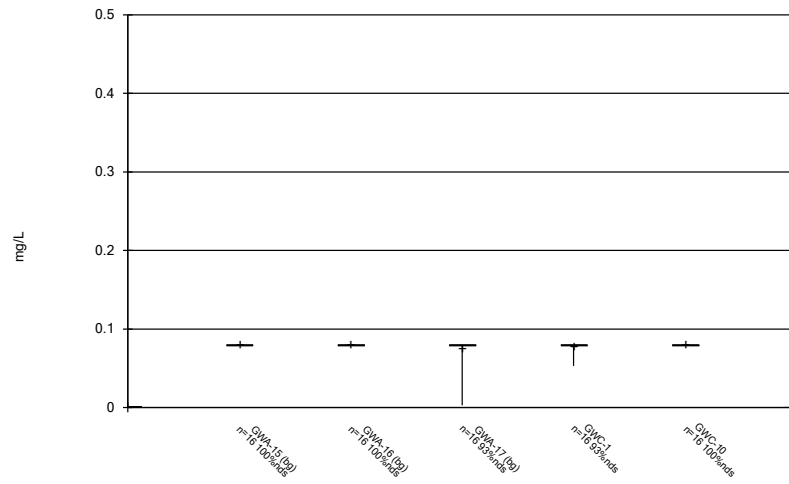
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



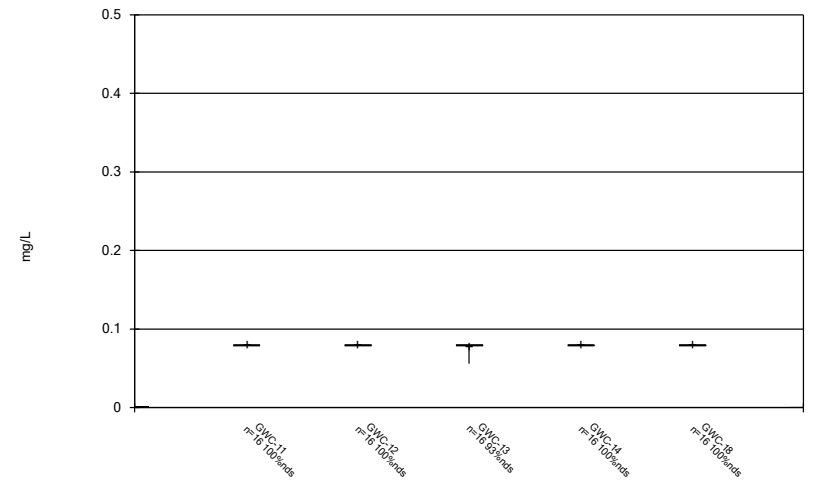
Constituent: Beryllium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



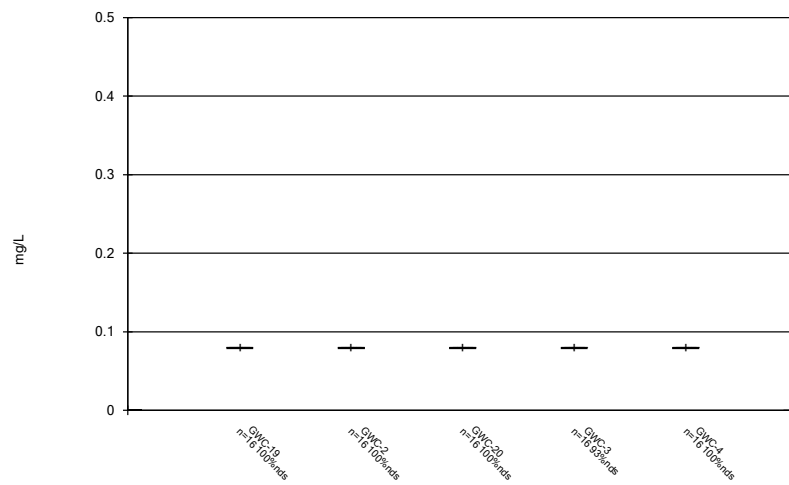
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



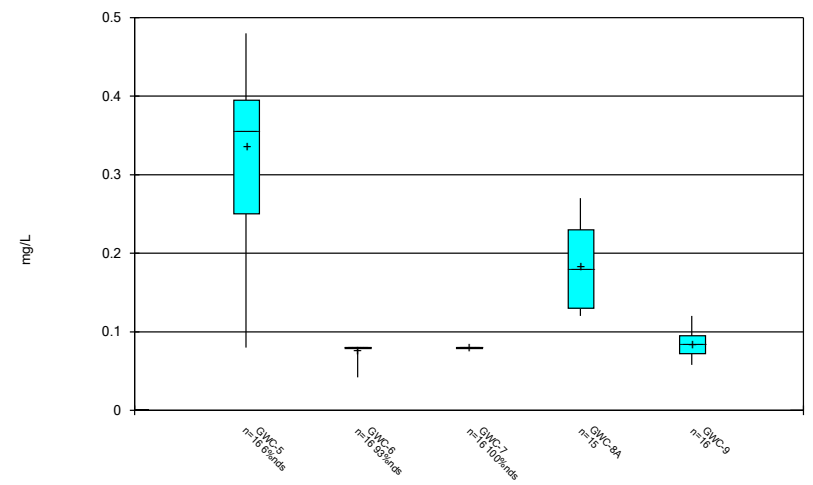
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



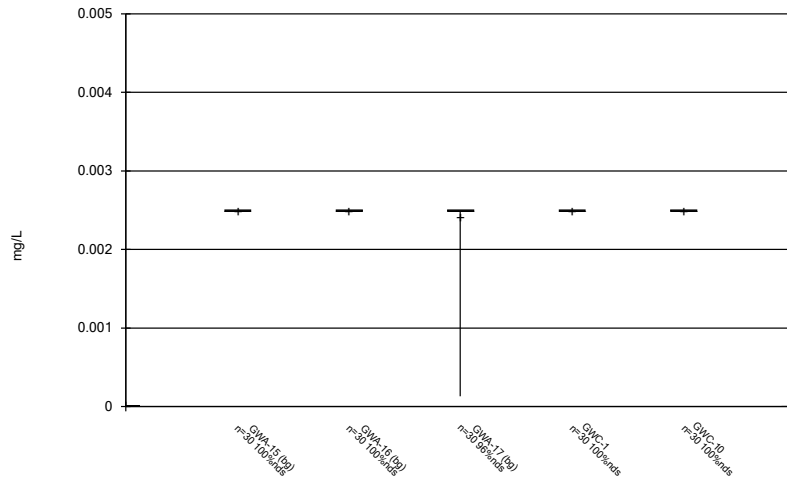
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



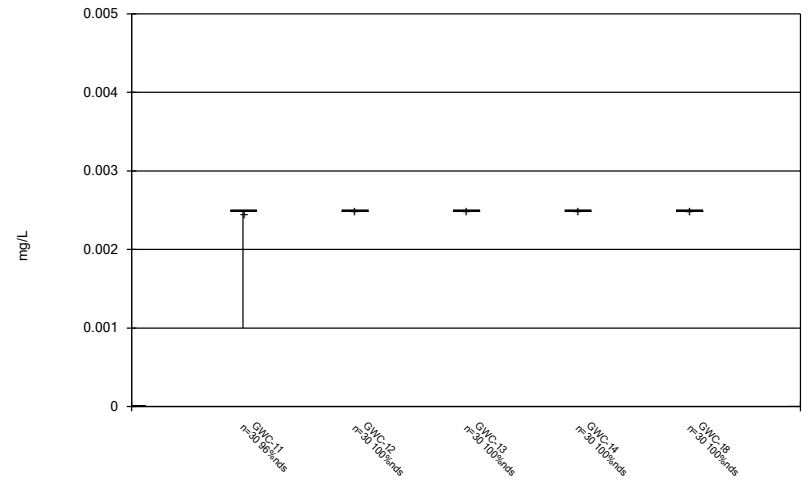
Constituent: Boron, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



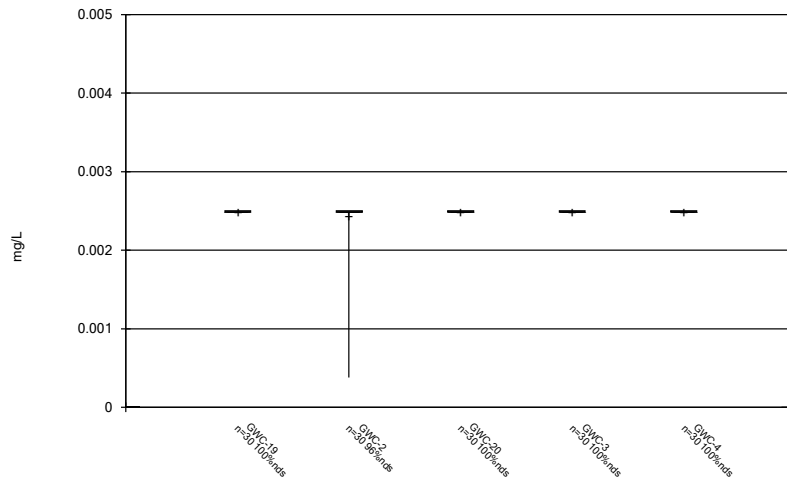
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



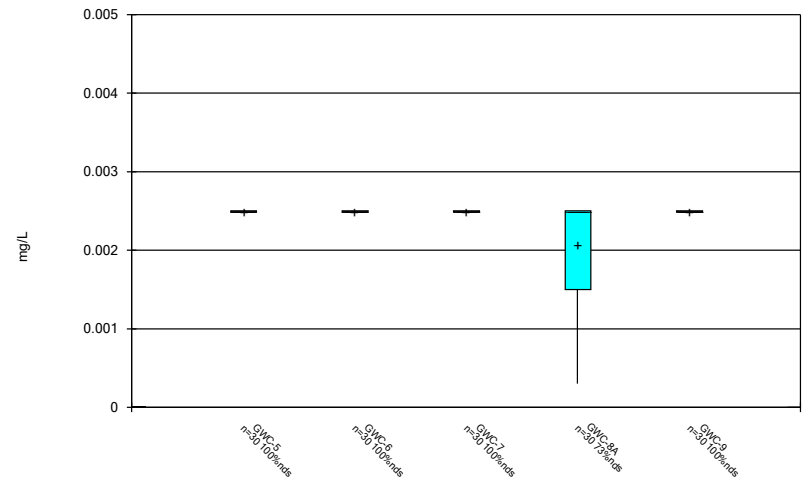
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



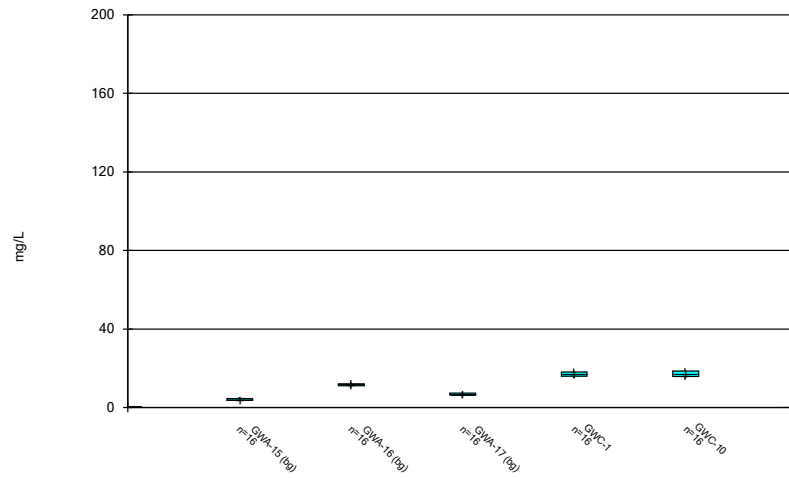
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



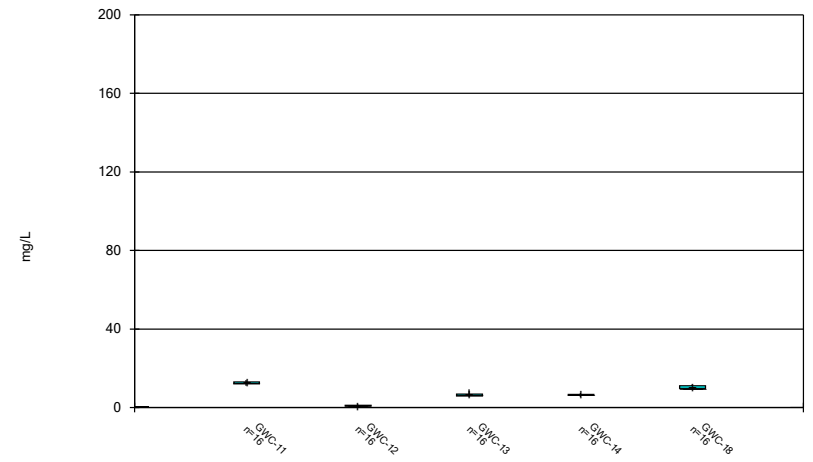
Constituent: Cadmium, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



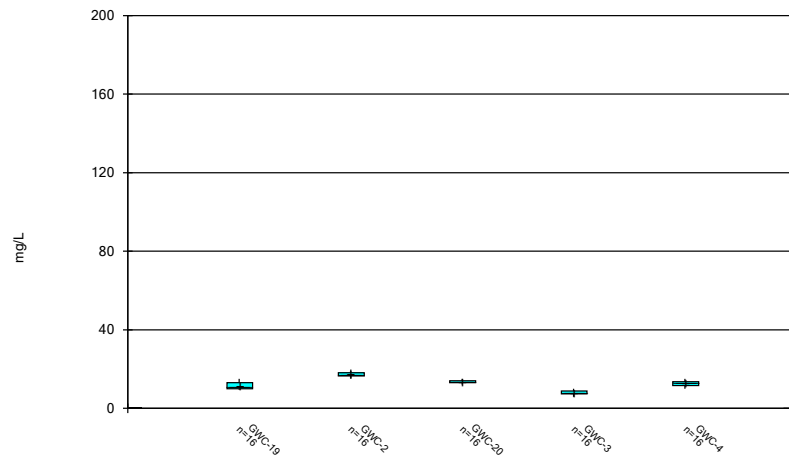
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



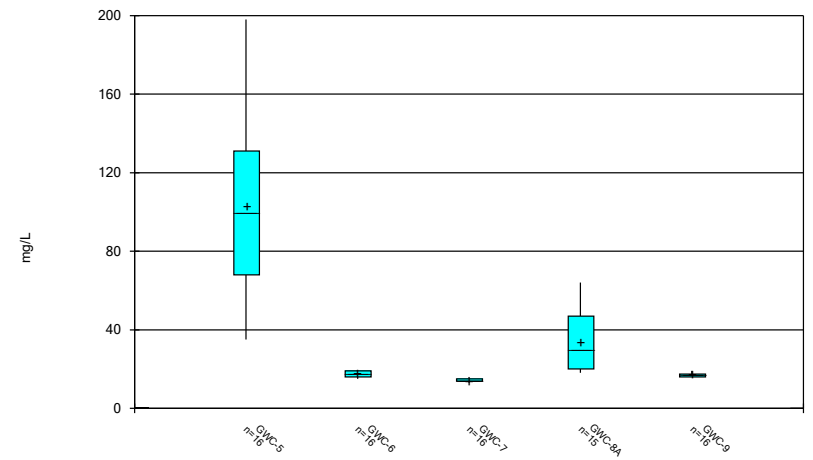
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



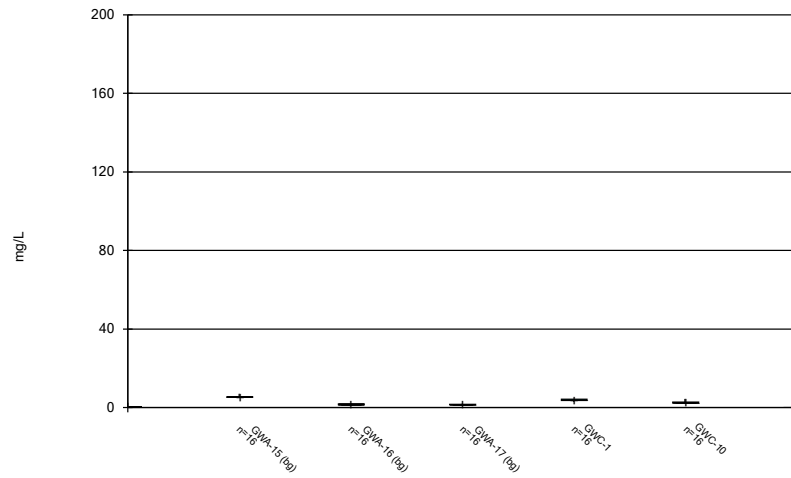
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



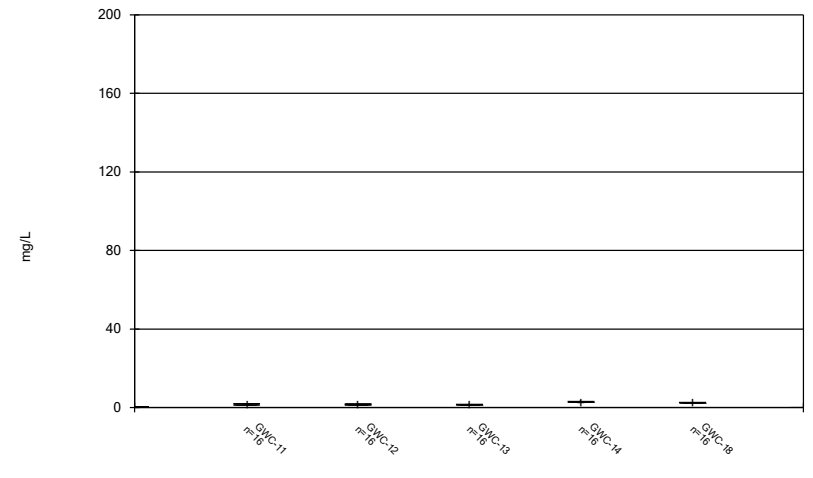
Constituent: Calcium, total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



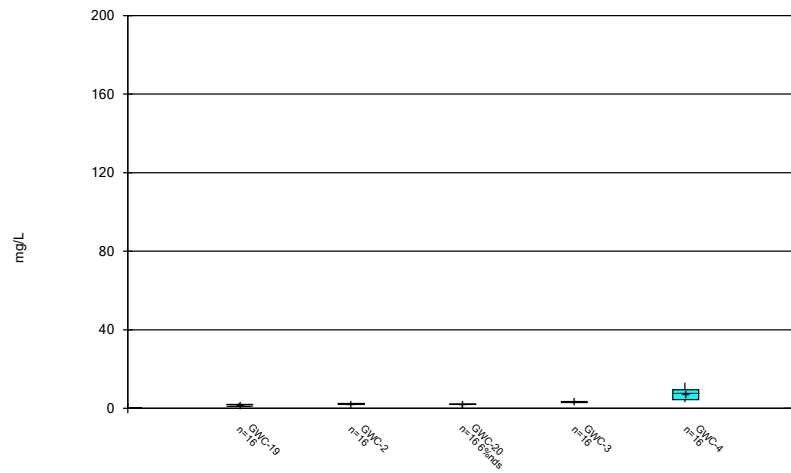
Constituent: Chloride, Total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



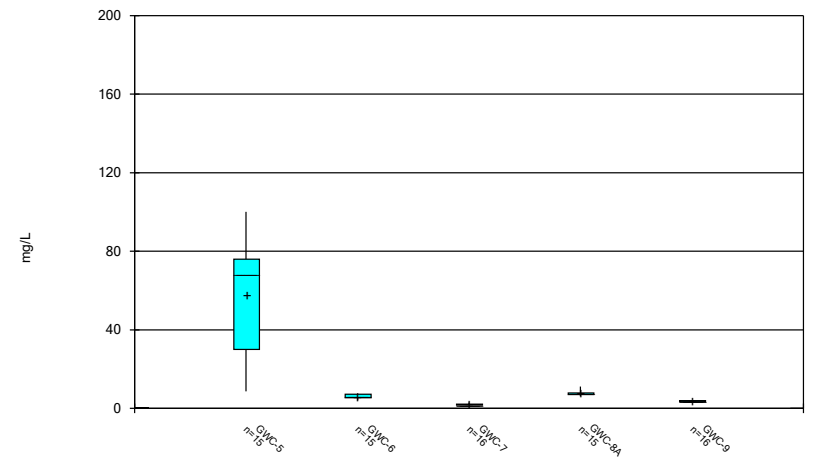
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



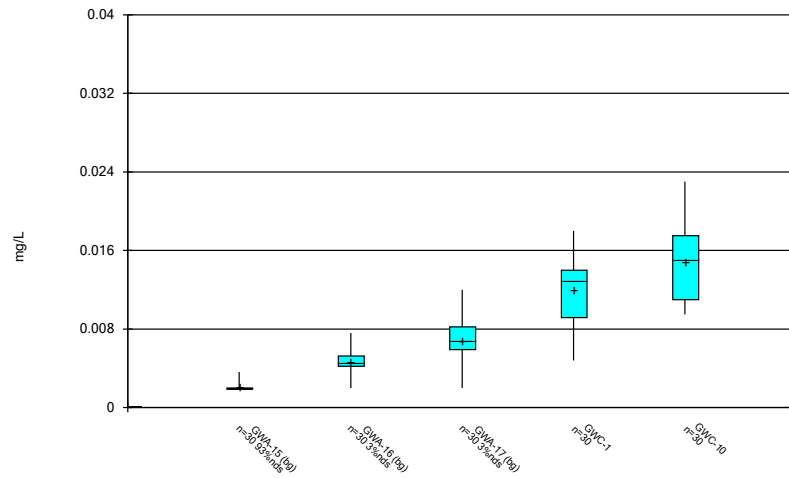
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



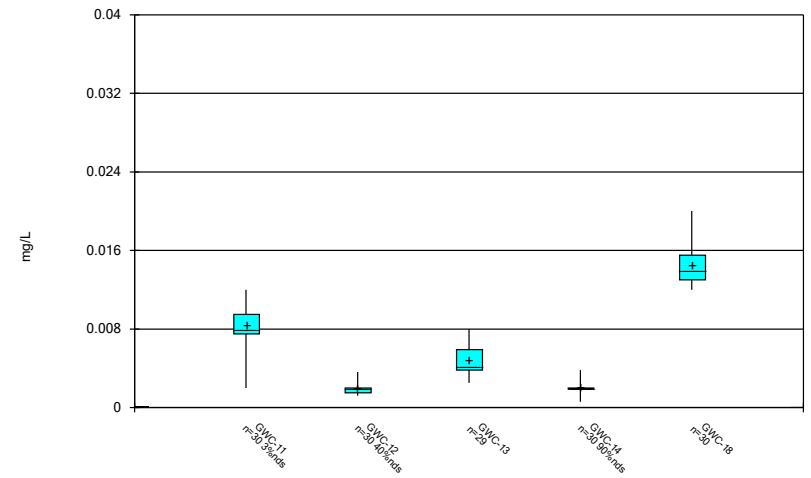
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



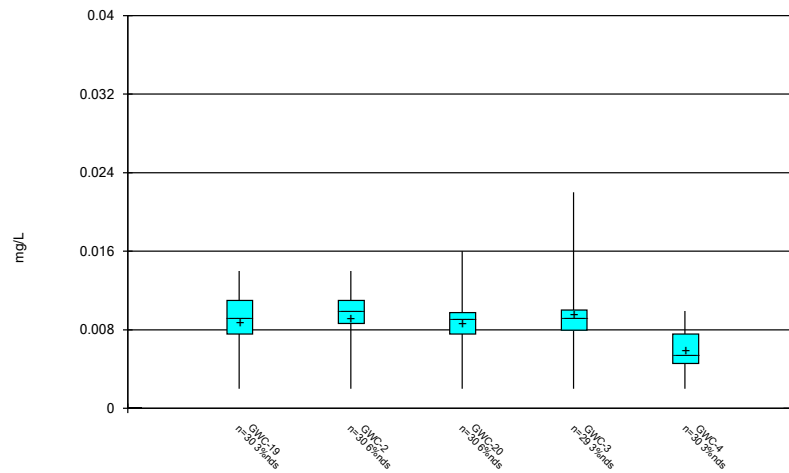
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



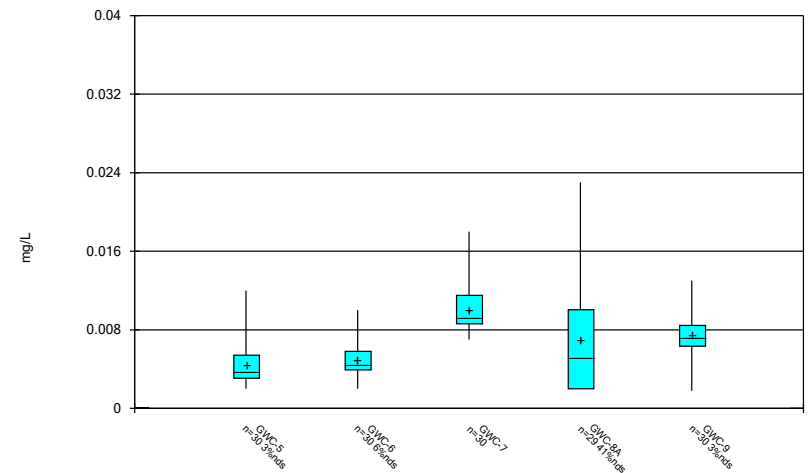
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



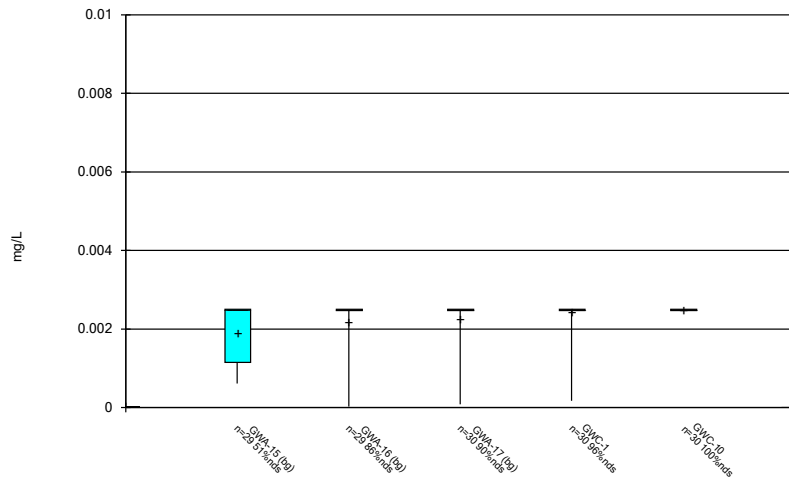
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



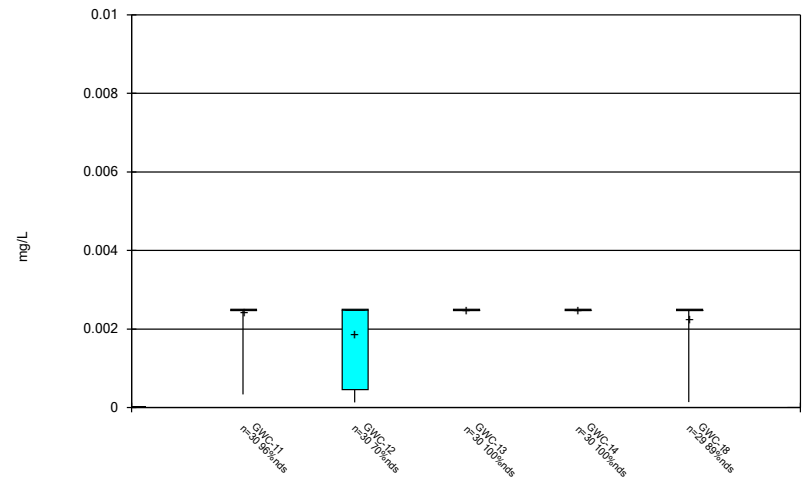
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



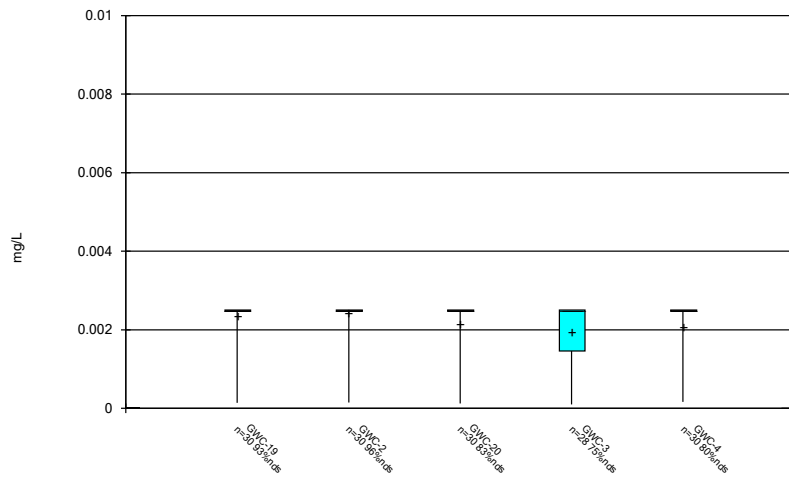
Constituent: Cobalt, Total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



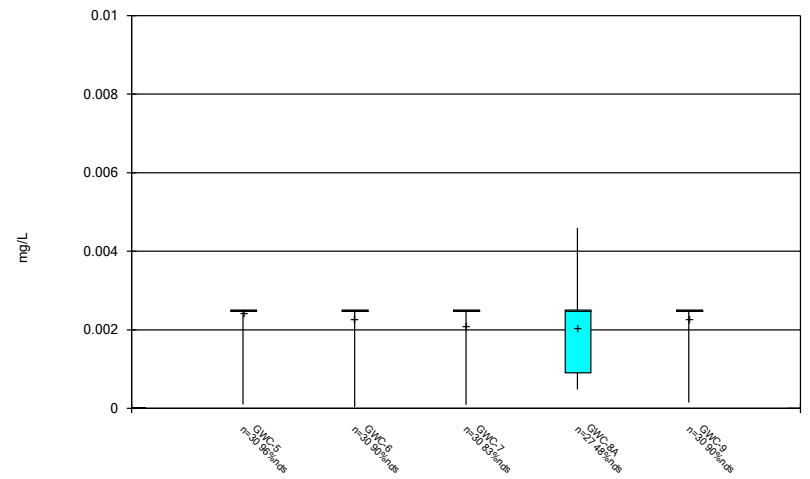
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



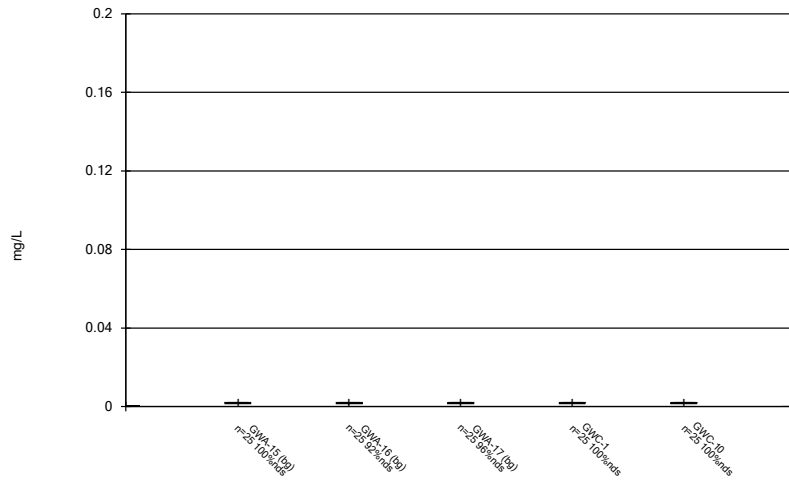
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



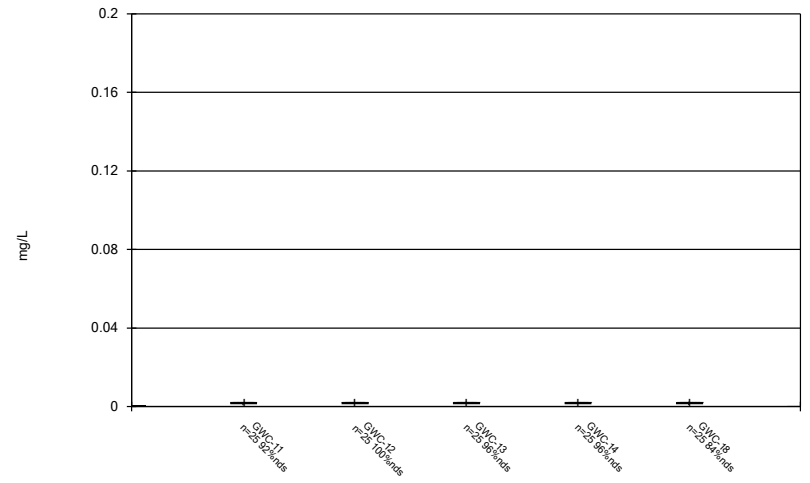
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



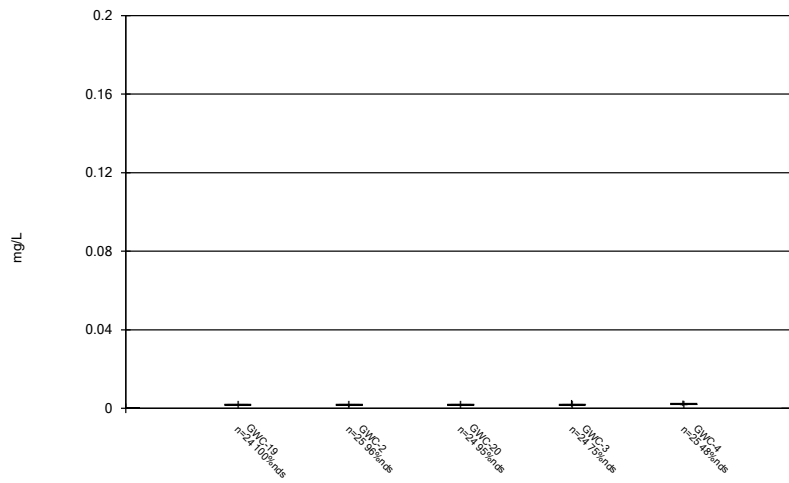
Constituent: Copper Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



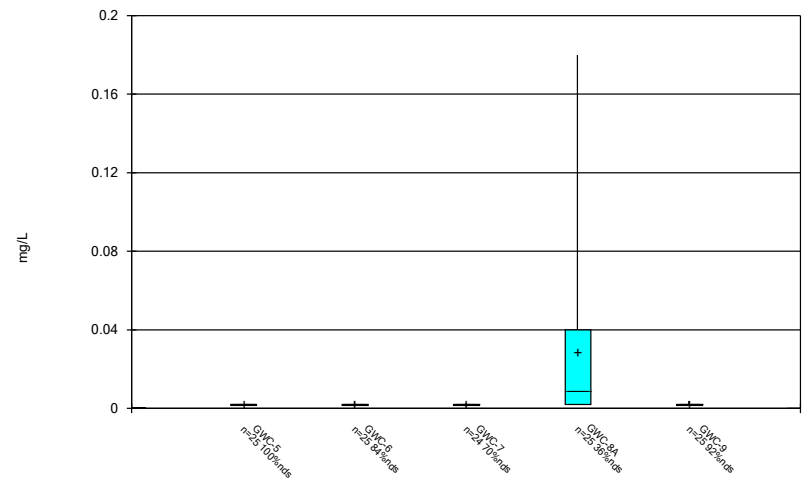
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



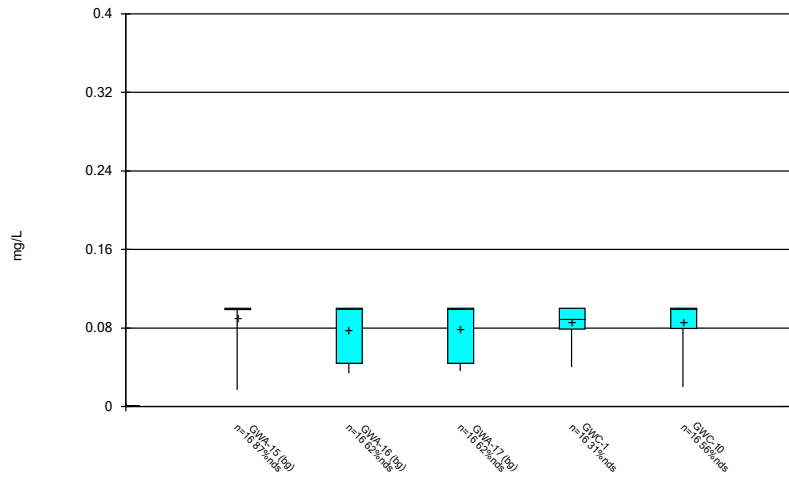
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



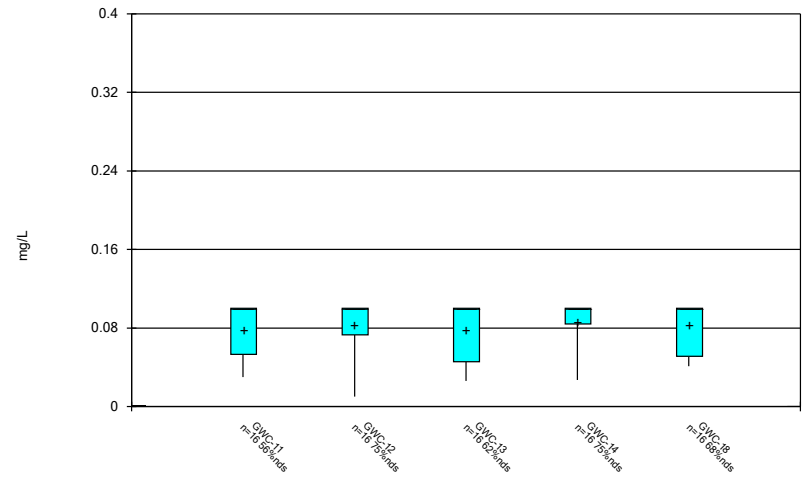
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



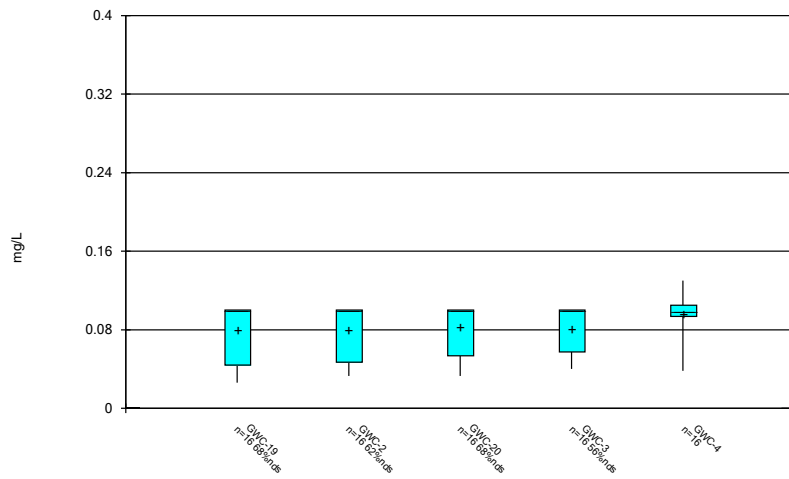
Constituent: Fluoride, total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



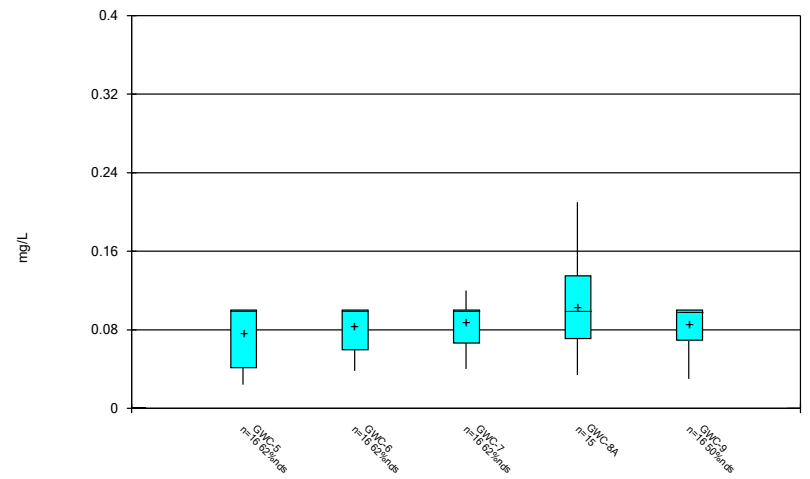
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



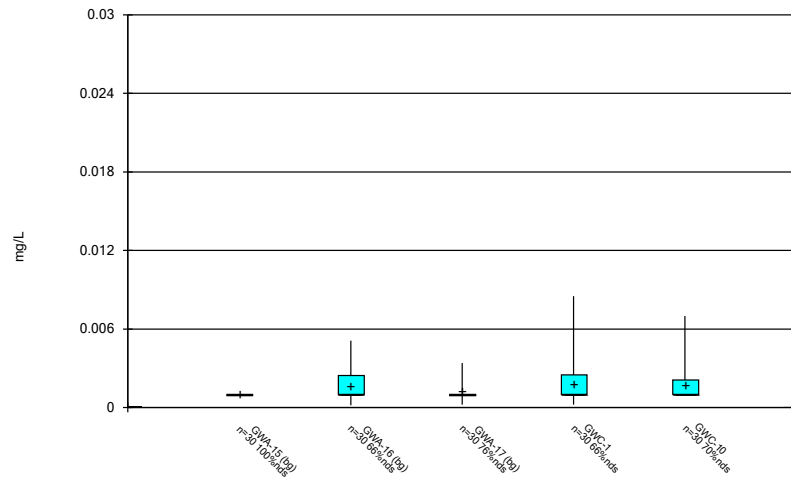
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



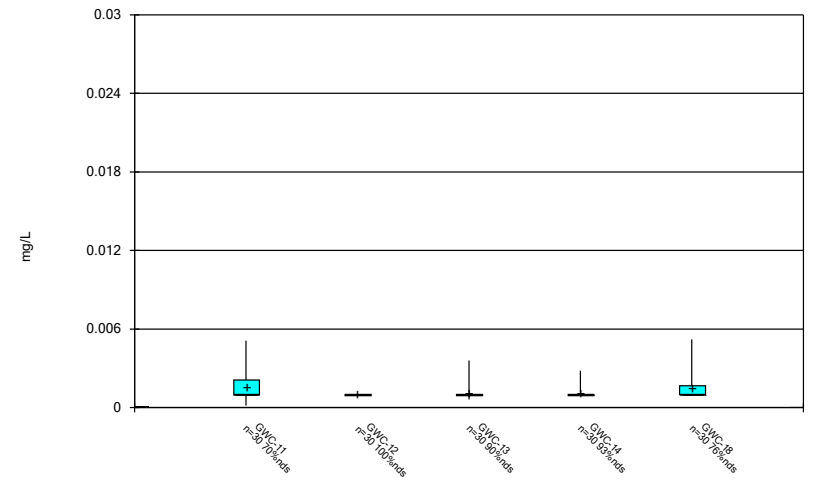
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



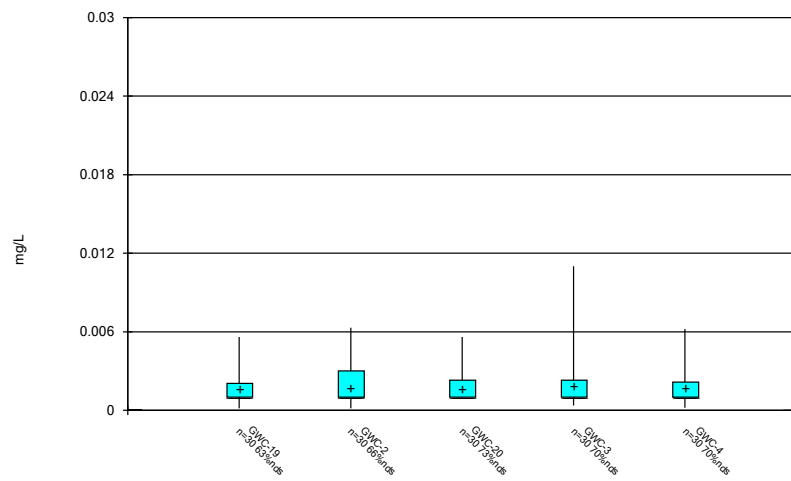
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



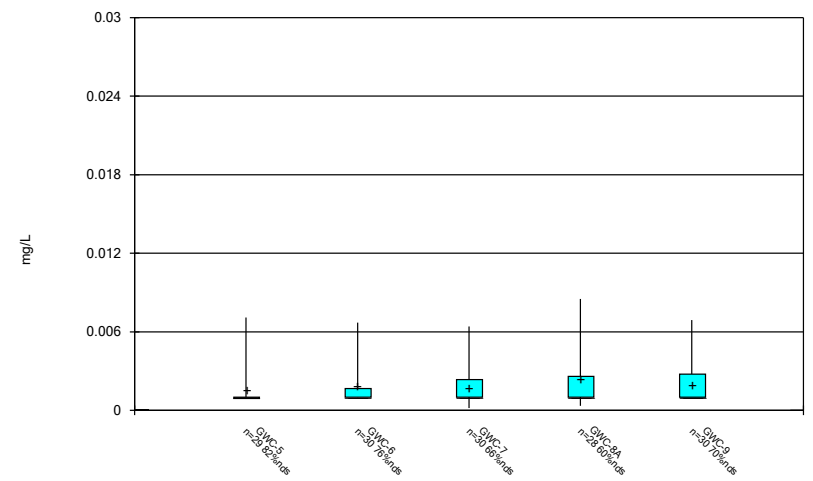
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



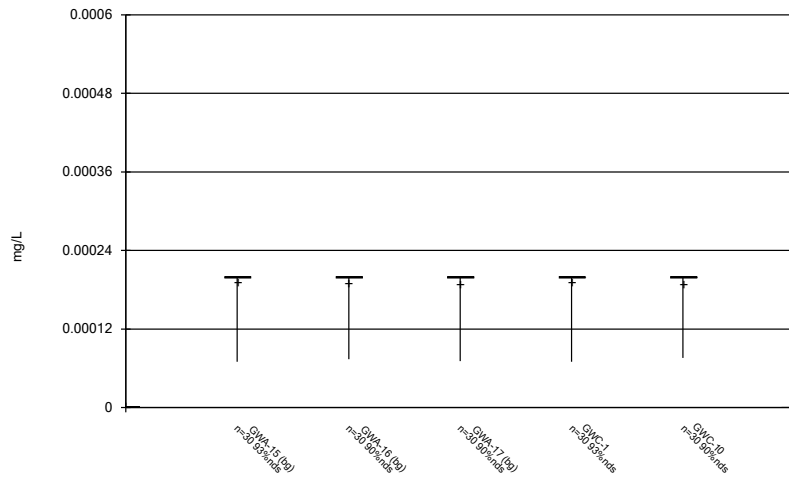
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



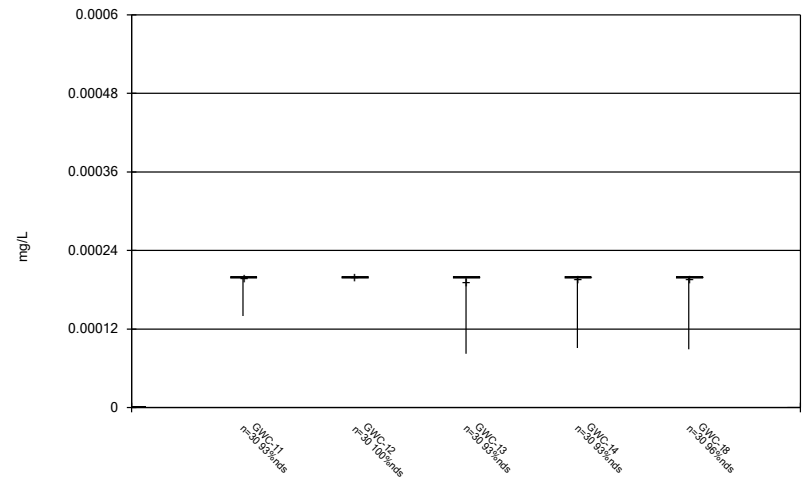
Constituent: Lead, Total Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



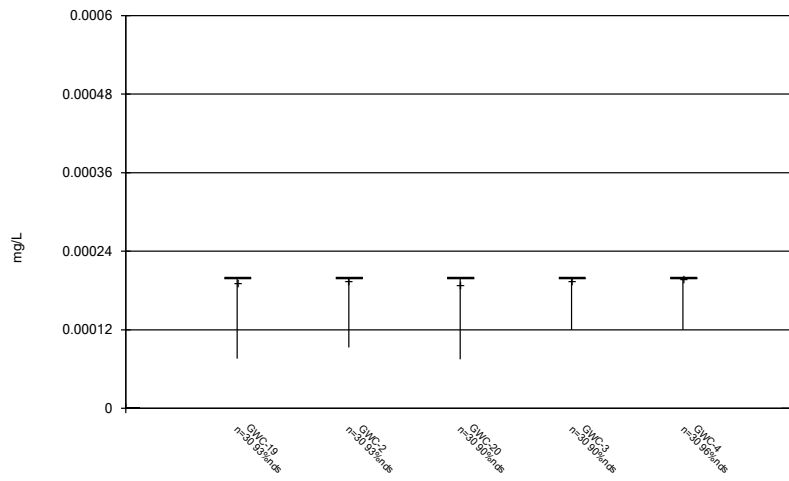
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



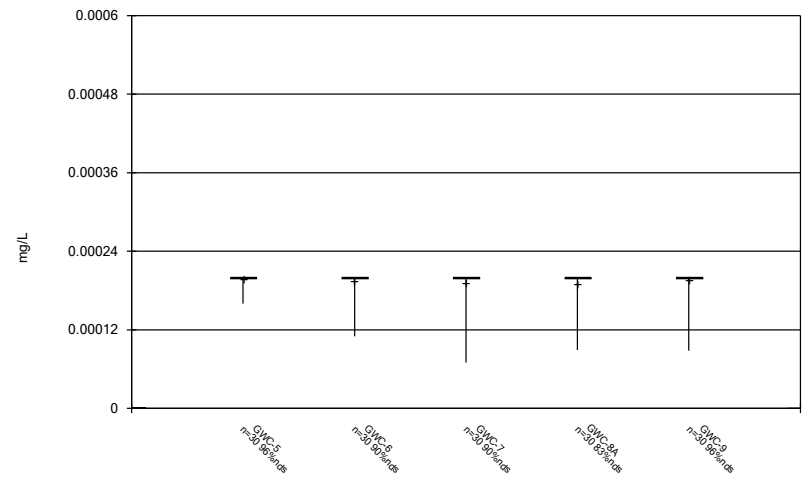
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



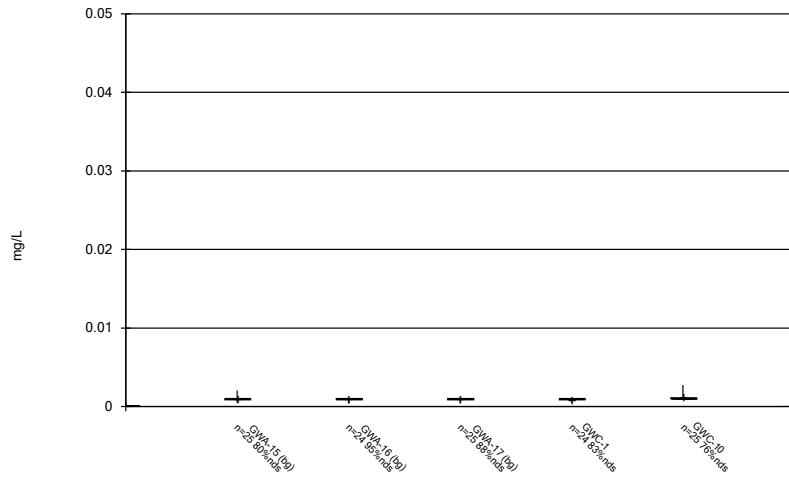
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



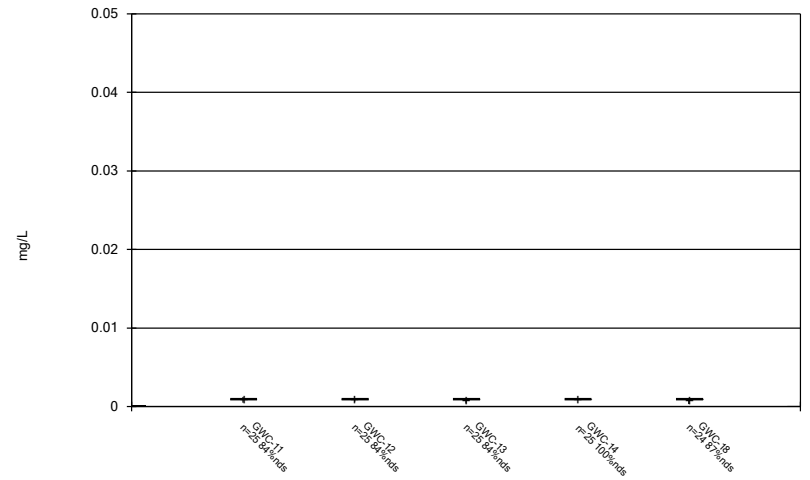
Constituent: Mercury Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



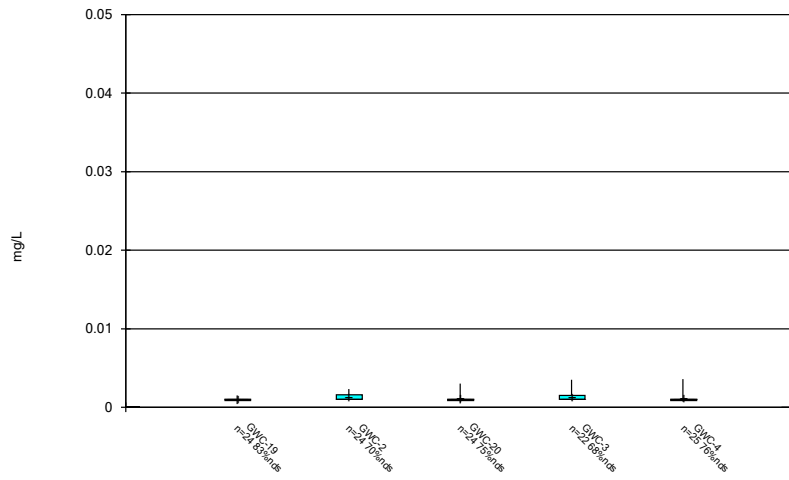
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



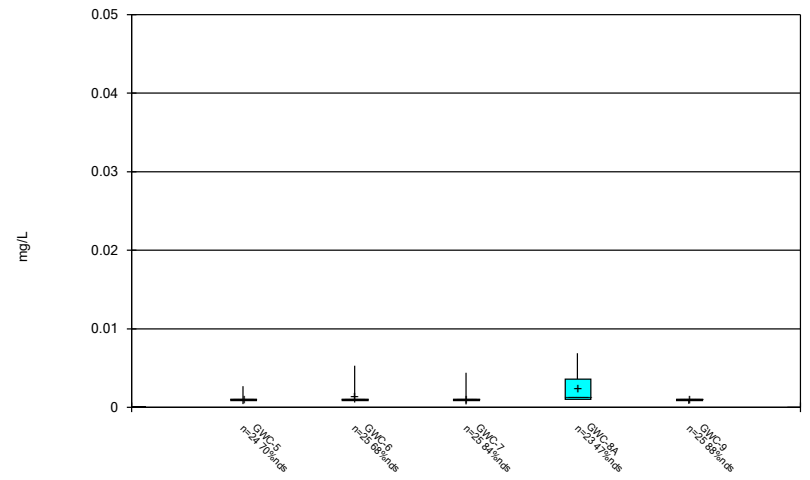
Constituent: Nickel Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



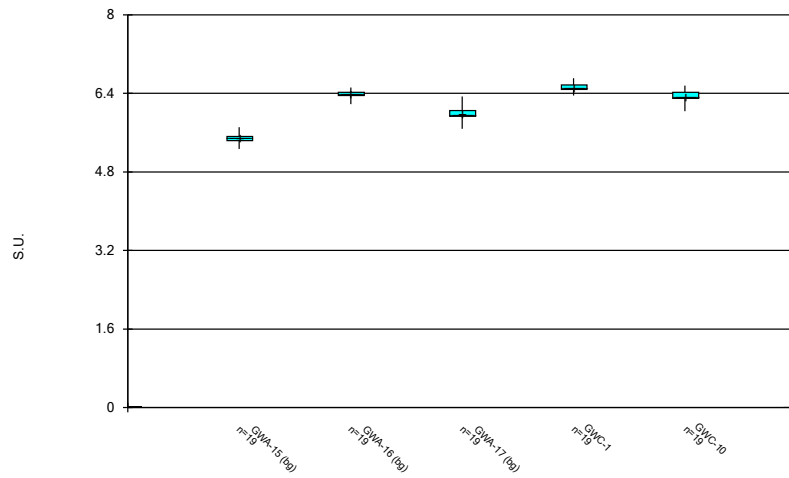
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



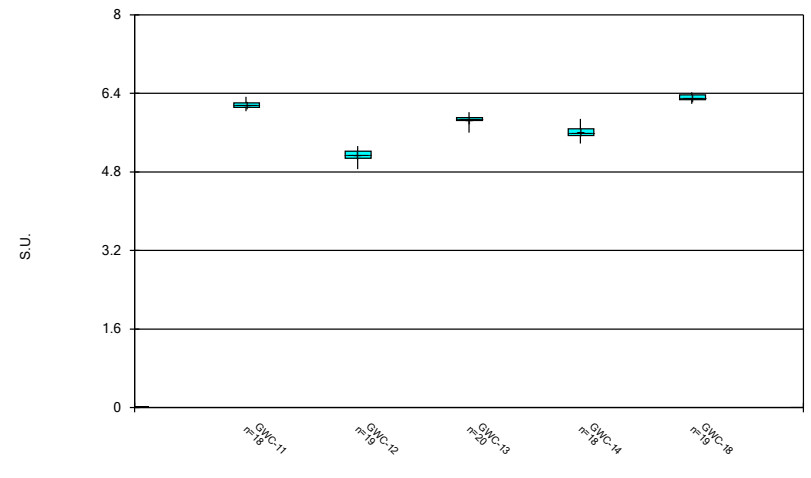
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



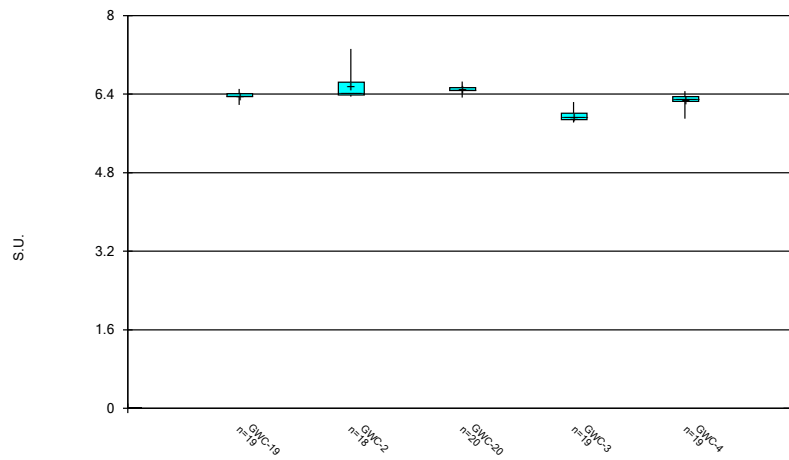
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



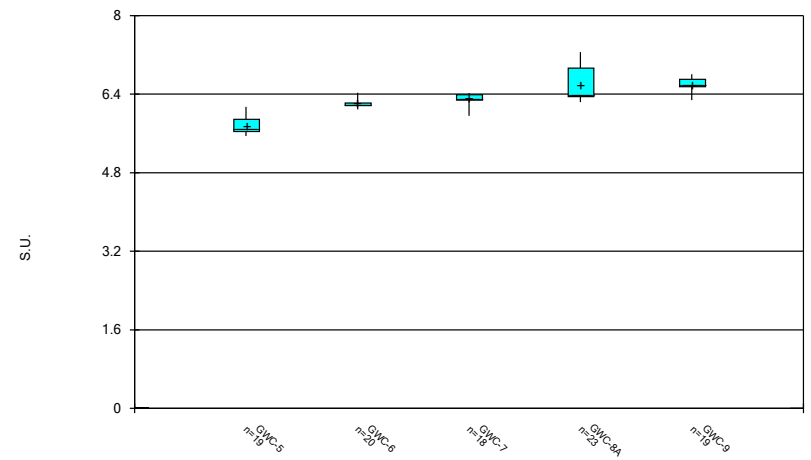
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



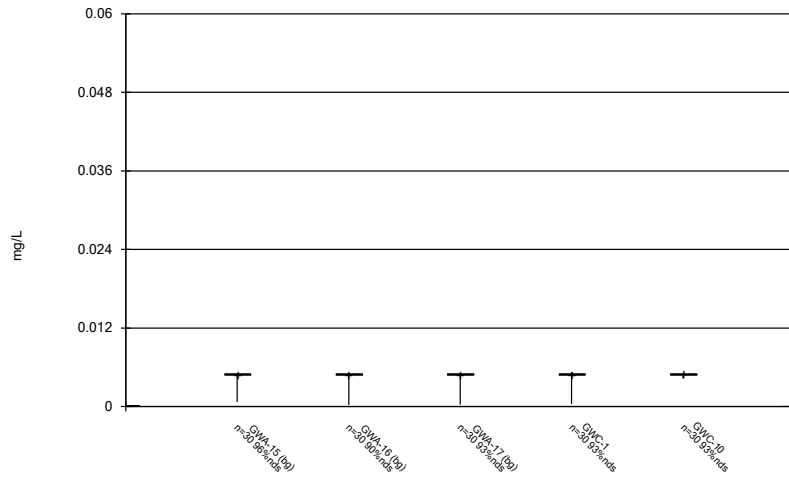
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



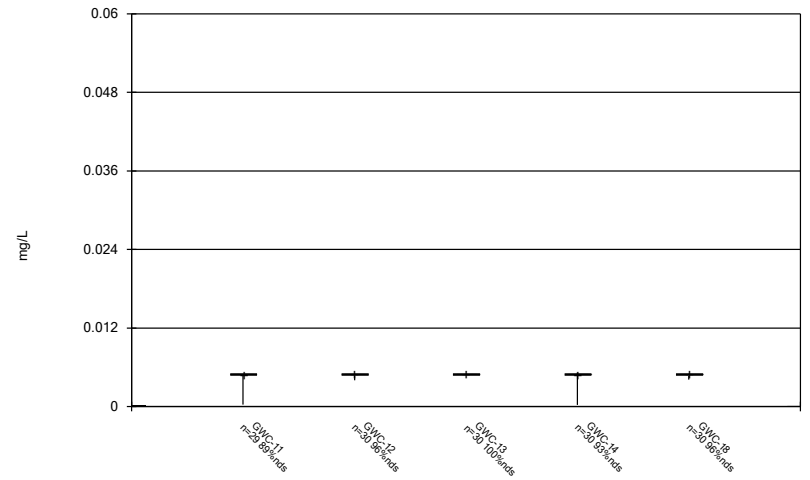
Constituent: pH, Field Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



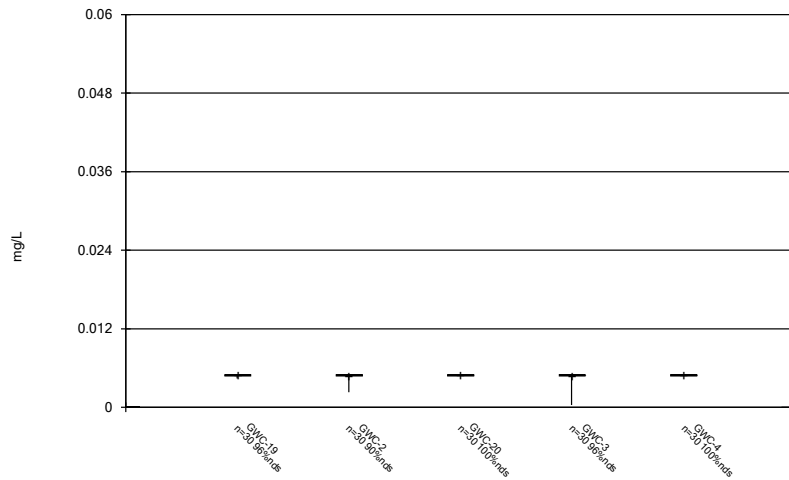
Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



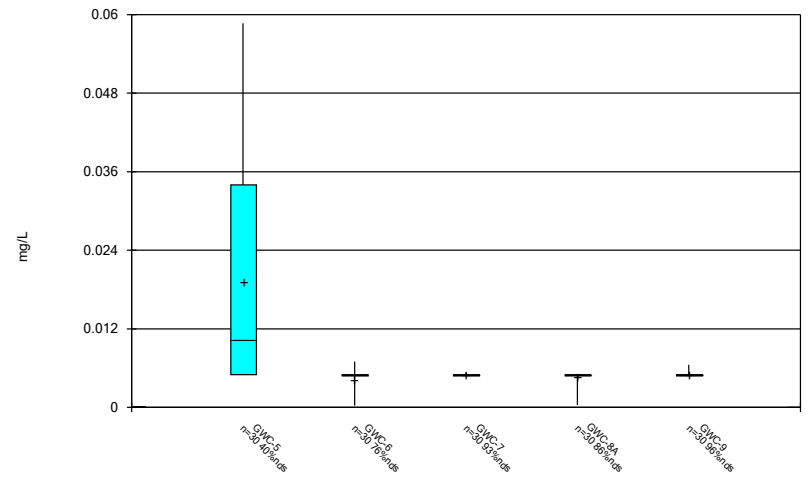
Constituent: Selenium, Total Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



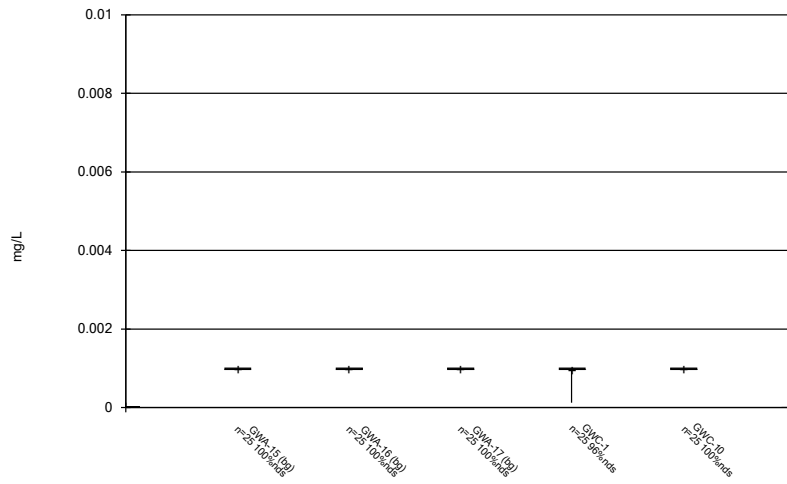
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



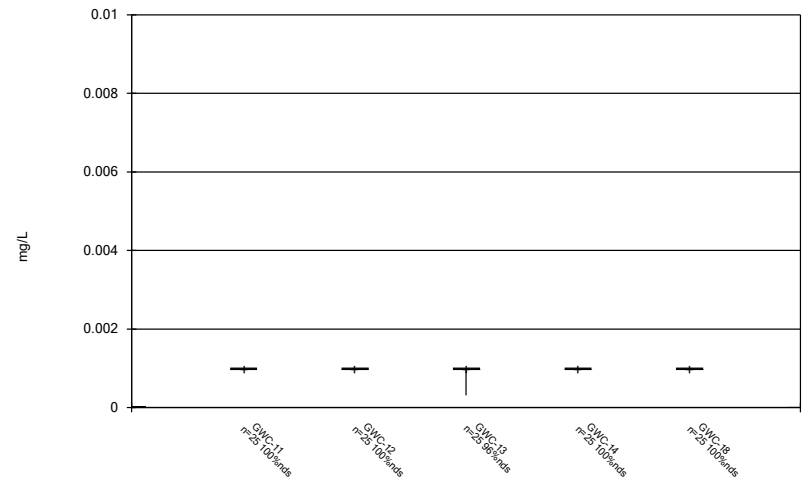
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



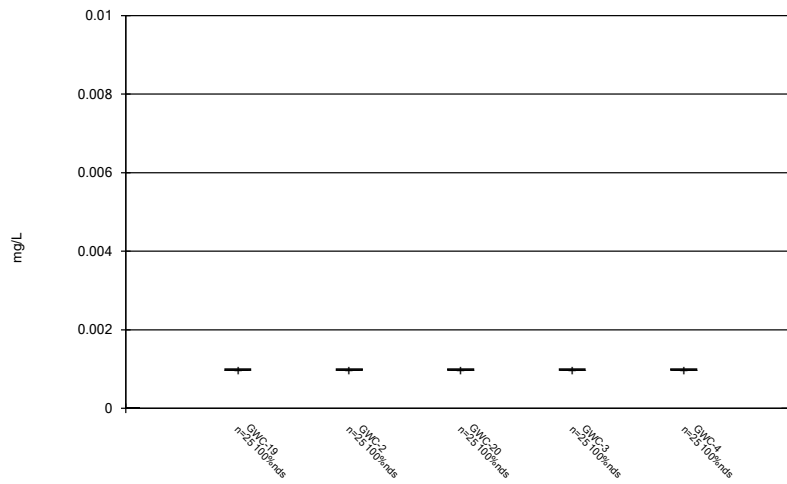
Constituent: Silver Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



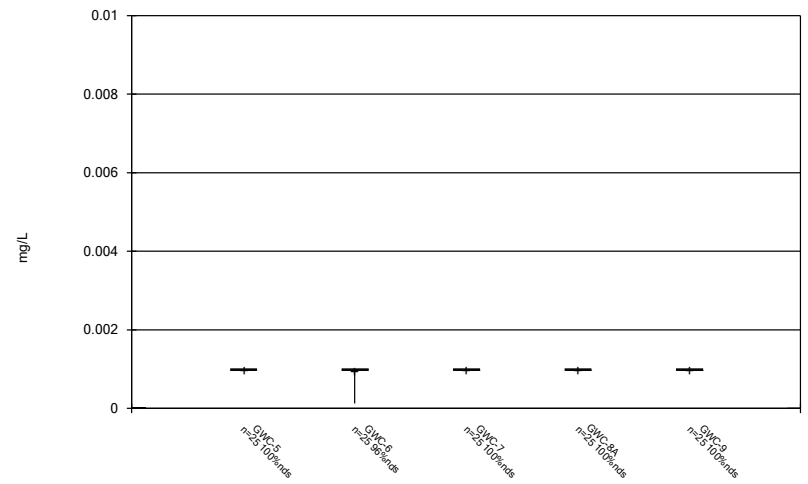
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



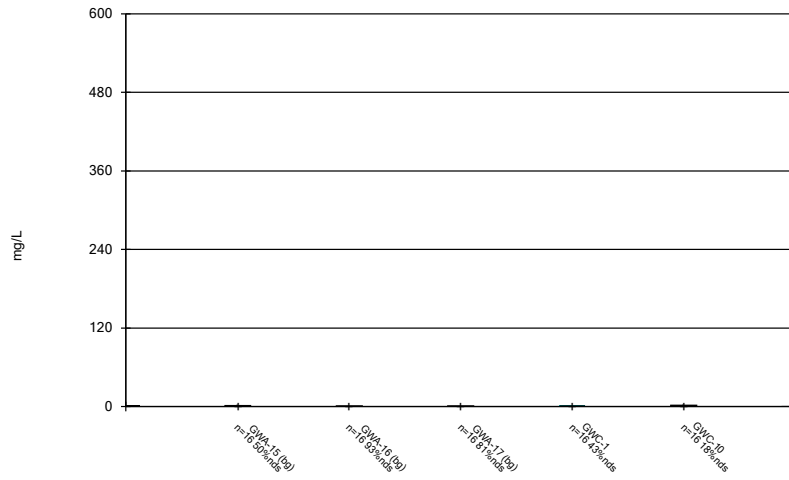
Constituent: Silver Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



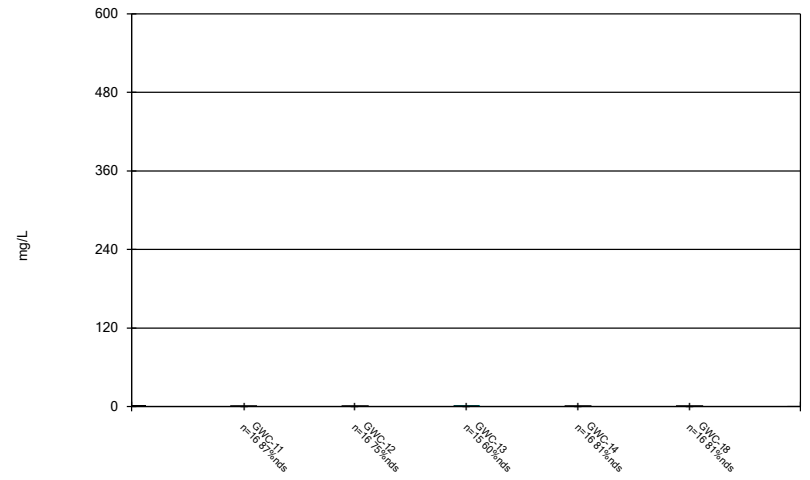
Constituent: Silver Analysis Run 6/24/2021 10:06 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



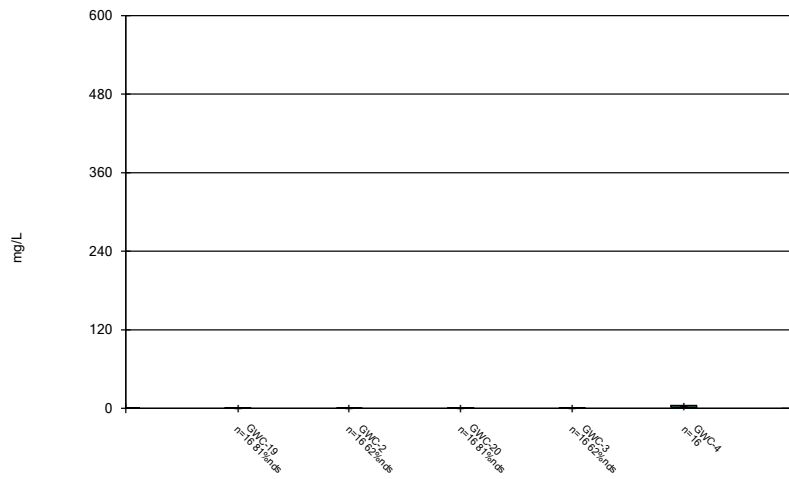
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:06 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



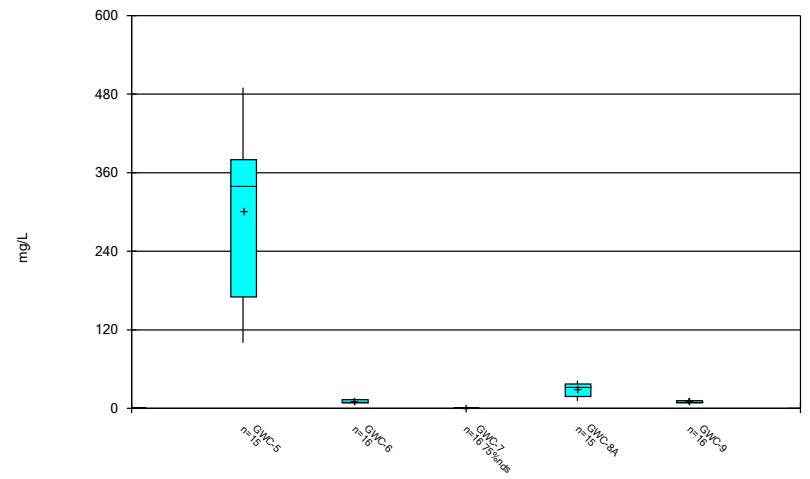
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



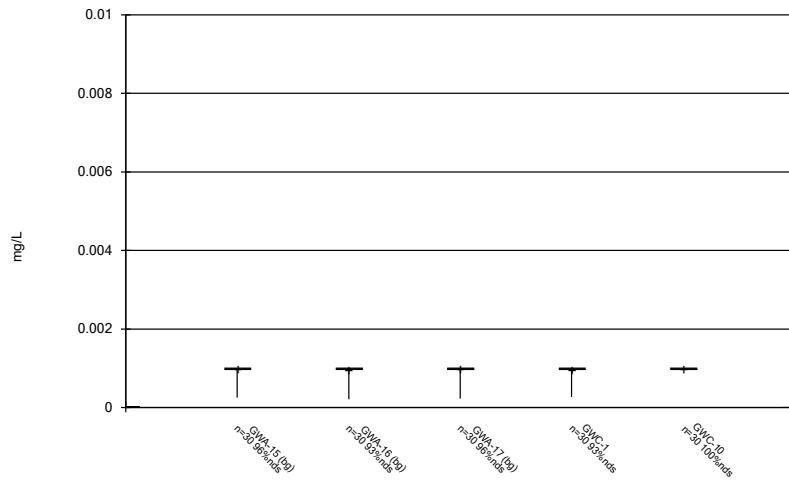
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



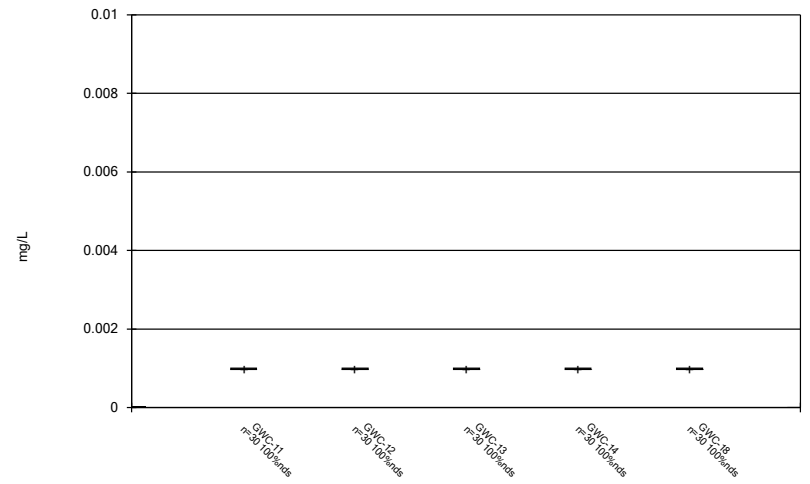
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



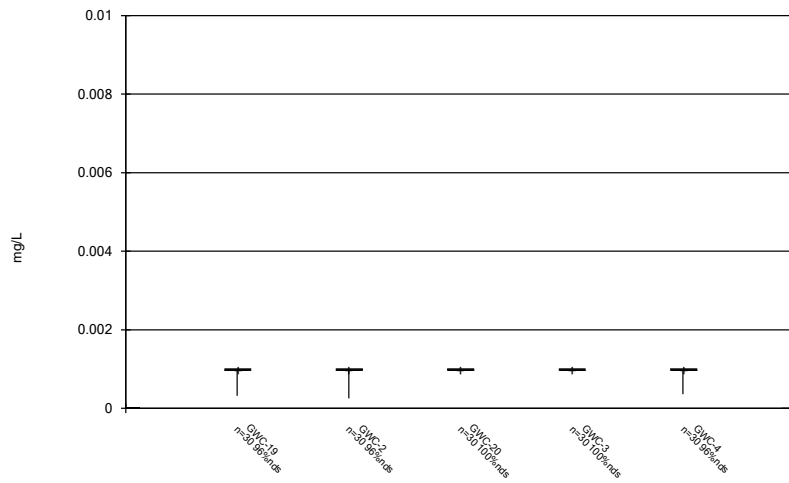
Constituent: Thallium, Total Analysis Run 6/24/2021 10:07 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



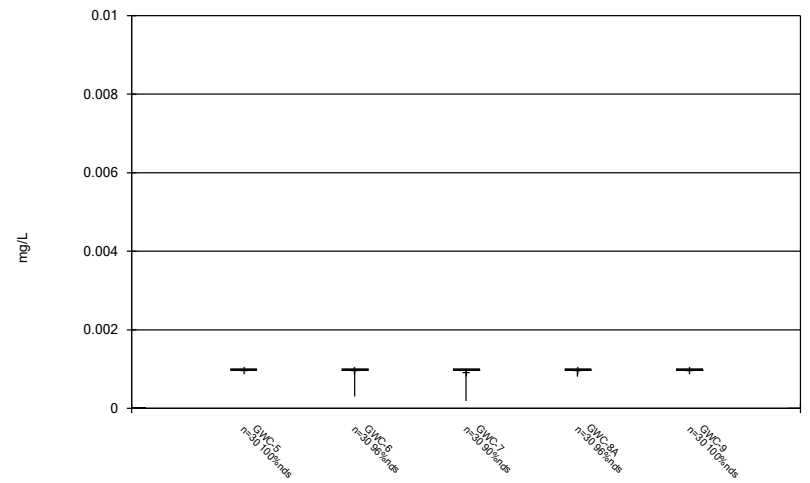
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



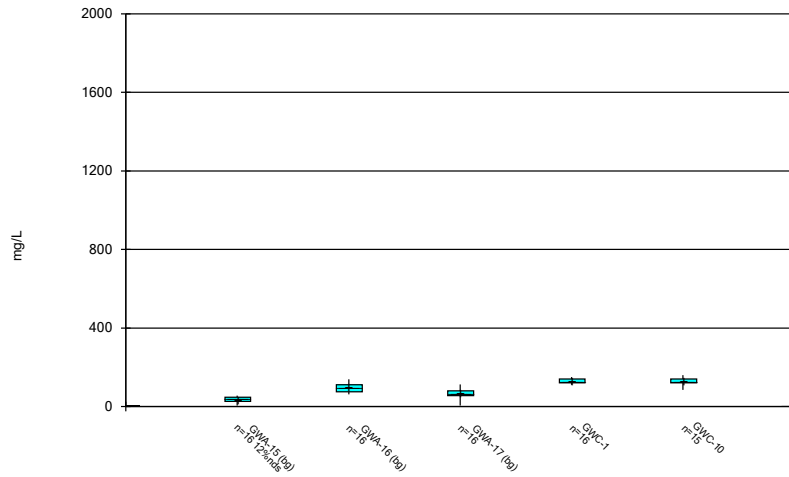
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



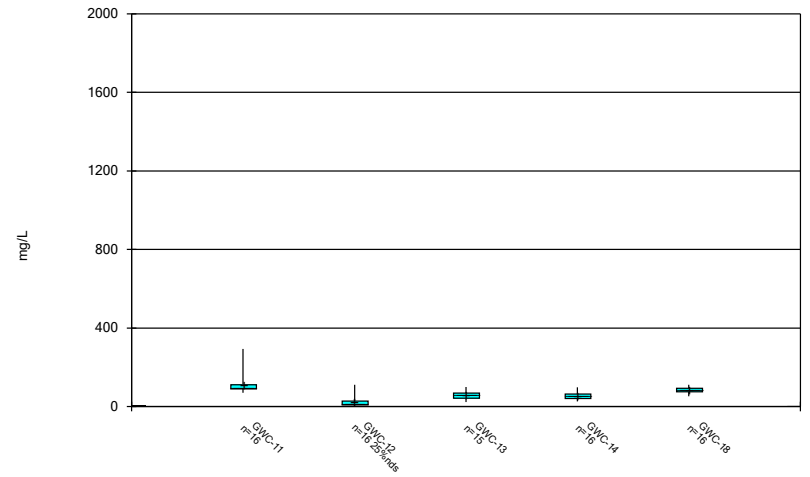
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



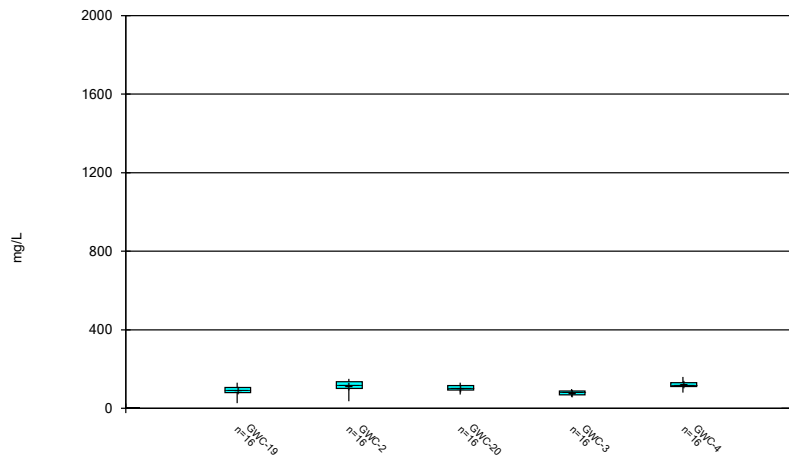
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



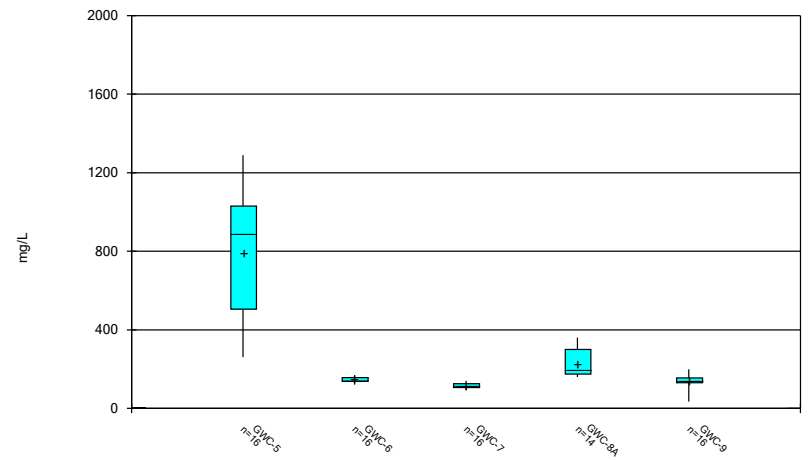
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



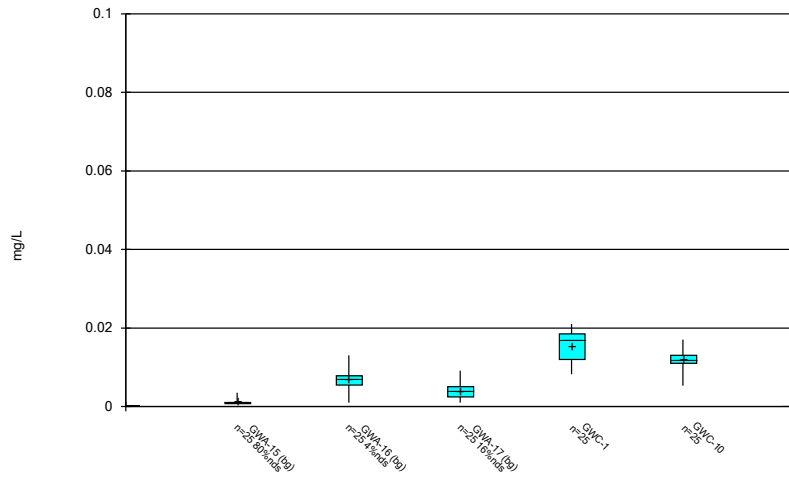
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



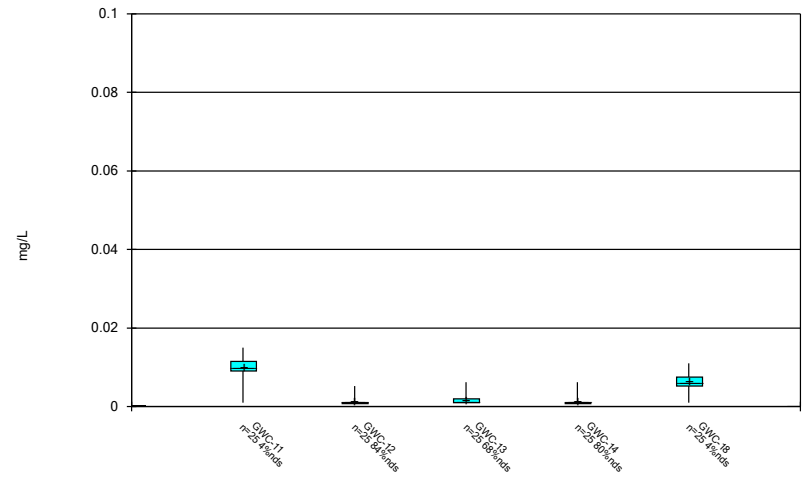
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



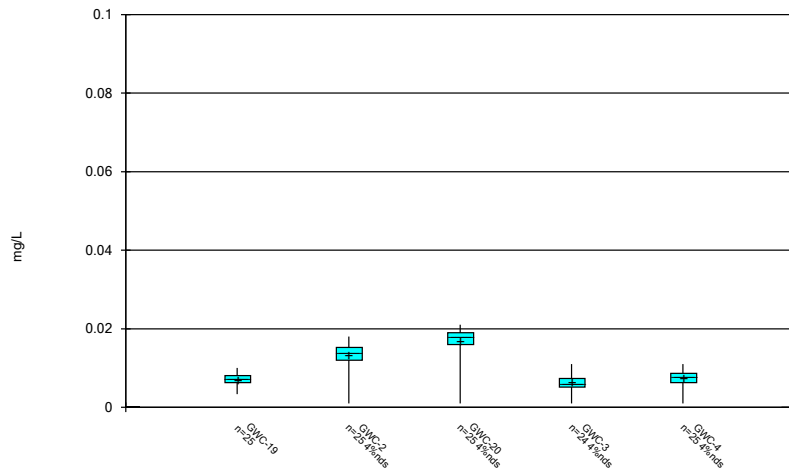
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



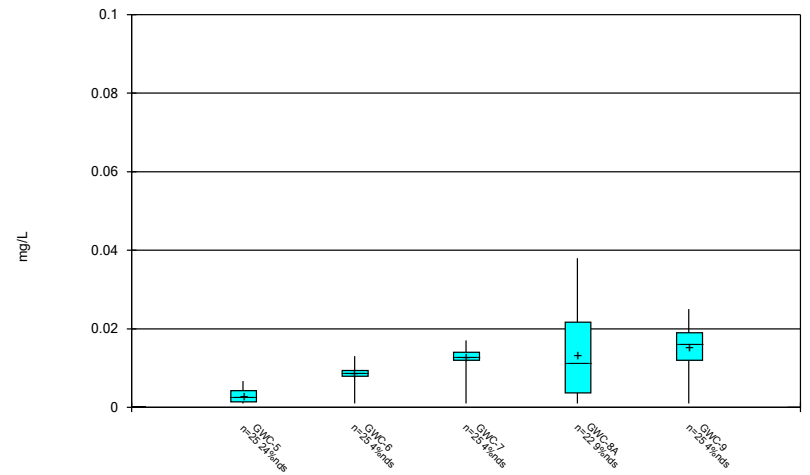
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



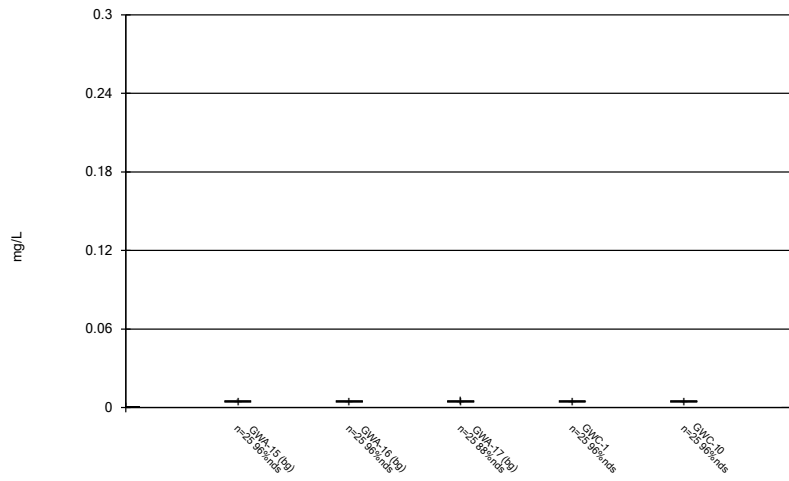
Constituent: Vanadium Analysis Run 6/24/2021 10:07 AM
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



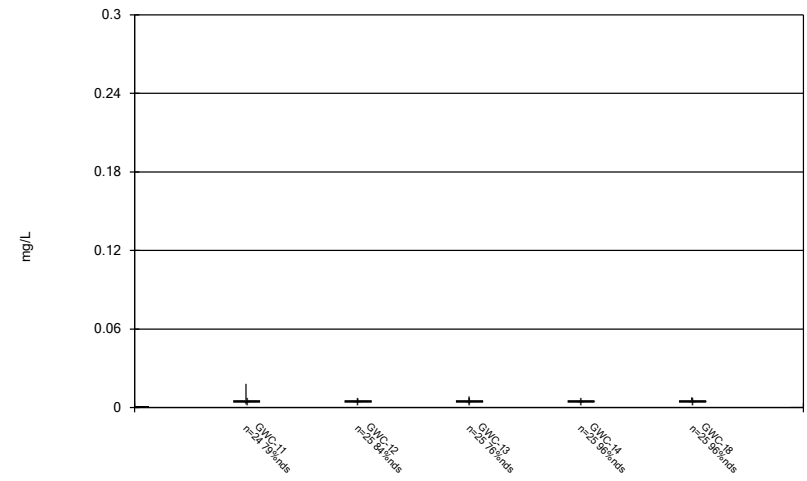
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



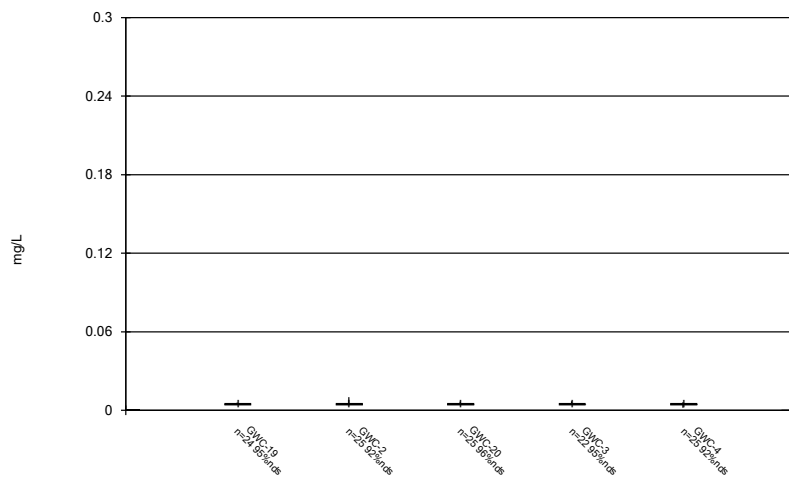
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



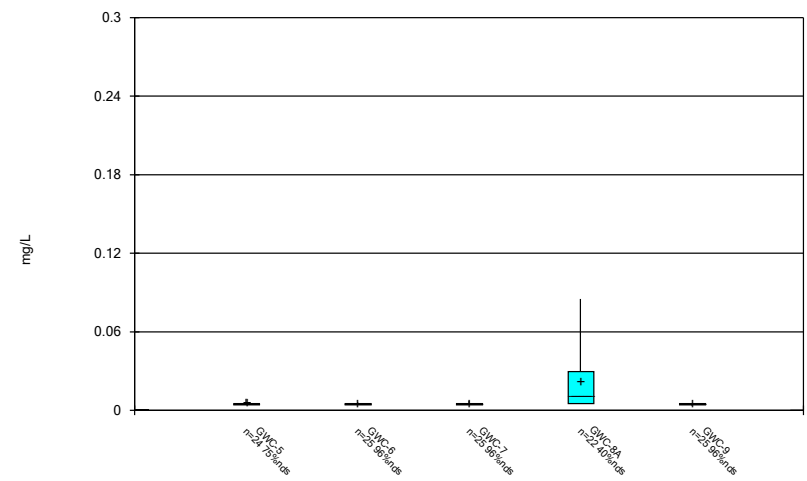
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/24/2021 10:07 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/24/2021 10:07 AM
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE C.

FIGURE D.

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Antimony, Total (mg/L)	GWA-16 (bg)	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-12	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-18	-1.511	No	Mann-W
Antimony, Total (mg/L)	GWC-19	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Antimony, Total (mg/L)	GWC-3	0.3	No	Mann-W
Antimony, Total (mg/L)	GWC-7	0.3	No	Mann-W
Barium, Total (mg/L)	GWA-15 (bg)	1.149	No	Mann-W
Barium, Total (mg/L)	GWA-16 (bg)	0.6704	No	Mann-W
Barium, Total (mg/L)	GWA-17 (bg)	0.6978	No	Mann-W
Barium, Total (mg/L)	GWC-1	0.2552	No	Mann-W
Barium, Total (mg/L)	GWC-10	2.76	Yes	Mann-W
Barium, Total (mg/L)	GWC-11	1.534	No	Mann-W
Barium, Total (mg/L)	GWC-12	2.694	Yes	Mann-W
Barium, Total (mg/L)	GWC-13	2.768	Yes	Mann-W
Barium, Total (mg/L)	GWC-14	1.782	No	Mann-W
Barium, Total (mg/L)	GWC-18	0.1275	No	Mann-W
Barium, Total (mg/L)	GWC-19	2.773	Yes	Mann-W
Barium, Total (mg/L)	GWC-2	1.324	No	Mann-W
Barium, Total (mg/L)	GWC-20	1.373	No	Mann-W
Barium, Total (mg/L)	GWC-3	-2.483	No	Mann-W
Barium, Total (mg/L)	GWC-4	2.096	No	Mann-W
Barium, Total (mg/L)	GWC-5	-0.03167	No	Mann-W
Barium, Total (mg/L)	GWC-6	0.1905	No	Mann-W
Barium, Total (mg/L)	GWC-7	2.318	No	Mann-W
Barium, Total (mg/L)	GWC-8A	-0.4431	No	Mann-W
Barium, Total (mg/L)	GWC-9	-0.5401	No	Mann-W
Beryllium, Total (mg/L)	GWA-17 (bg)	0.3	No	Mann-W
Beryllium, Total (mg/L)	GWC-7	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cadmium, Total (mg/L)	GWC-8A	1.137	No	Mann-W
Chromium, Total (mg/L)	GWA-15 (bg)	1.367	No	Mann-W
Chromium, Total (mg/L)	GWA-16 (bg)	0.6968	No	Mann-W
Chromium, Total (mg/L)	GWA-17 (bg)	1.835	No	Mann-W
Chromium, Total (mg/L)	GWC-1	1.92	No	Mann-W
Chromium, Total (mg/L)	GWC-10	2.766	Yes	Mann-W
Chromium, Total (mg/L)	GWC-11	0.6338	No	Mann-W
Chromium, Total (mg/L)	GWC-12	0	No	Mann-W
Chromium, Total (mg/L)	GWC-13	2.138	No	Mann-W
Chromium, Total (mg/L)	GWC-14	1.435	No	Mann-W
Chromium, Total (mg/L)	GWC-18	0.06618	No	Mann-W
Chromium, Total (mg/L)	GWC-19	1.899	No	Mann-W
Chromium, Total (mg/L)	GWC-2	1.027	No	Mann-W
Chromium, Total (mg/L)	GWC-20	1.014	No	Mann-W
Chromium, Total (mg/L)	GWC-3	-2.597	Yes	Mann-W
Chromium, Total (mg/L)	GWC-4	0.2849	No	Mann-W
Chromium, Total (mg/L)	GWC-5	1.677	No	Mann-W
Chromium, Total (mg/L)	GWC-6	0.6332	No	Mann-W
Chromium, Total (mg/L)	GWC-7	1.046	No	Mann-W
Chromium, Total (mg/L)	GWC-8A	-1.761	No	Mann-W
Chromium, Total (mg/L)	GWC-9	0.1898	No	Mann-W
Cobalt, Total (mg/L)	GWA-15 (bg)	-1.142	No	Mann-W
Cobalt, Total (mg/L)	GWA-16 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-17 (bg)	-2.691	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Cobalt, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-11	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-12	0.6425	No	Mann-W
Cobalt, Total (mg/L)	GWC-18	-4.462	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-19	-3.67	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-20	-3.362	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-3	-3.048	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-4	-3.17	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-5	-2.6	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-6	-1.511	No	Mann-W
Cobalt, Total (mg/L)	GWC-7	-3.639	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-8A	0.6837	No	Mann-W
Cobalt, Total (mg/L)	GWC-9	-3.67	Yes	Mann-W
Copper (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWA-17 (bg)	-2.348	No	Mann-W
Copper (mg/L)	GWC-11	-1.938	No	Mann-W
Copper (mg/L)	GWC-13	-0.559	No	Mann-W
Copper (mg/L)	GWC-14	-0.559	No	Mann-W
Copper (mg/L)	GWC-18	-2.685	Yes	Mann-W
Copper (mg/L)	GWC-20	-0.5164	No	Mann-W
Copper (mg/L)	GWC-3	-2.528	No	Mann-W
Copper (mg/L)	GWC-4	-1.159	No	Mann-W
Copper (mg/L)	GWC-6	-1.789	No	Mann-W
Copper (mg/L)	GWC-7	-0.5777	No	Mann-W
Copper (mg/L)	GWC-8A	-2.565	No	Mann-W
Copper (mg/L)	GWC-9	-0.7268	No	Mann-W
Lead, Total (mg/L)	GWA-16 (bg)	-1.976	No	Mann-W
Lead, Total (mg/L)	GWA-17 (bg)	-1.853	No	Mann-W
Lead, Total (mg/L)	GWC-1	-1.753	No	Mann-W
Lead, Total (mg/L)	GWC-10	-1.427	No	Mann-W
Lead, Total (mg/L)	GWC-11	0.27	No	Mann-W
Lead, Total (mg/L)	GWC-13	-0.299	No	Mann-W
Lead, Total (mg/L)	GWC-14	-0.6477	No	Mann-W
Lead, Total (mg/L)	GWC-18	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-19	-1.231	No	Mann-W
Lead, Total (mg/L)	GWC-2	-1.978	No	Mann-W
Lead, Total (mg/L)	GWC-20	-1.325	No	Mann-W
Lead, Total (mg/L)	GWC-3	-1.118	No	Mann-W
Lead, Total (mg/L)	GWC-4	-1.928	No	Mann-W
Lead, Total (mg/L)	GWC-5	-1.032	No	Mann-W
Lead, Total (mg/L)	GWC-6	-1.222	No	Mann-W
Lead, Total (mg/L)	GWC-7	-1.977	No	Mann-W
Lead, Total (mg/L)	GWC-8A	-1.3	No	Mann-W
Lead, Total (mg/L)	GWC-9	-1.427	No	Mann-W
Mercury (mg/L)	GWA-15 (bg)	0.5037	No	Mann-W
Mercury (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWA-17 (bg)	0.6579	No	Mann-W
Mercury (mg/L)	GWC-1	0.5037	No	Mann-W
Mercury (mg/L)	GWC-10	0.6579	No	Mann-W
Mercury (mg/L)	GWC-11	0.5037	No	Mann-W
Mercury (mg/L)	GWC-13	0.5037	No	Mann-W
Mercury (mg/L)	GWC-14	0.5037	No	Mann-W
Mercury (mg/L)	GWC-18	0.3	No	Mann-W
Mercury (mg/L)	GWC-19	0.5037	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 1:58 PM

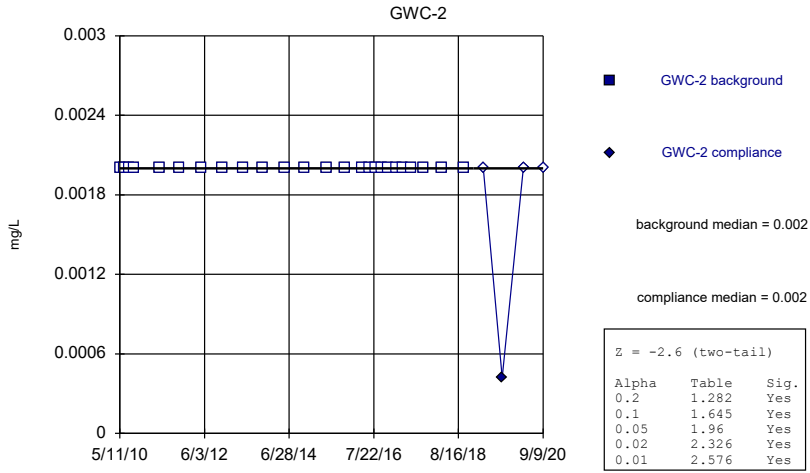
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Mercury (mg/L)	GWC-2	0.5037	No	Mann-W
Mercury (mg/L)	GWC-20	0.6579	No	Mann-W
Mercury (mg/L)	GWC-3	0.6582	No	Mann-W
Mercury (mg/L)	GWC-4	0.3	No	Mann-W
Mercury (mg/L)	GWC-5	0.3	No	Mann-W
Mercury (mg/L)	GWC-6	0.6579	No	Mann-W
Mercury (mg/L)	GWC-7	-1.077	No	Mann-W
Mercury (mg/L)	GWC-8A	0.9126	No	Mann-W
Mercury (mg/L)	GWC-9	0.3	No	Mann-W
Nickel (mg/L)	GWA-15 (bg)	-3.698	Yes	Mann-W
Nickel (mg/L)	GWA-16 (bg)	-2.294	No	Mann-W
Nickel (mg/L)	GWA-17 (bg)	-0.08076	No	Mann-W
Nickel (mg/L)	GWC-1	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-10	-1.364	No	Mann-W
Nickel (mg/L)	GWC-11	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-12	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-13	-4.11	Yes	Mann-W
Nickel (mg/L)	GWC-18	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-19	-4.017	Yes	Mann-W
Nickel (mg/L)	GWC-2	-1.313	No	Mann-W
Nickel (mg/L)	GWC-20	-3.372	Yes	Mann-W
Nickel (mg/L)	GWC-3	-3.087	Yes	Mann-W
Nickel (mg/L)	GWC-4	-2.236	No	Mann-W
Nickel (mg/L)	GWC-5	-3.202	Yes	Mann-W
Nickel (mg/L)	GWC-6	-3.134	Yes	Mann-W
Nickel (mg/L)	GWC-7	-2.897	Yes	Mann-W
Nickel (mg/L)	GWC-8A	-0.09099	No	Mann-W
Nickel (mg/L)	GWC-9	-3.311	Yes	Mann-W
Selenium, Total (mg/L)	GWA-15 (bg)	0.3	No	Mann-W
Selenium, Total (mg/L)	GWA-16 (bg)	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWA-17 (bg)	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-1	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-10	0.5037	No	Mann-W
Selenium, Total (mg/L)	GWC-11	0.1383	No	Mann-W
Selenium, Total (mg/L)	GWC-12	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-14	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-18	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-19	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-2	0.6579	No	Mann-W
Selenium, Total (mg/L)	GWC-3	0.3	No	Mann-W
Selenium, Total (mg/L)	GWC-5	-1.542	No	Mann-W
Selenium, Total (mg/L)	GWC-6	0.8002	No	Mann-W
Selenium, Total (mg/L)	GWC-7	-0.07196	No	Mann-W
Selenium, Total (mg/L)	GWC-8A	0.791	No	Mann-W
Selenium, Total (mg/L)	GWC-9	-0.5	No	Mann-W
Thallium, Total (mg/L)	GWA-15 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWA-16 (bg)	-1.655	No	Mann-W
Thallium, Total (mg/L)	GWA-17 (bg)	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-1	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-2	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-4	-2.6	Yes	Mann-W
Thallium, Total (mg/L)	GWC-7	-1.196	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.254	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.201	No	Mann-W
Vanadium (mg/L)	GWA-17 (bg)	1.359	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

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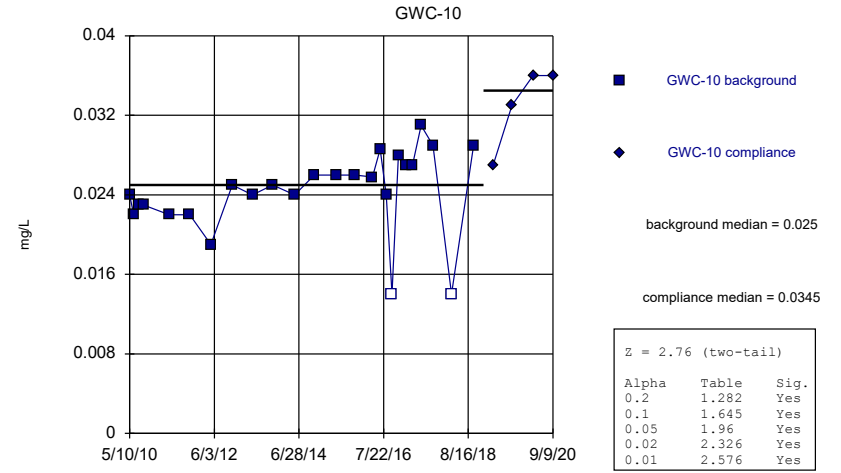
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Vanadium (mg/L)	GWC-1	1.341	No	Mann-W
Vanadium (mg/L)	GWC-10	1.415	No	Mann-W
Vanadium (mg/L)	GWC-11	1.869	No	Mann-W
Vanadium (mg/L)	GWC-12	1.691	No	Mann-W
Vanadium (mg/L)	GWC-13	-0.04822	No	Mann-W
Vanadium (mg/L)	GWC-14	2.087	No	Mann-W
Vanadium (mg/L)	GWC-18	2.335	No	Mann-W
Vanadium (mg/L)	GWC-19	1.666	No	Mann-W
Vanadium (mg/L)	GWC-2	2.19	No	Mann-W
Vanadium (mg/L)	GWC-20	1.212	No	Mann-W
Vanadium (mg/L)	GWC-3	0.7305	No	Mann-W
Vanadium (mg/L)	GWC-4	0.3489	No	Mann-W
Vanadium (mg/L)	GWC-5	-1.173	No	Mann-W
Vanadium (mg/L)	GWC-6	2.522	No	Mann-W
Vanadium (mg/L)	GWC-7	1.618	No	Mann-W
Vanadium (mg/L)	GWC-8A	-2.778	Yes	Mann-W
Vanadium (mg/L)	GWC-9	1.32	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	2.124	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	-2.348	No	Mann-W
Zinc (mg/L)	GWA-17 (bg)	1.28	No	Mann-W
Zinc (mg/L)	GWC-1	-2.348	No	Mann-W
Zinc (mg/L)	GWC-10	-2.348	No	Mann-W
Zinc (mg/L)	GWC-11	2.271	No	Mann-W
Zinc (mg/L)	GWC-12	-3.34	Yes	Mann-W
Zinc (mg/L)	GWC-13	-0.9271	No	Mann-W
Zinc (mg/L)	GWC-14	-2.348	No	Mann-W
Zinc (mg/L)	GWC-18	2.124	No	Mann-W
Zinc (mg/L)	GWC-19	2.065	No	Mann-W
Zinc (mg/L)	GWC-2	-2.348	No	Mann-W
Zinc (mg/L)	GWC-20	2.124	No	Mann-W
Zinc (mg/L)	GWC-3	1.94	No	Mann-W
Zinc (mg/L)	GWC-4	1.777	No	Mann-W
Zinc (mg/L)	GWC-5	-0.8924	No	Mann-W
Zinc (mg/L)	GWC-6	2.124	No	Mann-W
Zinc (mg/L)	GWC-7	2.124	No	Mann-W
Zinc (mg/L)	GWC-8A	-2.026	No	Mann-W
Zinc (mg/L)	GWC-9	-2.348	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



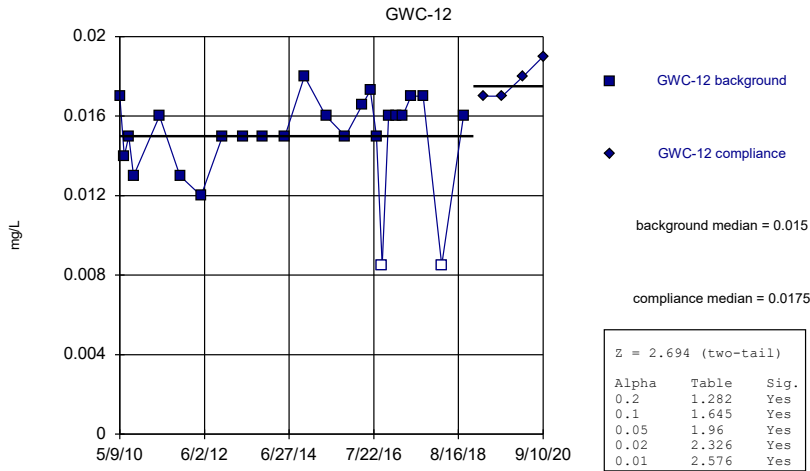
Constituent: Antimony, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



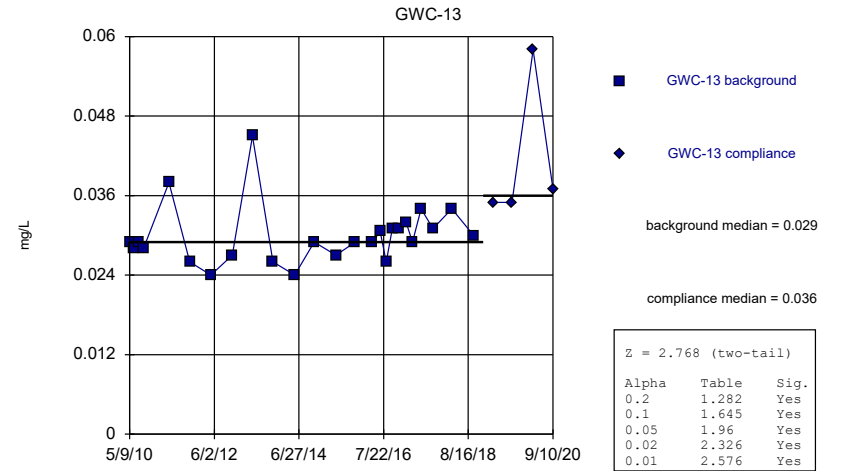
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



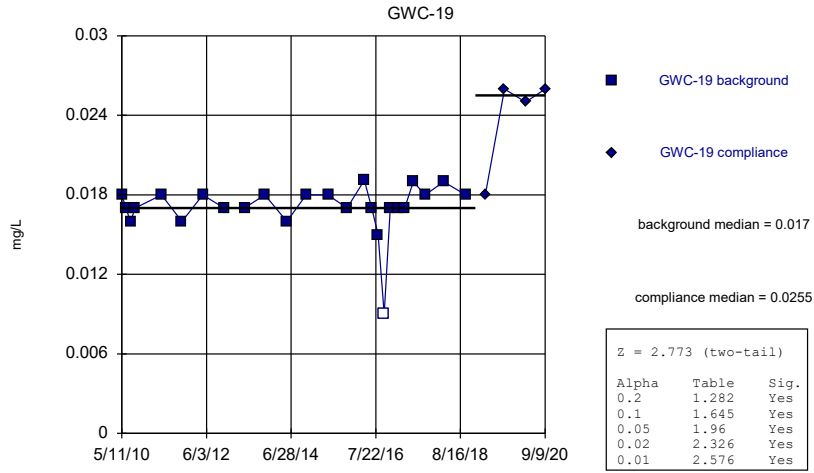
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



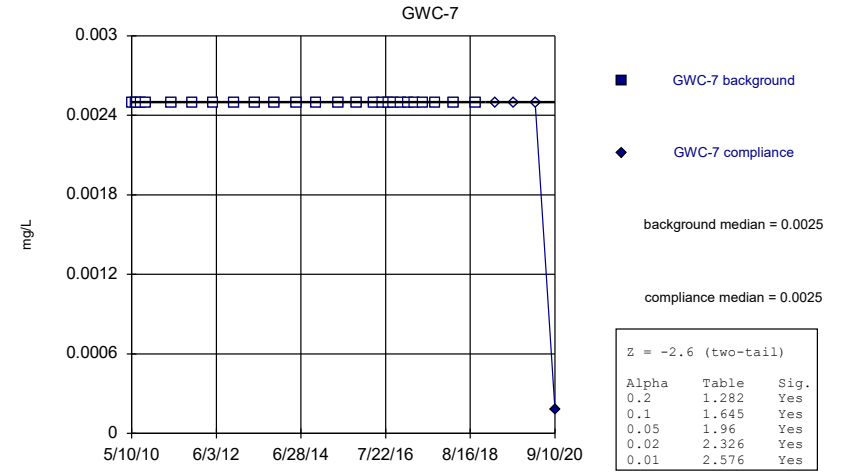
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



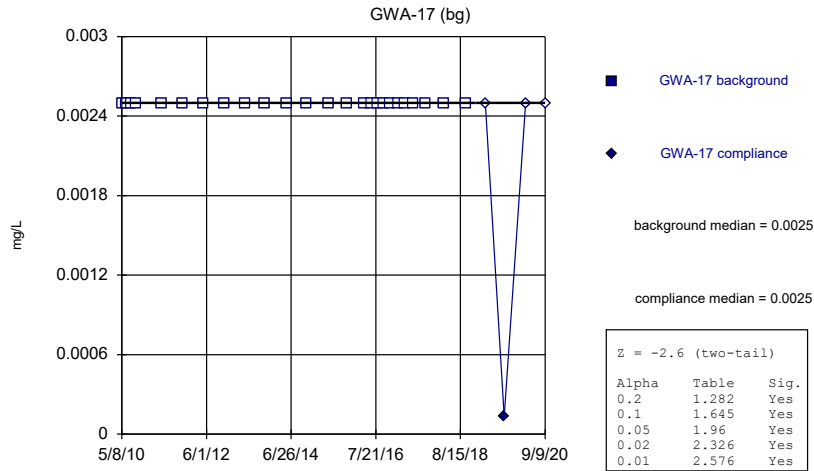
Constituent: Barium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



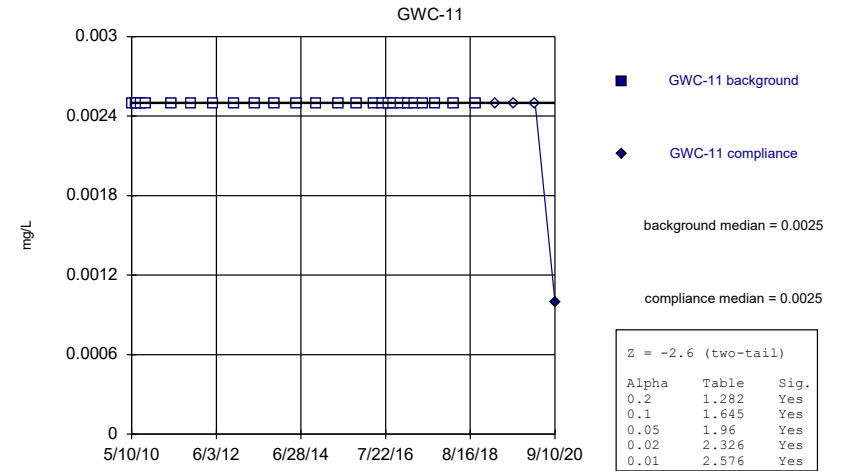
Constituent: Beryllium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



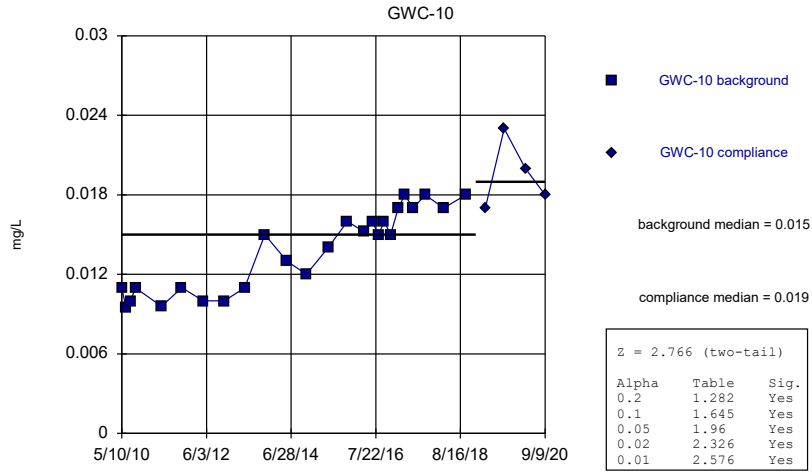
Constituent: Cadmium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



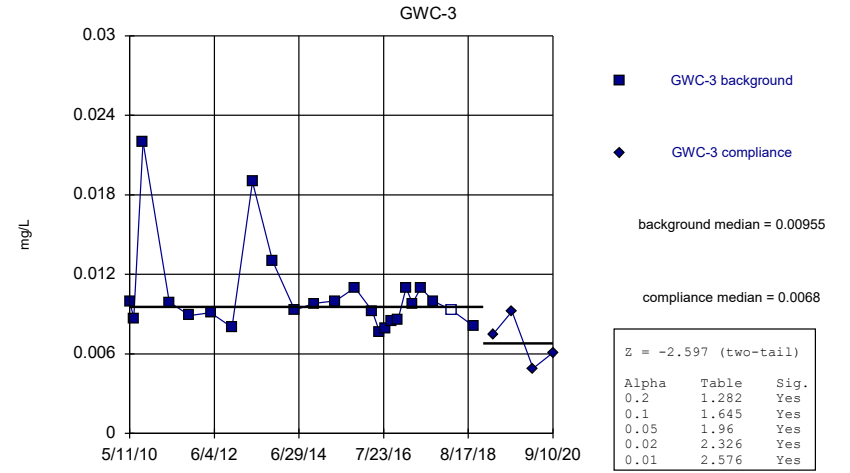
Constituent: Cadmium, Total Analysis Run 6/16/2021 1:54 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



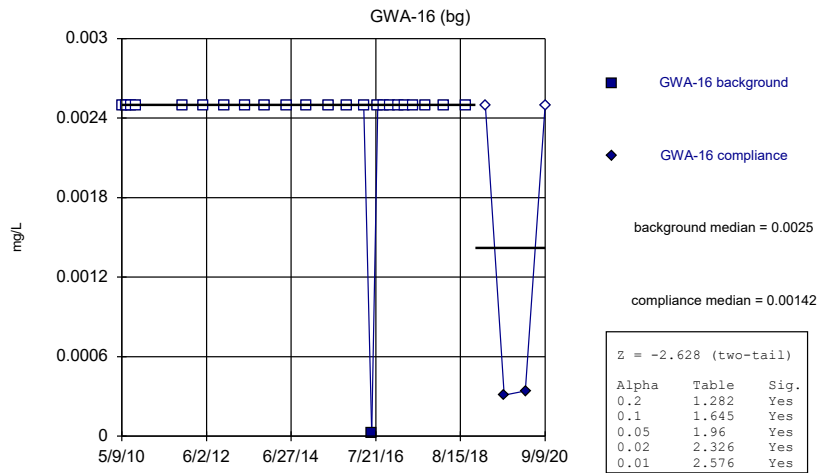
Constituent: Chromium, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



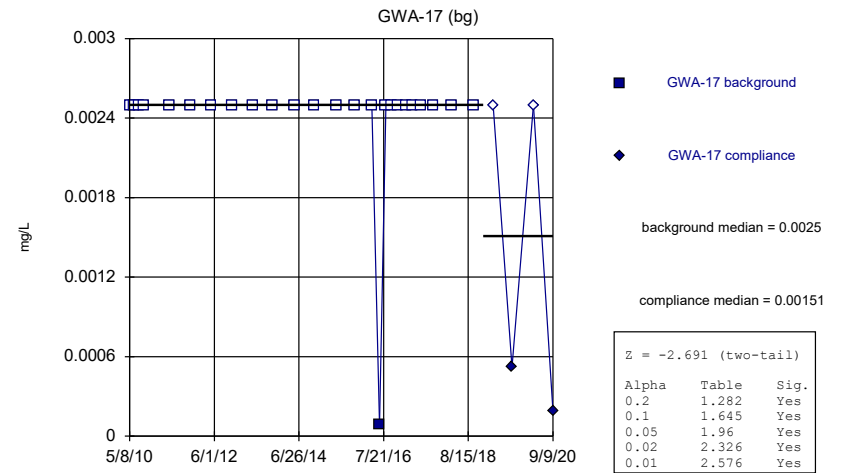
Constituent: Chromium, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



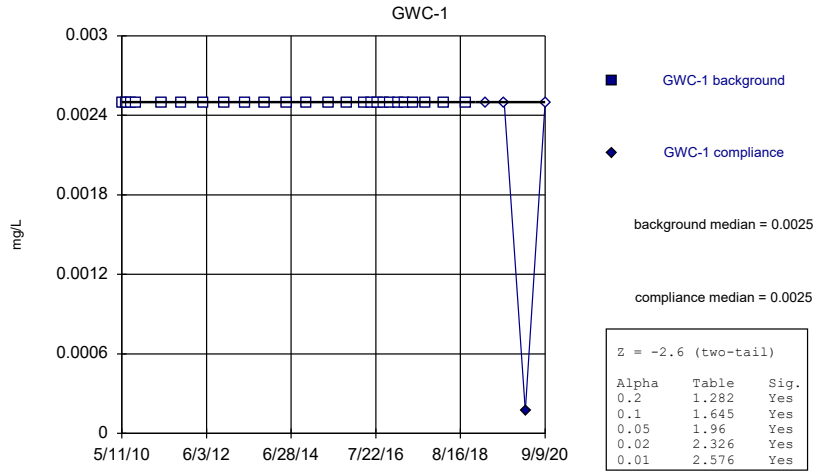
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



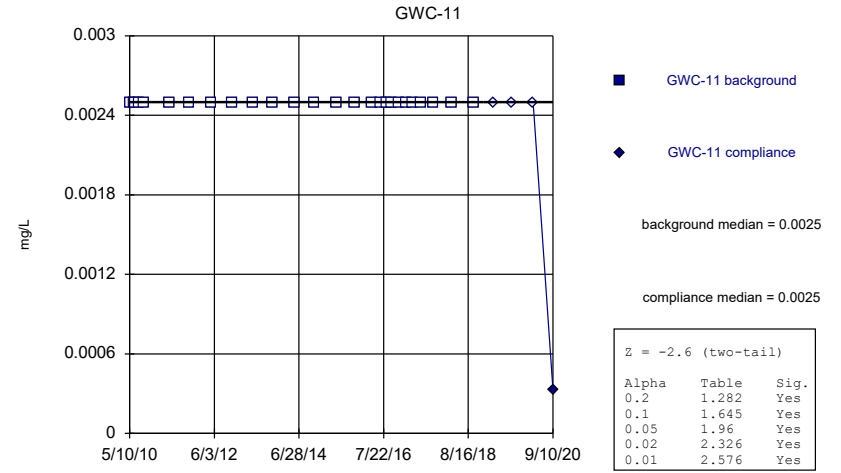
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



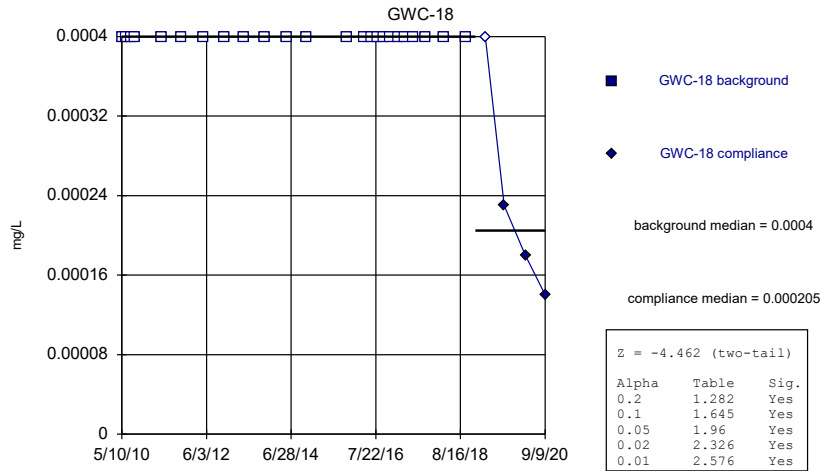
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



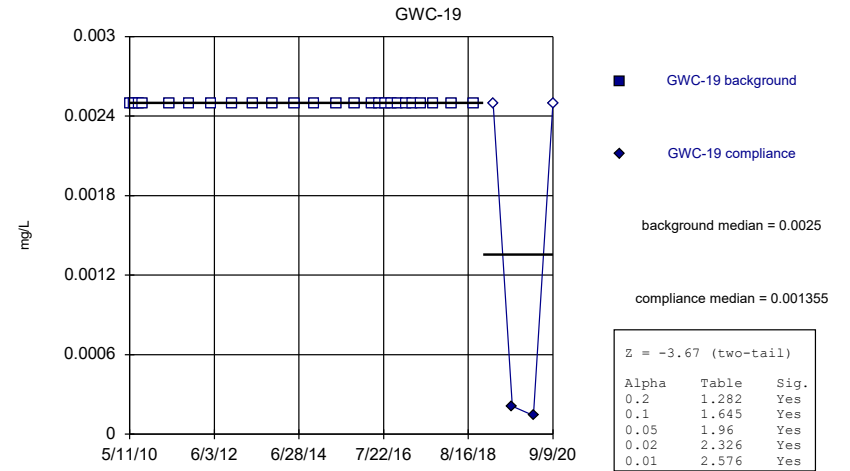
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



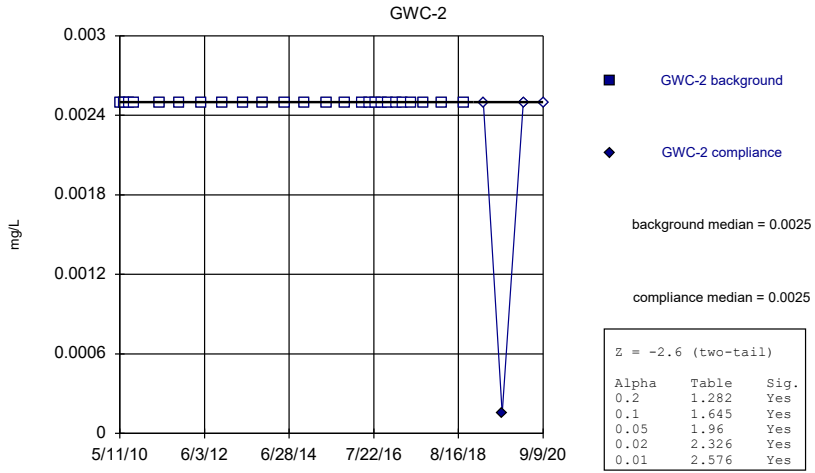
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



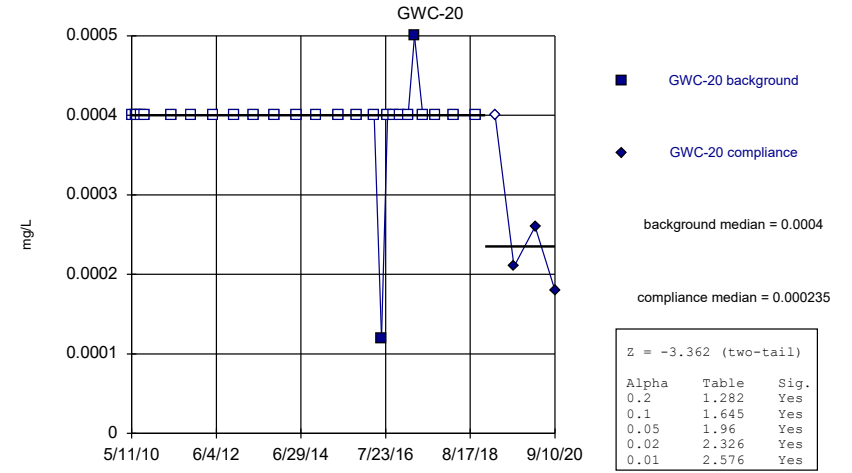
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



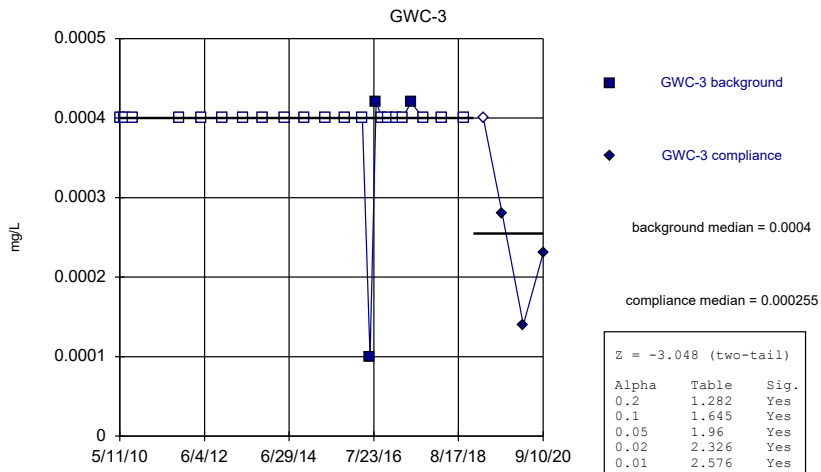
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



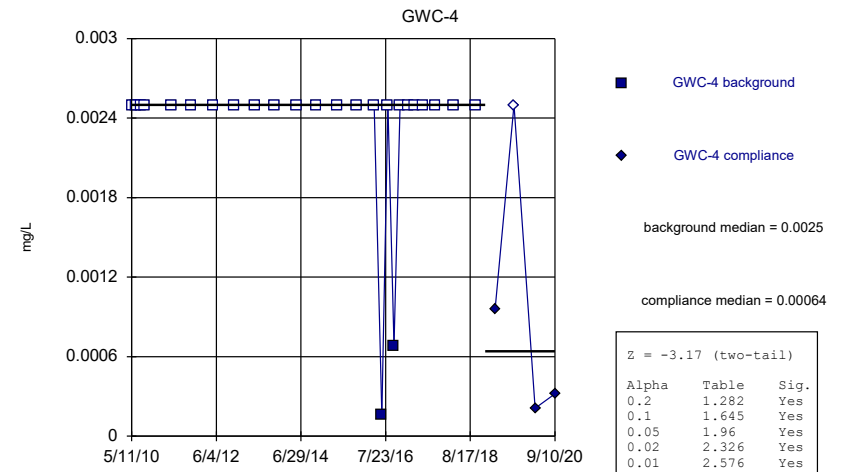
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



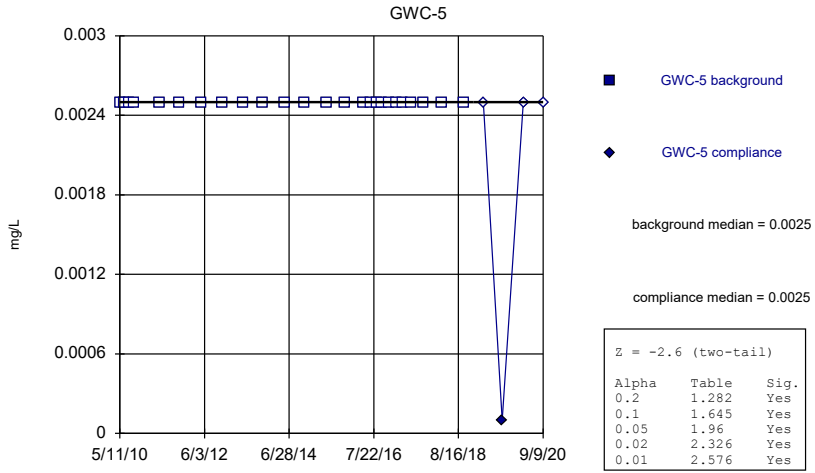
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



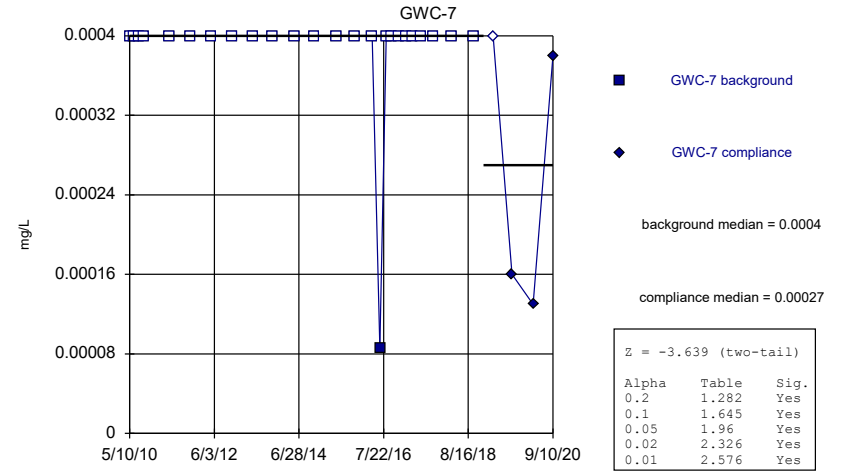
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



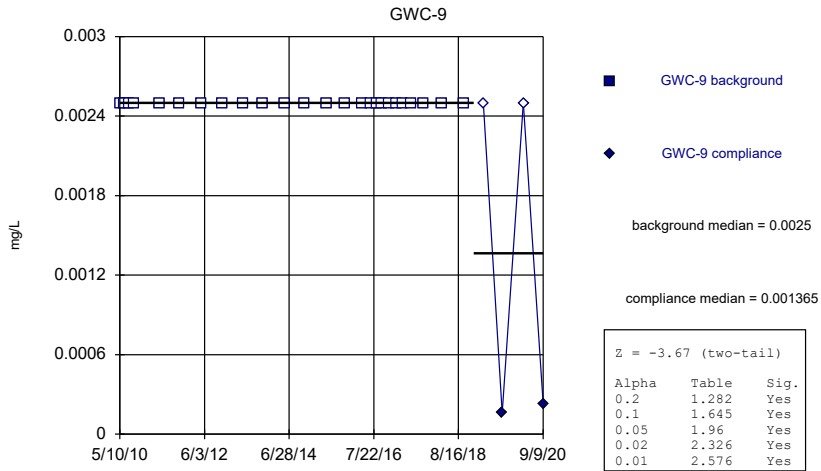
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



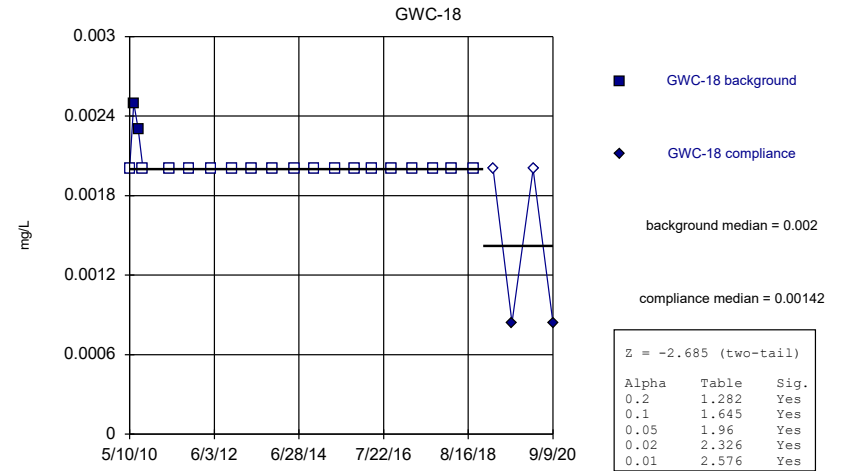
Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Cobalt, Total Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

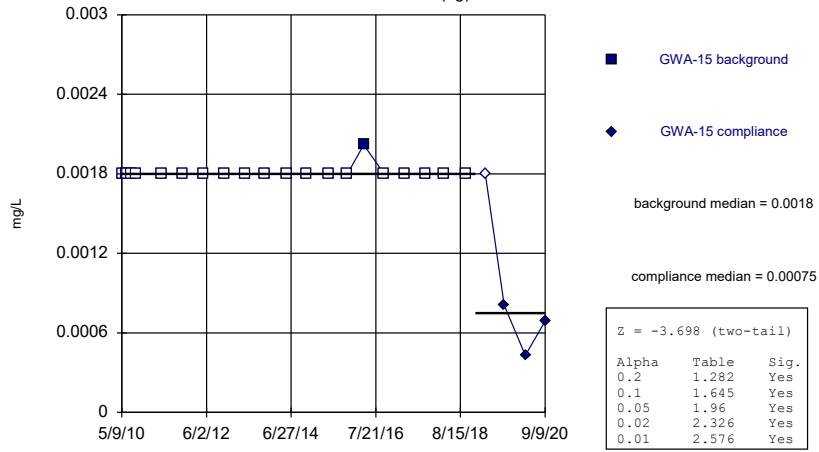
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Copper Analysis Run 6/16/2021 1:55 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

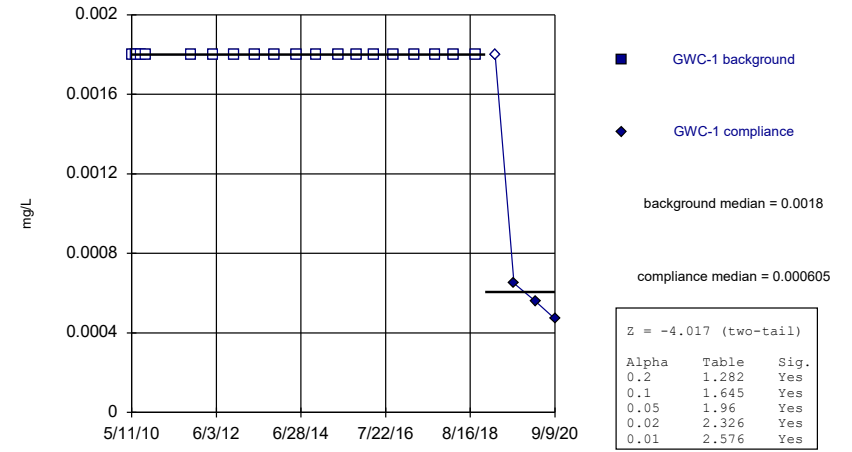
GWA-15 (bg)



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

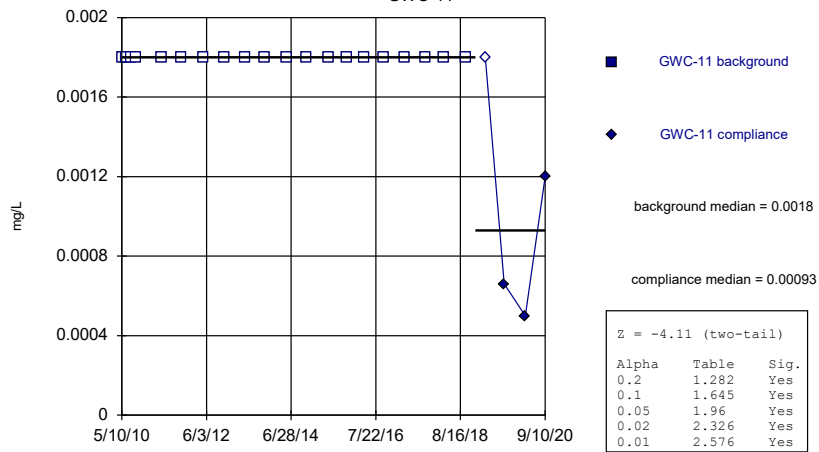
GWC-1



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

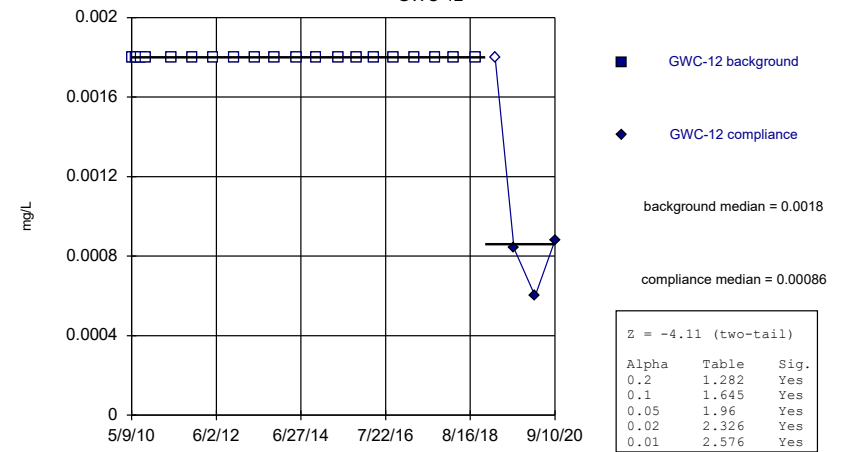
GWC-11



Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

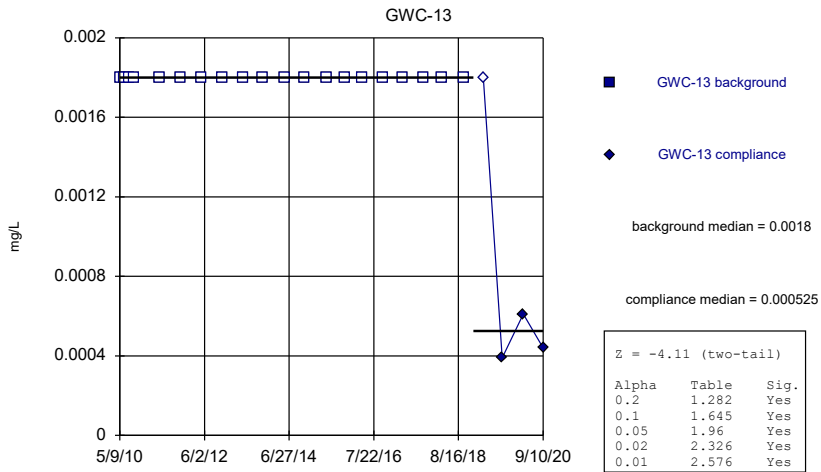
Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



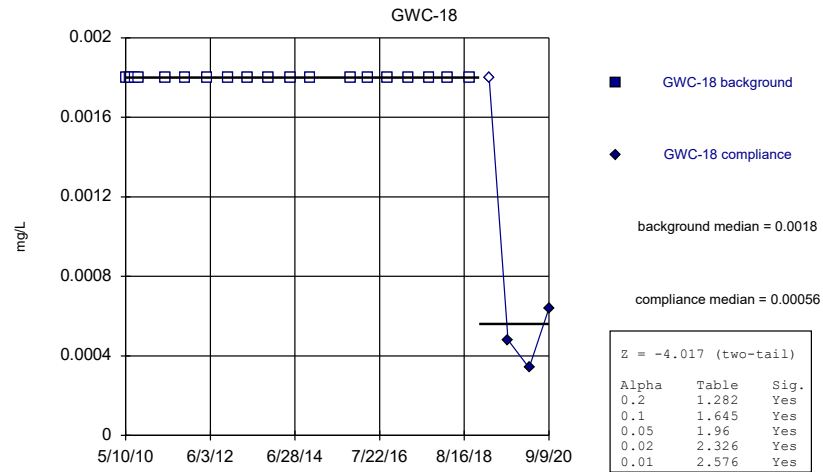
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



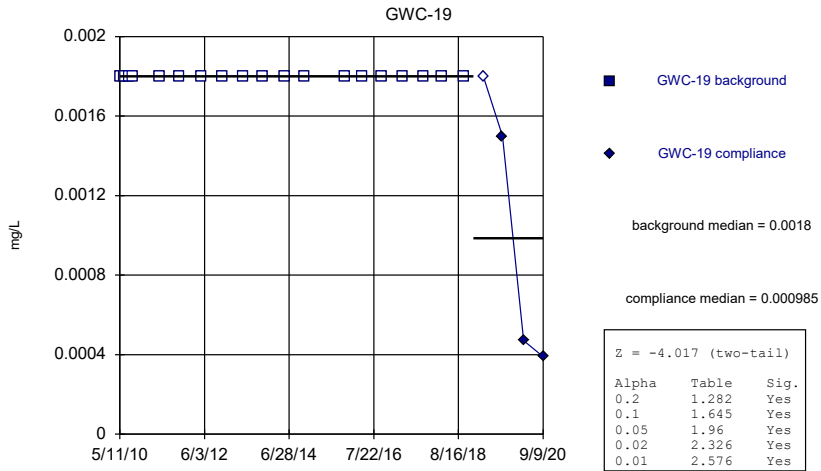
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



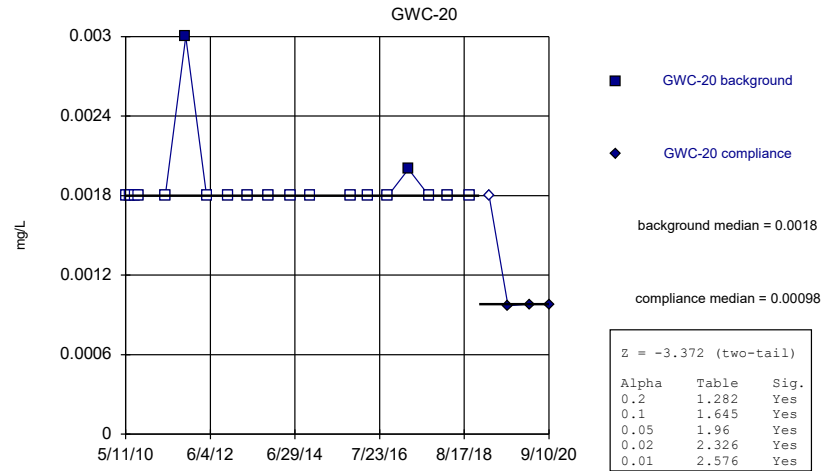
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



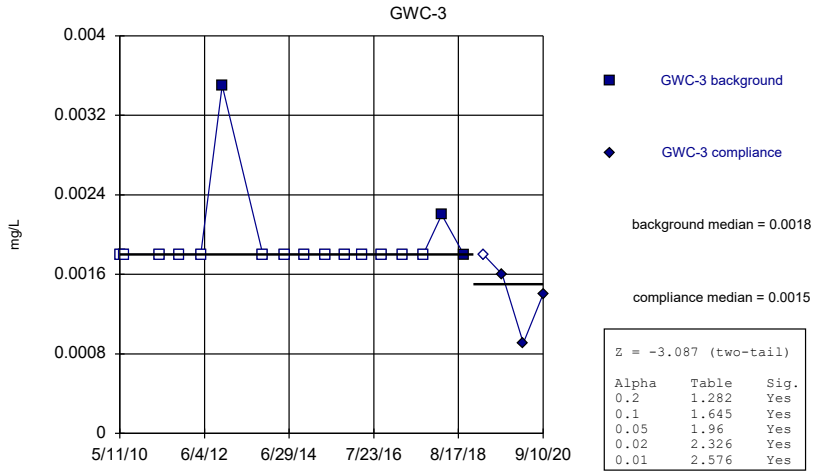
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



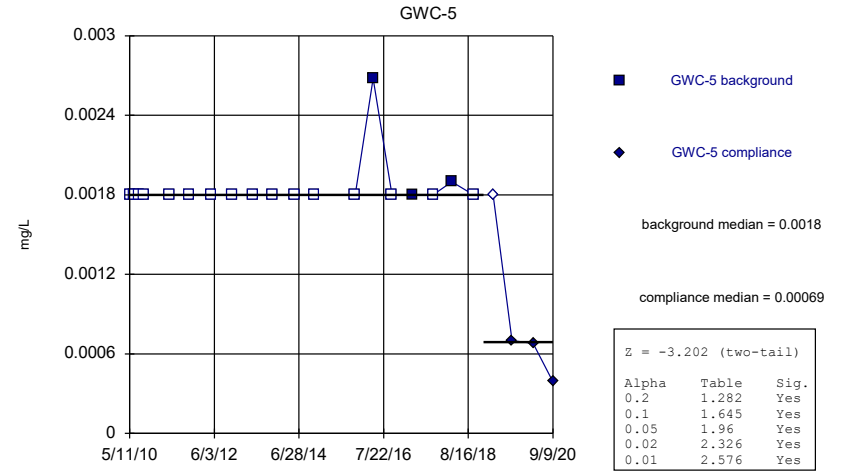
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



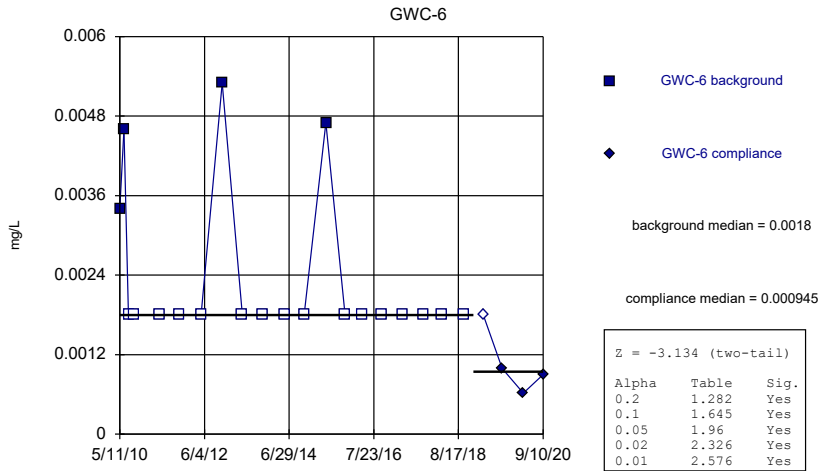
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



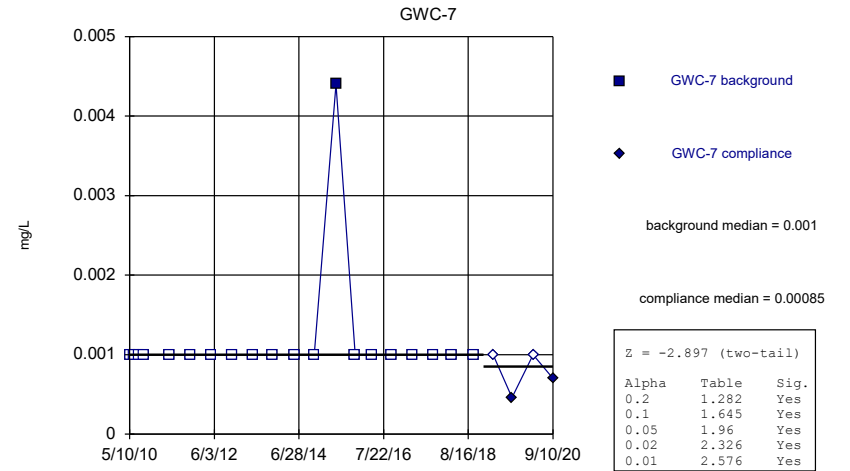
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



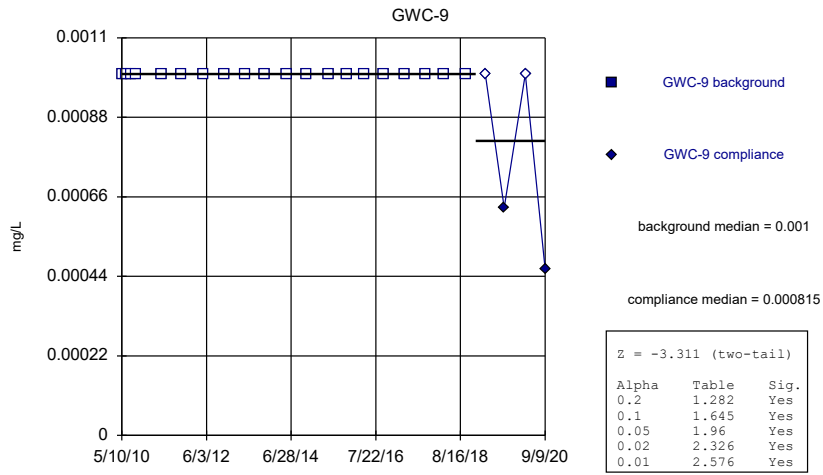
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



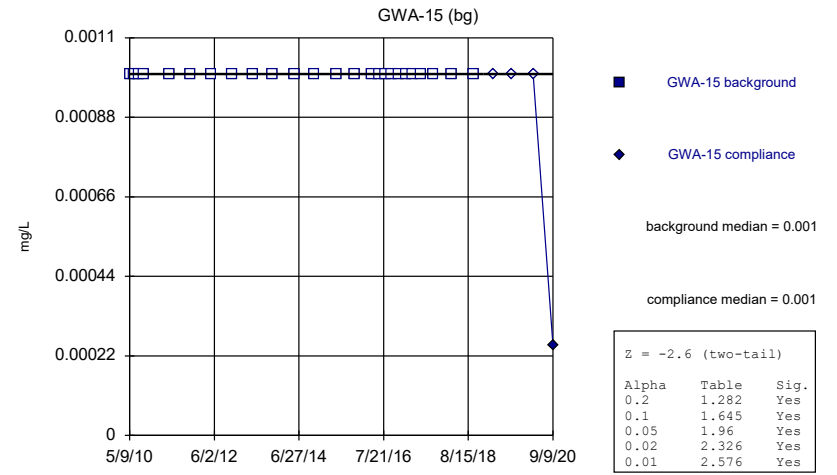
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



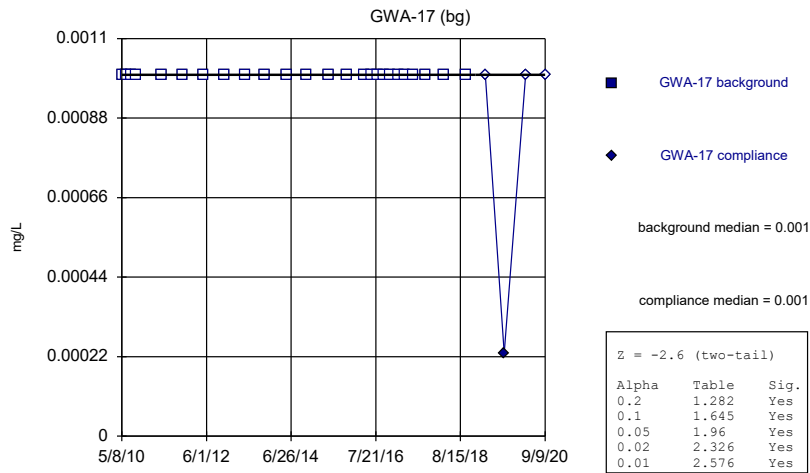
Constituent: Nickel Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



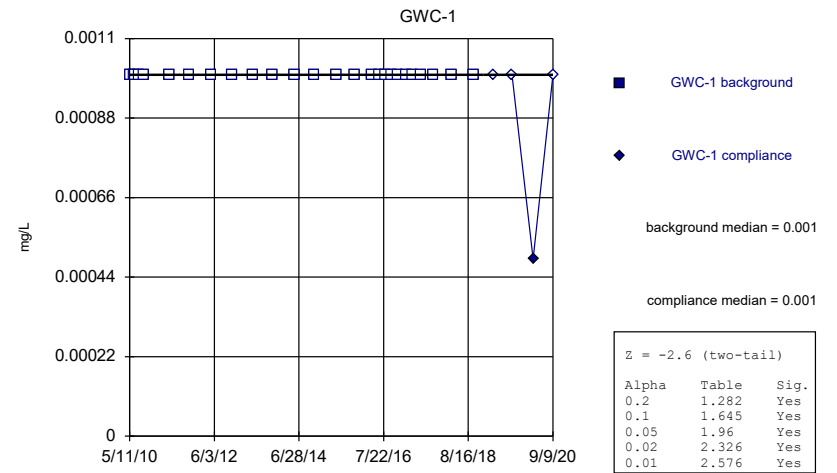
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



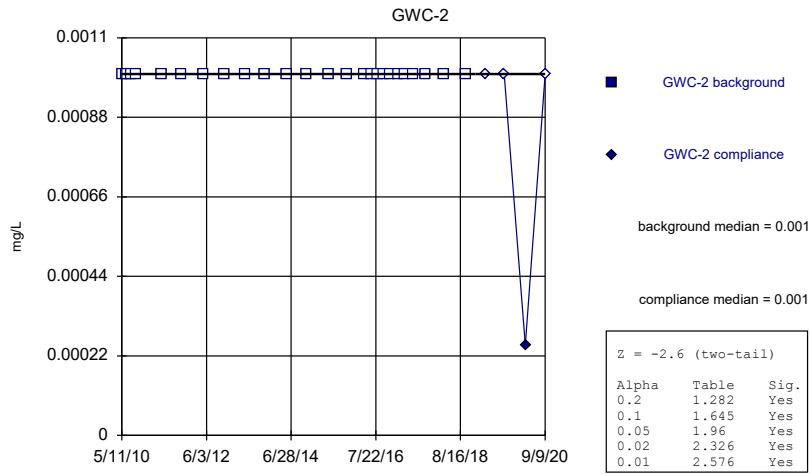
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



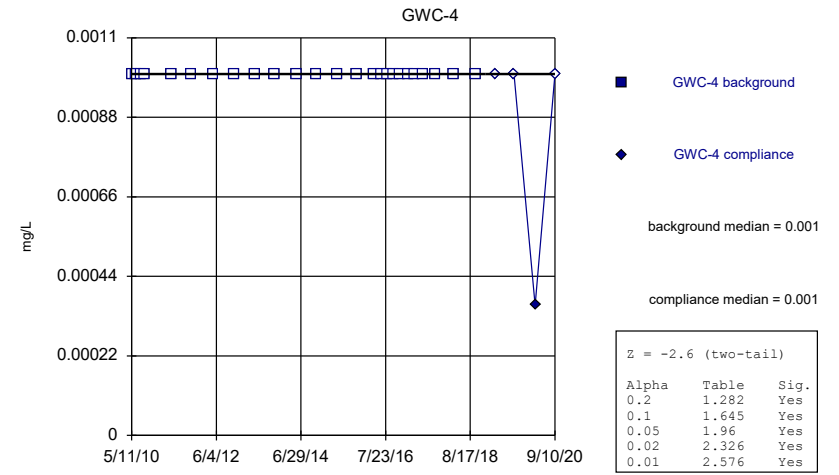
Constituent: Thallium, Total Analysis Run 6/16/2021 1:56 PM View: Mann-Whitney Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



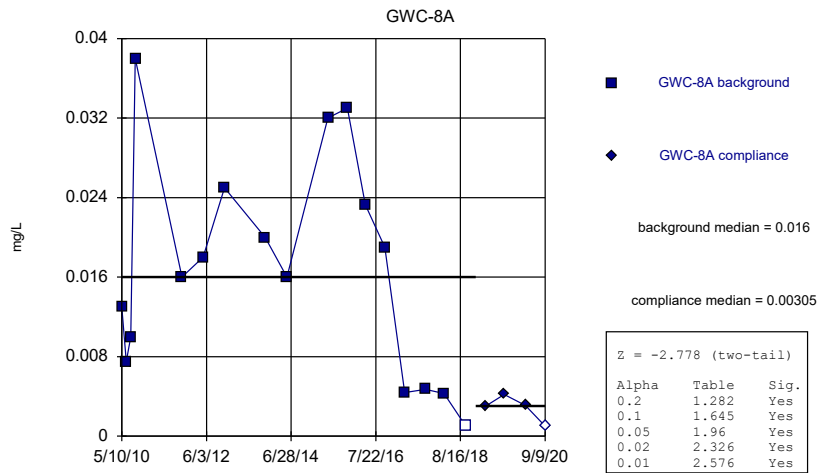
Constituent: Thallium, Total Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



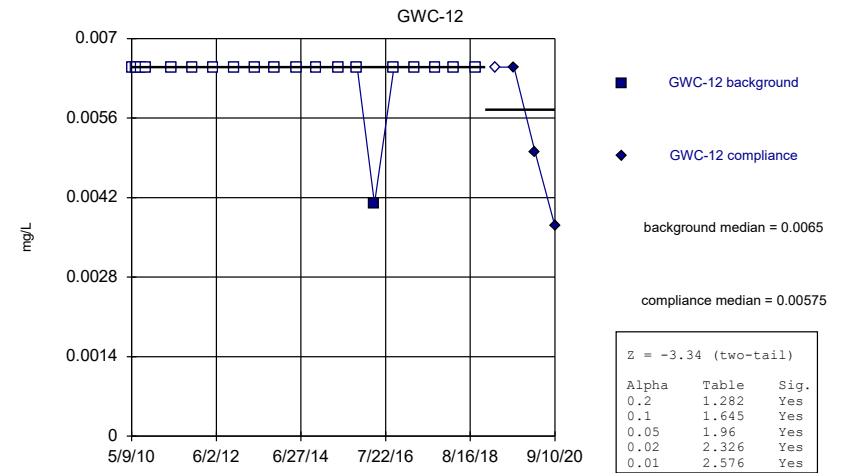
Constituent: Thallium, Total Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Vanadium Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Zinc Analysis Run 6/16/2021 1:57 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019		<0.002
9/10/2019		0.00042 (J)
3/18/2020		<0.002
9/9/2020		<0.002

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.024 (J)	
6/16/2010	0.022 (J)	
7/28/2010	0.023 (J)	
9/8/2010	0.023 (J)	
4/29/2011	0.022 (J)	
10/27/2011	0.022	
5/4/2012	0.019	
11/11/2012	0.025 (V)	
5/9/2013	0.024	
11/5/2013	0.025	
5/21/2014	0.024	
11/12/2014	0.026	
5/23/2015	0.026	
11/12/2015	0.026	
4/13/2016	0.0258 (D)	
6/21/2016	0.0286	
8/15/2016	0.024	
10/5/2016	<0.028	
12/1/2016	0.028	
2/8/2017	0.027	
4/6/2017	0.027	
6/21/2017	0.031	
10/5/2017	0.029	
3/21/2018	<0.028 (X)	
10/2/2018	0.029	
3/27/2019		0.027
9/11/2019		0.033
3/18/2020		0.036
9/9/2020		0.036

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	0.017 (J)	
6/18/2010	0.014 (J)	
7/27/2010	0.015 (J)	
9/8/2010	0.013 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.013	
5/3/2012	0.012	
11/10/2012	0.015 (V)	
5/9/2013	0.015	
11/6/2013	0.015	
5/20/2014	0.015	
11/12/2014	0.018	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0166 (D)	
6/21/2016	0.0173	
8/15/2016	0.015	
10/5/2016	<0.017	
12/1/2016	0.016	
2/8/2017	0.016	
4/5/2017	0.016	
6/20/2017	0.017	
10/5/2017	0.017	
3/21/2018	<0.017 (X)	
10/2/2018	0.016	
3/26/2019		0.017
9/11/2019		0.017
3/18/2020		0.018
9/10/2020		0.019

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.029 (J)	
6/18/2010	0.028 (J)	
7/29/2010	0.029 (J)	
9/9/2010	0.028 (J)	
4/26/2011	0.038 (J)	
10/28/2011	0.026	
5/4/2012	0.024	
11/11/2012	0.027 (V)	
5/8/2013	0.045	
11/7/2013	0.026	
5/20/2014	0.024	
11/12/2014	0.029	
5/24/2015	0.027	
11/12/2015	0.029	
4/13/2016	0.029 (D)	
6/21/2016	0.0306	
8/15/2016	0.026	
10/7/2016	0.031	
12/1/2016	0.031	
2/9/2017	0.032	
4/6/2017	0.029	
6/22/2017	0.034	
10/6/2017	0.031	
3/22/2018	0.034	
10/3/2018	0.03	
3/26/2019		0.035
9/11/2019		0.035
3/18/2020		0.058
9/10/2020		0.037

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.018 (J)	
6/16/2010	0.017 (J)	
7/27/2010	0.016 (J)	
9/7/2010	0.017 (J)	
4/29/2011	0.018 (J)	
10/28/2011	0.016	
5/2/2012	0.018	
11/9/2012	0.017 (V)	
5/9/2013	0.017	
11/6/2013	0.018 (V)	
5/22/2014	0.016	
11/8/2014	0.018	
5/23/2015	0.018	
11/10/2015	0.017	
4/11/2016	0.0191	
6/16/2016	0.017	
8/11/2016	0.015	
10/5/2016	<0.018	
11/29/2016	0.017	
2/8/2017	0.017	
4/5/2017	0.017	
6/21/2017	0.019	
10/5/2017	0.018	
3/20/2018	0.019	
10/2/2018	0.018	
3/26/2019		0.018
9/12/2019		0.026
3/19/2020		0.025
9/9/2020		0.026

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/19/2020		<0.0025
9/10/2020		0.00018 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00013 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/18/2020		<0.0025
9/10/2020		0.001 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.0095	
7/28/2010	0.01	
9/8/2010	0.011	
4/29/2011	0.0096	
10/27/2011	0.011	
5/4/2012	0.01	
11/11/2012	0.01	
5/9/2013	0.011	
11/5/2013	0.015	
5/21/2014	0.013	
11/12/2014	0.012	
5/23/2015	0.014	
11/12/2015	0.016	
4/13/2016	0.0152 (D)	
6/21/2016	0.016	
8/15/2016	0.015	
10/5/2016	0.016	
12/1/2016	0.015	
2/8/2017	0.017	
4/6/2017	0.018	
6/21/2017	0.017	
10/5/2017	0.018	
3/21/2018	0.017 (J+X)	
10/2/2018	0.018	
3/27/2019		0.017
9/11/2019		0.023
3/18/2020		0.02
9/9/2020		0.018

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.01	
6/17/2010	0.0087	
7/28/2010	0.028 (O)	
9/7/2010	0.022	
4/29/2011	0.0099	
10/28/2011	0.0089	
5/3/2012	0.0091	
11/9/2012	0.008	
5/10/2013	0.019	
11/6/2013	0.013	
5/22/2014	0.0093 (J)	
11/9/2014	0.0098 (J)	
5/22/2015	0.01	
11/10/2015	0.011	
4/12/2016	0.00925 (JD)	
6/20/2016	0.0076 (J)	
8/12/2016	0.0079	
10/5/2016	0.0085	
11/30/2016	0.0086	
2/8/2017	0.011	
4/6/2017	0.0098	
6/21/2017	0.011	
10/5/2017	0.01	
3/21/2018	<0.0093 (X)	
10/3/2018	0.0081	
3/26/2019		0.0075
9/10/2019		0.0092
3/18/2020		0.0049
9/10/2020		0.0061

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	0.003 (O)	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	2.2E-05 (J)	
8/10/2016	<0.0025	
10/4/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00031 (J)
3/18/2020		0.00034 (J)
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	8.4E-05 (J)	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00052 (J)
3/18/2020		<0.0025
9/9/2020		0.00019 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/5/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		<0.0025
3/18/2020		0.00017 (J)
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		<0.0025
3/18/2020		<0.0025
9/10/2020		0.00033 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0004	
6/16/2010	<0.0004	
7/26/2010	<0.0004	
9/7/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/2/2012	<0.0004	
11/9/2012	<0.0004	
5/8/2013	<0.0004	
11/6/2013	<0.0004	
5/23/2014	<0.0004	
11/8/2014	<0.0004	
5/22/2015	0.0032 (O)	
11/10/2015	<0.0004	
4/11/2016	<0.0004	
6/16/2016	<0.0004	
8/11/2016	<0.0004	
10/5/2016	<0.0004	
11/29/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	<0.0004	
10/5/2017	<0.0004	
3/20/2018	<0.0004	
10/2/2018	<0.0004	
3/26/2019		<0.0004
9/11/2019		0.00023 (J)
3/18/2020		0.00018 (J)
9/9/2020		0.00014 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/8/2014	<0.0025	
5/23/2015	<0.0025	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/5/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/12/2019		0.00021 (J)
3/19/2020		0.00014 (J)
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019		<0.0025
9/10/2019		0.00015 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/27/2010	<0.0004	
9/7/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/24/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004	
6/16/2016	0.00012 (J)	
8/11/2016	<0.0004	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	0.0005 (J)	
6/21/2017	<0.0004	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019		<0.0004
9/12/2019		0.00021 (J)
3/19/2020		0.00026 (J)
9/10/2020		0.00018 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/28/2010	0.0034 (O)	
9/7/2010	<0.0004	
4/29/2011	0.0037 (O)	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/9/2012	<0.0004	
5/10/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/22/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004 (D)	
6/20/2016	0.0001 (J)	
8/12/2016	0.00042 (J)	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	0.00042 (J)	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019		<0.0004
9/10/2019		0.00028 (J)
3/18/2020		0.00014 (J)
9/10/2020		0.00023 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/10/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	0.00016 (J)	
8/12/2016	<0.0025	
10/6/2016	0.00068 (J)	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019		0.00096 (J)
9/10/2019		<0.0025
3/19/2020		0.00021 (J)
9/10/2020		0.00032 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		9.9E-05 (J)
3/18/2020		<0.0025
9/9/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0004	
6/18/2010	<0.0004	
7/28/2010	<0.0004	
9/9/2010	<0.0004	
4/30/2011	<0.0004	
10/29/2011	<0.0004	
5/4/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/7/2013	<0.0004	
5/21/2014	<0.0004	
11/12/2014	<0.0004	
5/24/2015	<0.0004	
11/11/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/20/2016	8.6E-05 (J)	
8/15/2016	<0.0004	
10/6/2016	<0.0004	
12/1/2016	<0.0004	
2/9/2017	<0.0004	
4/7/2017	<0.0004	
6/22/2017	<0.0004	
10/6/2017	<0.0004	
3/22/2018	<0.0004	
10/4/2018	<0.0004	
3/27/2019		<0.0004
9/11/2019		0.00016 (J)
3/19/2020		0.00013 (J)
9/10/2020		0.00038 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/3/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/22/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019		<0.0025
9/11/2019		0.00016 (J)
3/18/2020		<0.0025
9/9/2020		0.00023 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	0.0025 (J)	
7/26/2010	0.0023 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019		<0.002
9/11/2019		0.00084 (J)
3/18/2020		<0.002
9/9/2020		0.00084 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/28/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/5/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/6/2016	0.00202 (J)	
10/4/2016	<0.0018	
4/4/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/10/2019		0.00081 (J)
3/18/2020		0.00043 (J)
9/9/2020		0.00069 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	0.0086 (O)	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/23/2014	<0.0018	
11/13/2014	<0.0018	
5/23/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/4/2016	<0.0018	
4/5/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/10/2019		0.00065 (J)
3/18/2020		0.00056 (J)
9/9/2020		0.00047 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	<0.0018	
3/27/2019		<0.0018
9/11/2019		0.00066 (J)
3/18/2020		0.0005 (J)
9/10/2020		0.0012

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00084 (J)
3/18/2020		0.0006 (J)
9/10/2020		0.00088 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/29/2010	<0.0018	
9/9/2010	<0.0018	
4/26/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/8/2013	<0.0018	
11/7/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/7/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/22/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00039 (J)
3/18/2020		0.00061 (J)
9/10/2020		0.00044 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/26/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/6/2013	<0.0018	
5/23/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	0.0045 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00048 (J)
3/18/2020		0.00034 (J)
9/9/2020		0.00064 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/8/2014	<0.0018	
5/23/2015	0.01 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019		<0.0018
9/12/2019		0.0015
3/19/2020		0.00047 (J)
9/9/2020		0.00039 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	0.003 (J)	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0063 (O)	
11/10/2015	<0.0018	
4/12/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	0.002 (J)	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/12/2019		0.00097 (J)
3/19/2020		0.00098 (J)
9/10/2020		0.00098 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	0.019 (O)	
9/7/2010	0.0093 (O)	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	0.0035 (J)	
5/10/2013	0.0081 (O)	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/10/2015	<0.0018	
4/12/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	0.0022 (J)	
10/3/2018	0.0018 (J)	
3/26/2019		<0.0018
9/10/2019		0.0016
3/18/2020		0.00091 (J)
9/10/2020		0.0014

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.006 (O)	
11/11/2015	<0.0018	
4/19/2016	0.00268 (J)	
10/6/2016	<0.0018	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0018	
3/22/2018	0.0019 (J)	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/11/2019		0.0007 (J)
3/18/2020		0.00068 (J)
9/9/2020		0.00039 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0034	
6/18/2010	0.0046	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/29/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	0.0053	
5/9/2013	<0.0018	
11/7/2013	<0.0018	
5/21/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0047	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019		<0.0018
9/11/2019		0.00099 (J)
3/18/2020		0.00062 (J)
9/10/2020		0.0009 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0044	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/7/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019		<0.001
9/11/2019		0.00046 (J)
3/19/2020		<0.001
9/10/2020		0.0007 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019		<0.001
9/11/2019		0.00063 (J)
3/18/2020		<0.001
9/9/2020		0.00046 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, T Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		<0.001
9/9/2020		0.00025 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		0.00023 (J)
3/18/2020		<0.001
9/9/2020		<0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		0.00049 (J)
9/9/2020		<0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/22/2014	<0.001	
11/13/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/18/2020		0.00025 (J)
9/9/2020		<0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium, Total (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/10/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019		<0.001
9/10/2019		<0.001
3/19/2020		0.00036 (J)
9/10/2020		<0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.013	
6/19/2010	0.0075 (J)	
7/28/2010	0.01	
9/8/2010	0.038	
4/30/2011	0.053 (O)	
10/27/2011	0.016	
5/4/2012	0.018	
11/11/2012	0.025	
5/10/2013	0.09 (O)	
11/7/2013	0.02	
5/21/2014	0.016	
11/13/2014	0.065 (O)	
5/23/2015	0.032	
11/11/2015	0.033	
4/19/2016	0.0233	
10/10/2016	0.019 (D)	
4/7/2017	0.0044	
10/9/2017	0.0047	
3/22/2018	0.0043	
10/4/2018	<0.001	
3/27/2019		0.003
9/11/2019		0.0042
3/18/2020		0.0031
9/9/2020		<0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 6/16/2021 1:58 PM View: Mann-Whitney Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0065	
6/18/2010	<0.0065	
7/27/2010	<0.0065	
9/8/2010	<0.0065	
4/29/2011	<0.0065	
10/28/2011	<0.0065	
5/3/2012	<0.0065	
11/10/2012	<0.0065	
5/9/2013	<0.0065	
11/6/2013	<0.0065	
5/20/2014	<0.0065	
11/12/2014	<0.0065	
5/23/2015	<0.0065	
11/12/2015	<0.0065	
4/13/2016	0.00409 (JD)	
10/5/2016	<0.0065	
4/5/2017	<0.0065	
10/5/2017	<0.0065	
3/21/2018	<0.0065 (D)	
10/2/2018	<0.0065	
3/26/2019		<0.0065
9/11/2019		0.0065
3/18/2020		0.005
9/10/2020		0.0037 (J)

FIGURE E.

Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron, total (mg/L)	GWA-17 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-5	-1.896	No	Mann-W
Boron, total (mg/L)	GWC-8A	-0.7126	No	Mann-W
Boron, total (mg/L)	GWC-9	-1.9	No	Mann-W
Calcium, total (mg/L)	GWA-15 (bg)	-0.264	No	Mann-W
Calcium, total (mg/L)	GWA-16 (bg)	-0.2015	No	Mann-W
Calcium, total (mg/L)	GWA-17 (bg)	1.896	No	Mann-W
Calcium, total (mg/L)	GWC-1	0.06716	No	Mann-W
Calcium, total (mg/L)	GWC-10	1.919	No	Mann-W
Calcium, total (mg/L)	GWC-11	0.8083	No	Mann-W
Calcium, total (mg/L)	GWC-12	0.3293	No	Mann-W
Calcium, total (mg/L)	GWC-13	1.838	No	Mann-W
Calcium, total (mg/L)	GWC-14	1.181	No	Mann-W
Calcium, total (mg/L)	GWC-18	-0.4007	No	Mann-W
Calcium, total (mg/L)	GWC-19	2.305	No	Mann-W
Calcium, total (mg/L)	GWC-2	0.3368	No	Mann-W
Calcium, total (mg/L)	GWC-20	-0.4045	No	Mann-W
Calcium, total (mg/L)	GWC-3	-2.877	Yes	Mann-W
Calcium, total (mg/L)	GWC-4	0.869	No	Mann-W
Calcium, total (mg/L)	GWC-5	-2.943	Yes	Mann-W
Calcium, total (mg/L)	GWC-6	-1.897	No	Mann-W
Calcium, total (mg/L)	GWC-7	1.318	No	Mann-W
Calcium, total (mg/L)	GWC-8A	2.696	Yes	Mann-W
Calcium, total (mg/L)	GWC-9	-1.968	No	Mann-W
Chloride, Total (mg/L)	GWA-15 (bg)	0.861	No	Mann-W
Chloride, Total (mg/L)	GWA-16 (bg)	-1.406	No	Mann-W
Chloride, Total (mg/L)	GWA-17 (bg)	-1.523	No	Mann-W
Chloride, Total (mg/L)	GWC-1	-0.8555	No	Mann-W
Chloride, Total (mg/L)	GWC-10	2.713	Yes	Mann-W
Chloride, Total (mg/L)	GWC-11	0.5338	No	Mann-W
Chloride, Total (mg/L)	GWC-12	1.819	No	Mann-W
Chloride, Total (mg/L)	GWC-13	1.273	No	Mann-W
Chloride, Total (mg/L)	GWC-14	0	No	Mann-W
Chloride, Total (mg/L)	GWC-18	2.784	Yes	Mann-W
Chloride, Total (mg/L)	GWC-19	1.013	No	Mann-W
Chloride, Total (mg/L)	GWC-2	-1.461	No	Mann-W
Chloride, Total (mg/L)	GWC-20	0.2649	No	Mann-W
Chloride, Total (mg/L)	GWC-3	-2.97	Yes	Mann-W
Chloride, Total (mg/L)	GWC-4	1.111	No	Mann-W
Chloride, Total (mg/L)	GWC-5	-2.902	Yes	Mann-W
Chloride, Total (mg/L)	GWC-6	-0.9203	No	Mann-W
Chloride, Total (mg/L)	GWC-7	2.303	No	Mann-W
Chloride, Total (mg/L)	GWC-8A	0.4257	No	Mann-W
Chloride, Total (mg/L)	GWC-9	-1.908	No	Mann-W
Fluoride, total (mg/L)	GWA-15 (bg)	-0.7724	No	Mann-W
Fluoride, total (mg/L)	GWA-16 (bg)	-3.502	Yes	Mann-W
Fluoride, total (mg/L)	GWA-17 (bg)	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-1	-1.13	No	Mann-W
Fluoride, total (mg/L)	GWC-10	-1.252	No	Mann-W
Fluoride, total (mg/L)	GWC-11	-2.578	Yes	Mann-W
Fluoride, total (mg/L)	GWC-12	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-13	-3.031	Yes	Mann-W
Fluoride, total (mg/L)	GWC-14	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-18	-2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-19	-2.765	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

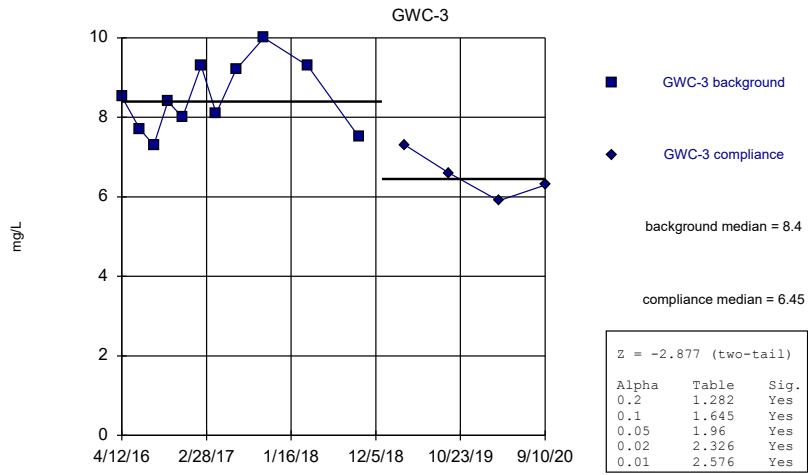
Constituent	Well	Calc.	0.01	Method
Fluoride, total (mg/L)	GWC-2	-3.113	Yes	Mann-W
Fluoride, total (mg/L)	GWC-20	-2.765	Yes	Mann-W
Fluoride, total (mg/L)	GWC-3	-0.9574	No	Mann-W
Fluoride, total (mg/L)	GWC-4	-1.582	No	Mann-W
Fluoride, total (mg/L)	GWC-5	-2.876	Yes	Mann-W
Fluoride, total (mg/L)	GWC-6	-3.346	Yes	Mann-W
Fluoride, total (mg/L)	GWC-7	-2.643	Yes	Mann-W
Fluoride, total (mg/L)	GWC-8A	-2.906	Yes	Mann-W
Fluoride, total (mg/L)	GWC-9	-1.205	No	Mann-W
pH, Field (S.U.)	GWA-15 (bg)	-0.7134	No	Mann-W
pH, Field (S.U.)	GWA-16 (bg)	-1.011	No	Mann-W
pH, Field (S.U.)	GWA-17 (bg)	1.72	No	Mann-W
pH, Field (S.U.)	GWC-1	1.131	No	Mann-W
pH, Field (S.U.)	GWC-10	1.188	No	Mann-W
pH, Field (S.U.)	GWC-11	0.8835	No	Mann-W
pH, Field (S.U.)	GWC-12	0.5939	No	Mann-W
pH, Field (S.U.)	GWC-13	-1.239	No	Mann-W
pH, Field (S.U.)	GWC-14	1.324	No	Mann-W
pH, Field (S.U.)	GWC-18	0.7123	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.551	No	Mann-W
pH, Field (S.U.)	GWC-2	-0.1897	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.6553	No	Mann-W
pH, Field (S.U.)	GWC-3	1.365	No	Mann-W
pH, Field (S.U.)	GWC-4	1.779	No	Mann-W
pH, Field (S.U.)	GWC-5	1.723	No	Mann-W
pH, Field (S.U.)	GWC-6	1.792	No	Mann-W
pH, Field (S.U.)	GWC-7	1.453	No	Mann-W
pH, Field (S.U.)	GWC-8A	-0.6036	No	Mann-W
pH, Field (S.U.)	GWC-9	1.543	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-15 (bg)	1.487	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-16 (bg)	-1.809	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-17 (bg)	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-1	-0.7416	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-10	2.843	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-11	-0.7724	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-12	-0.5864	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-13	2.908	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-14	-1.587	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-3.173	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-19	-0.1103	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-2	-1.323	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-2.538	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-3	-1.769	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-4	-0.3273	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-2.902	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-6	-1.834	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-7	-2.262	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-8A	-2.616	Yes	Mann-W
Sulfate as SO4 (mg/L)	GWC-9	-1.764	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-15 (bg)	-0.1965	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-16 (bg)	-1.252	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-17 (bg)	0.1308	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-1	0.06768	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	1.222	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	0	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:19 AM

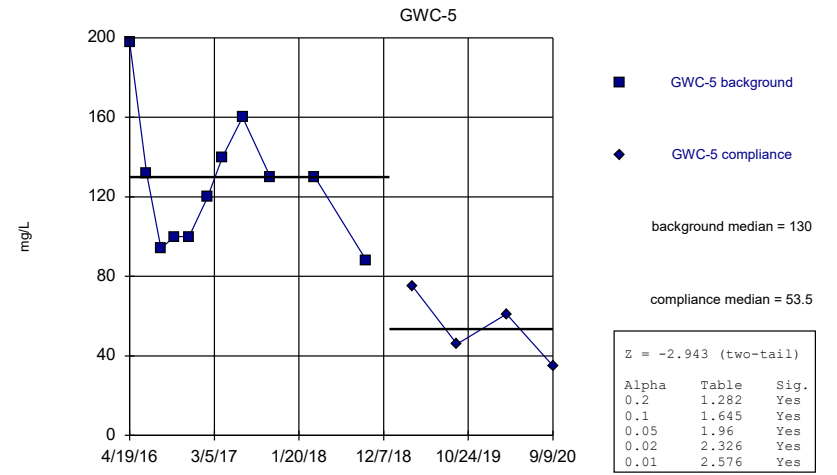
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Total Dissolved Solids [TDS] (mg/L)	GWC-12	0.4615	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	0.2838	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	-0.654	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-18	0.3927	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.8642	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-2	1.123	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	0.4598	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-3	-1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-4	0.929	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	-2.938	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-6	-1.987	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-1.058	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	2.557	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-0.7904	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



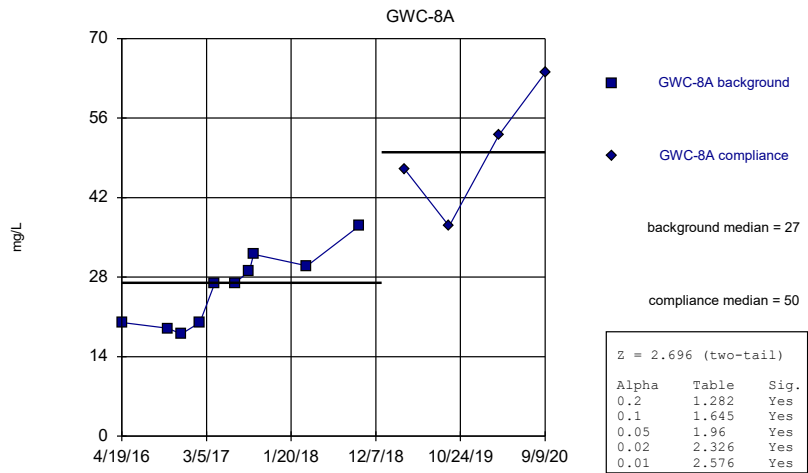
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



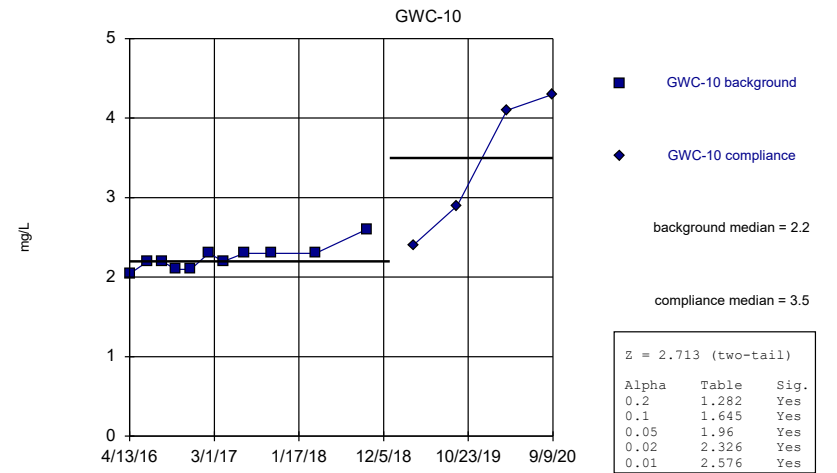
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



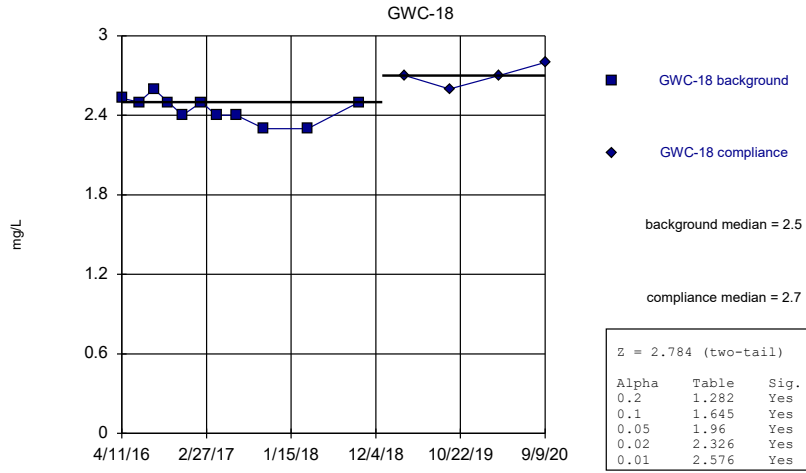
Constituent: Calcium, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



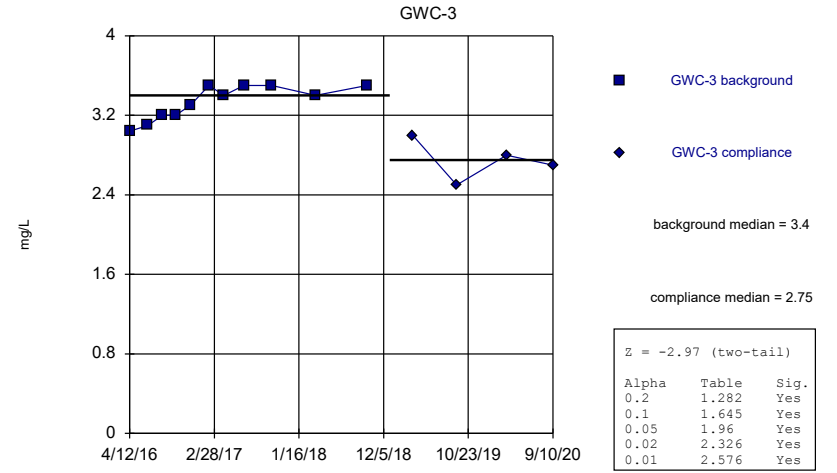
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 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



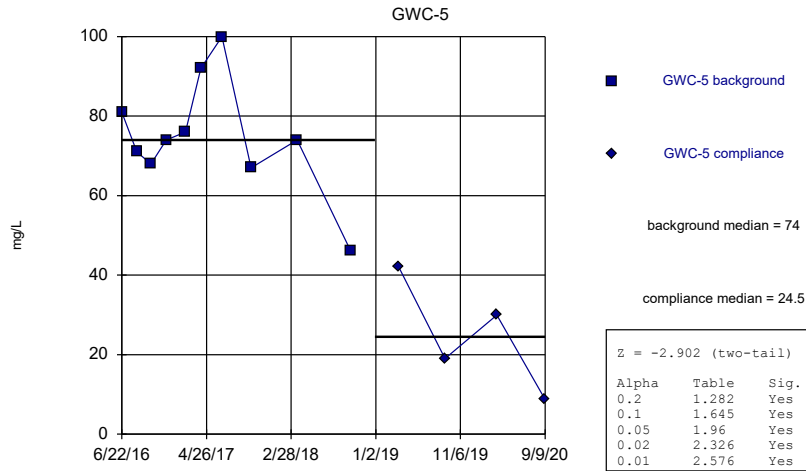
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



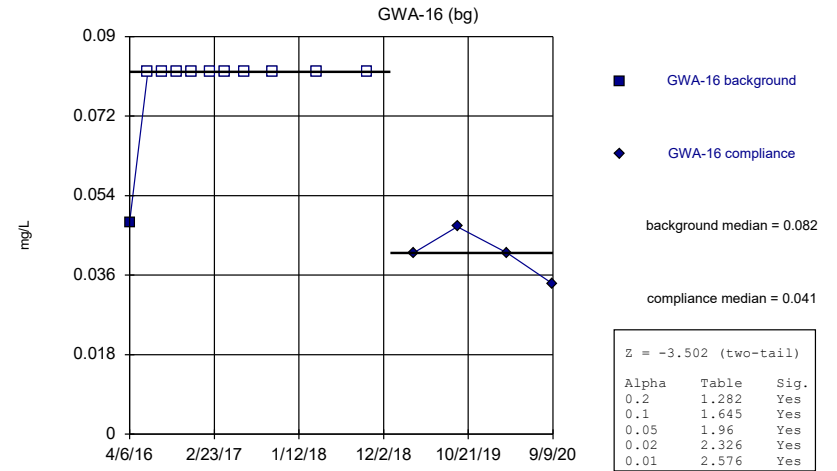
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



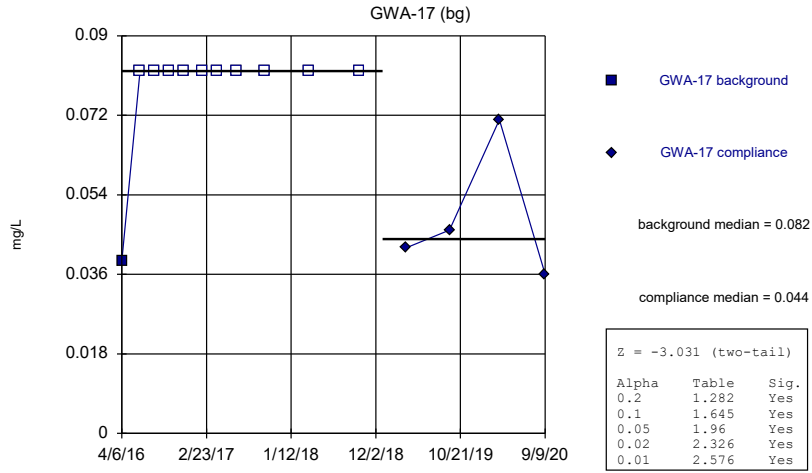
Constituent: Chloride, Total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



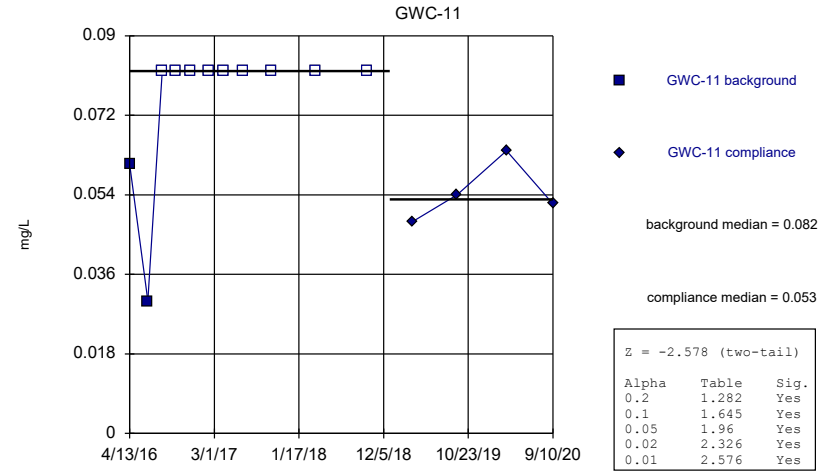
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



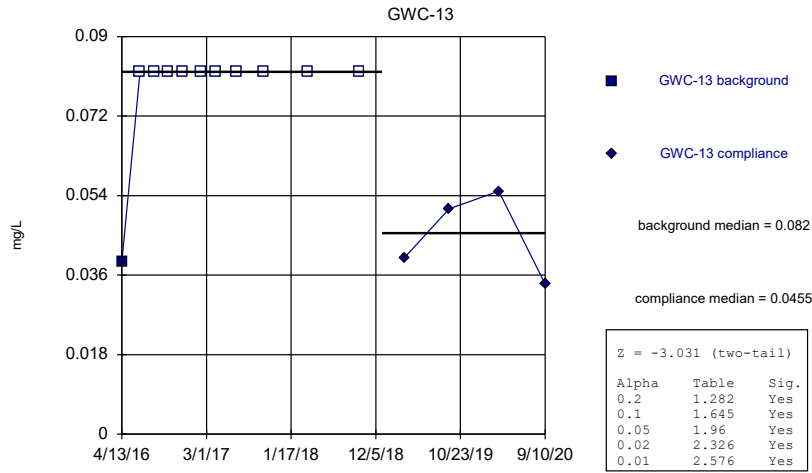
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



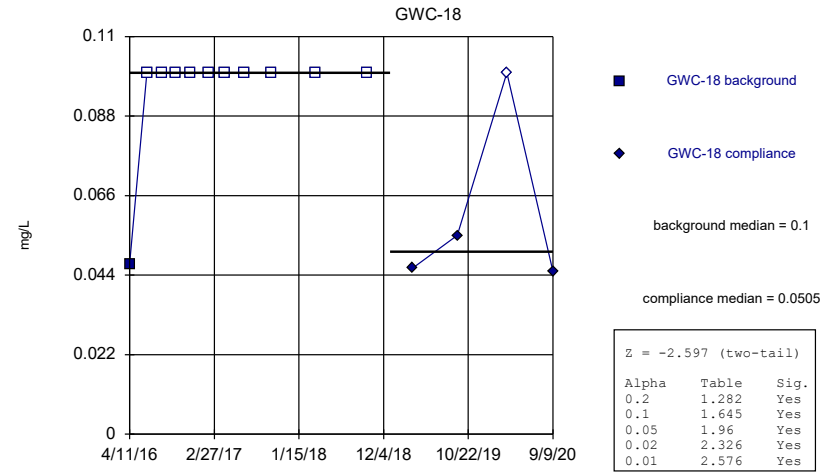
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



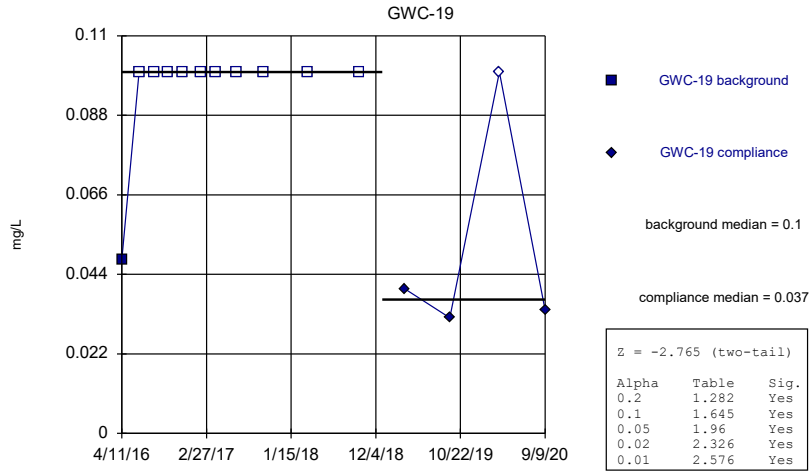
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



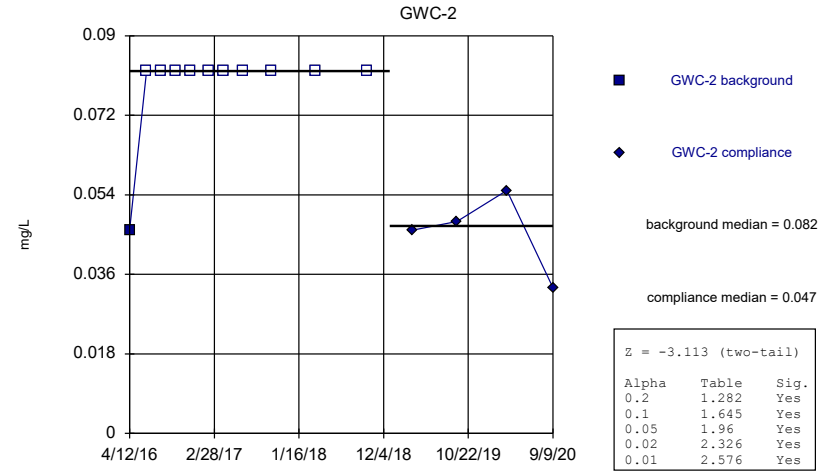
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



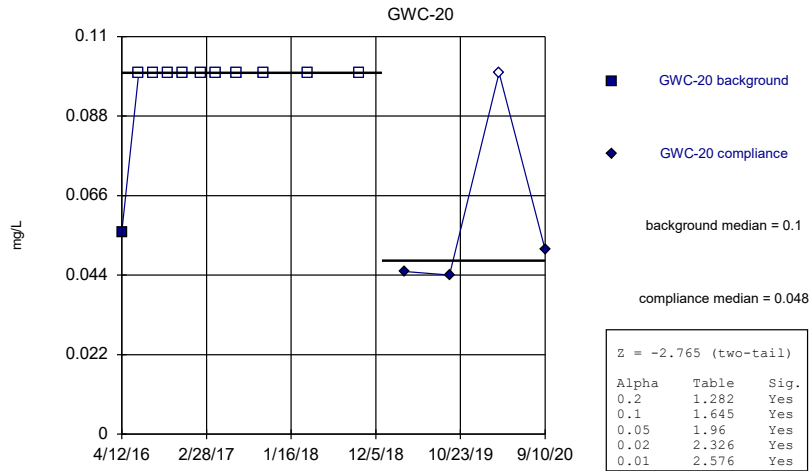
Constituent: Fluoride, total Analysis Run 6/24/2021 10:15 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



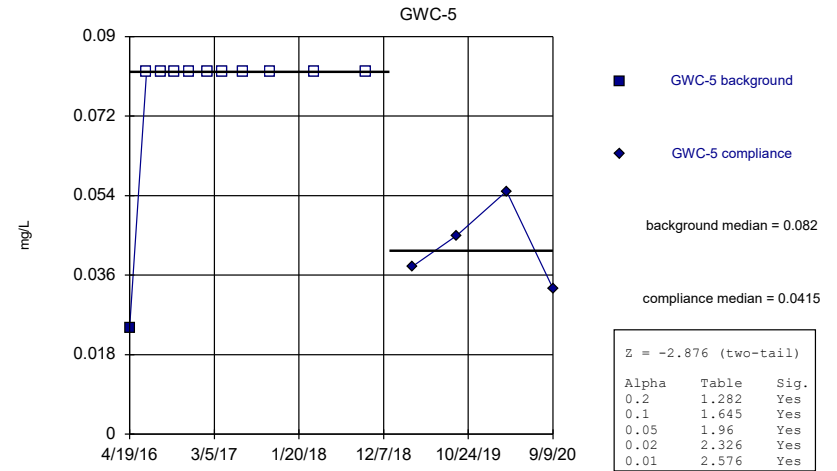
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



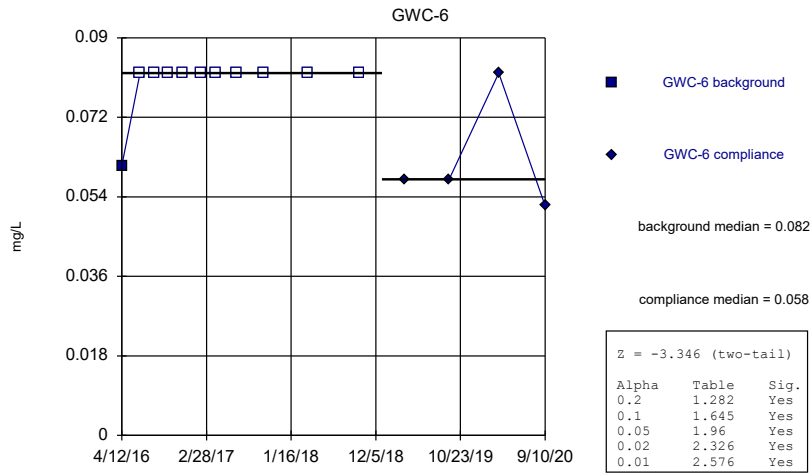
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



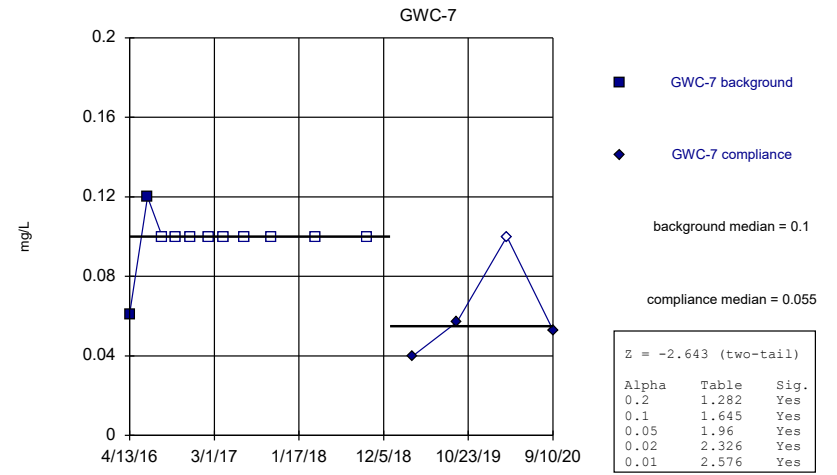
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



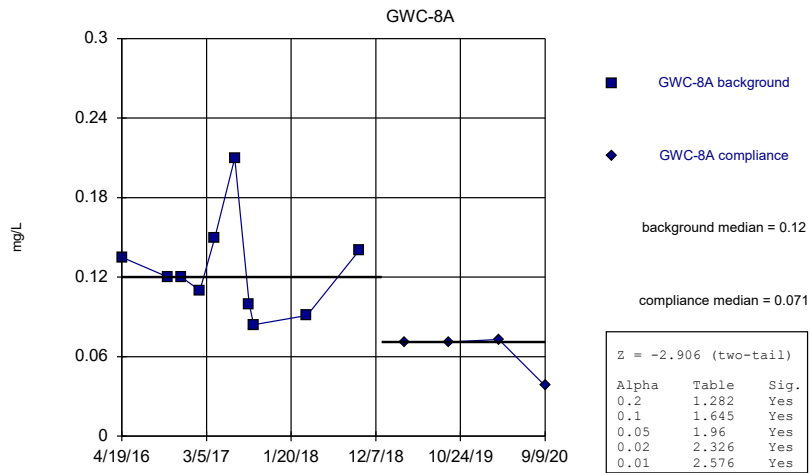
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



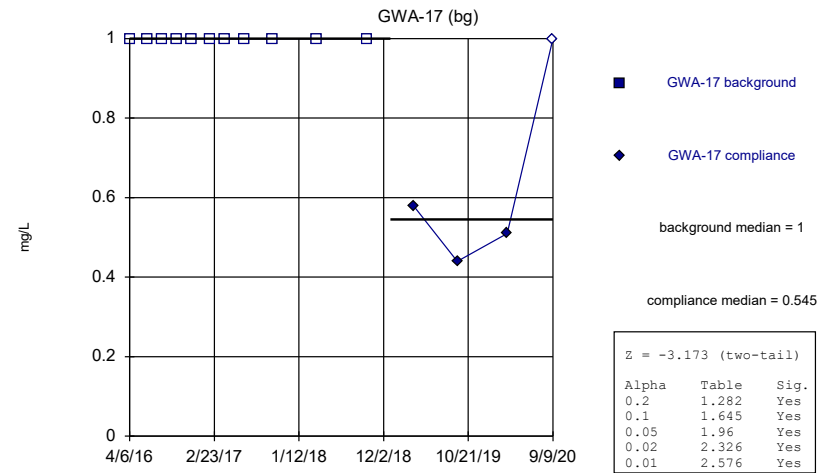
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



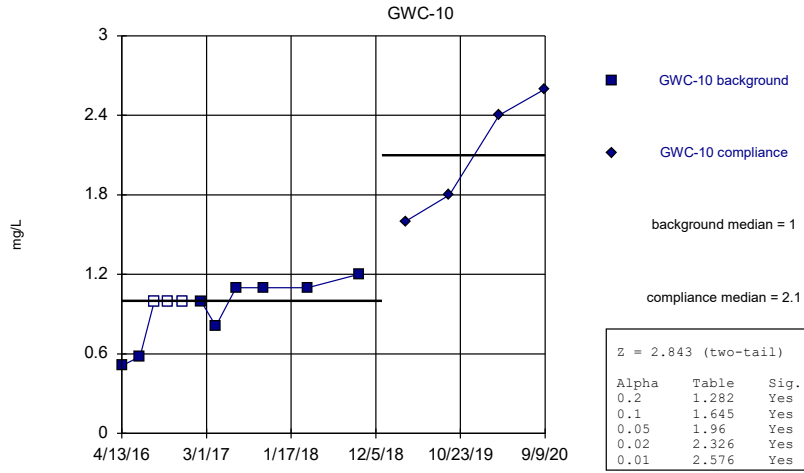
Constituent: Fluoride, total Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



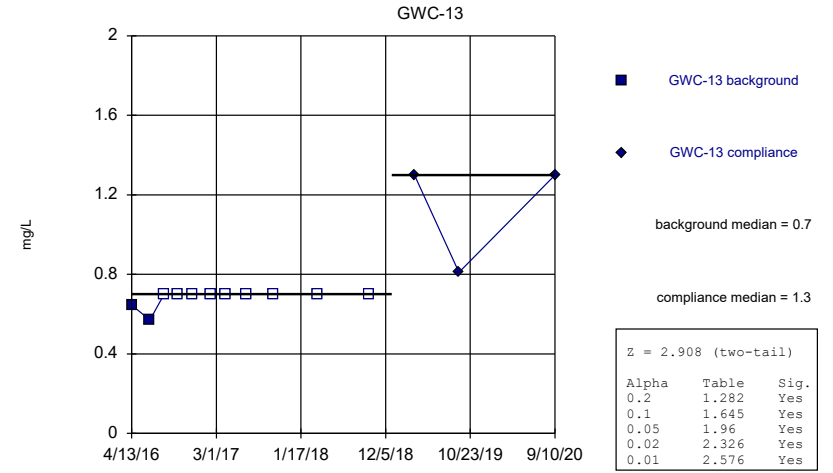
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



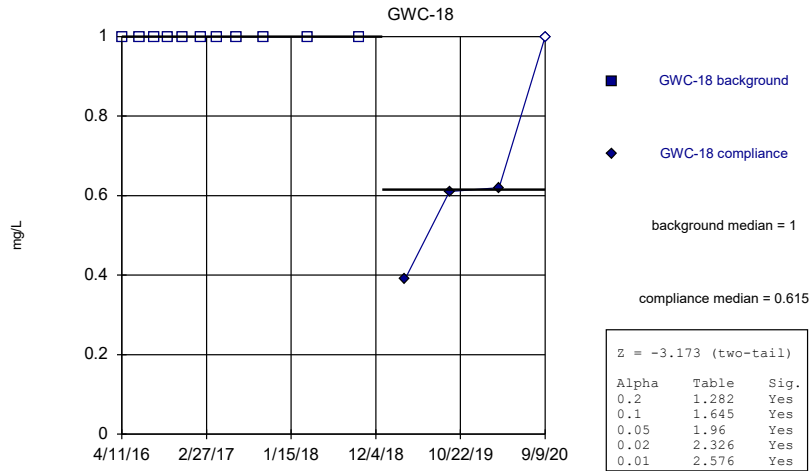
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Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



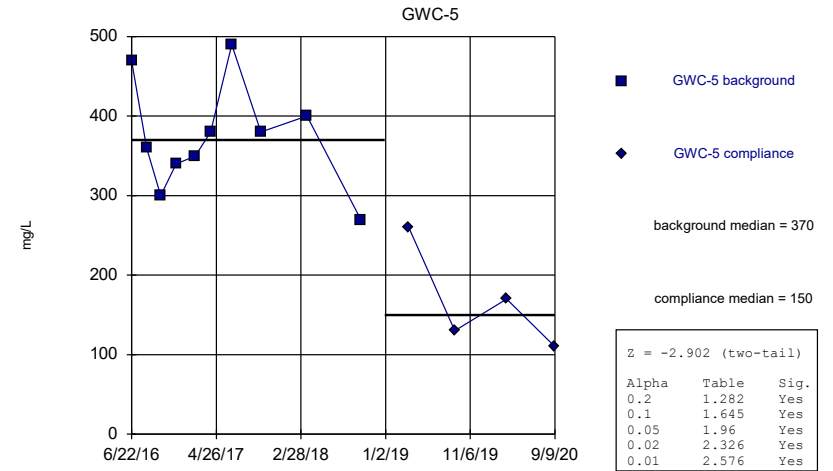
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



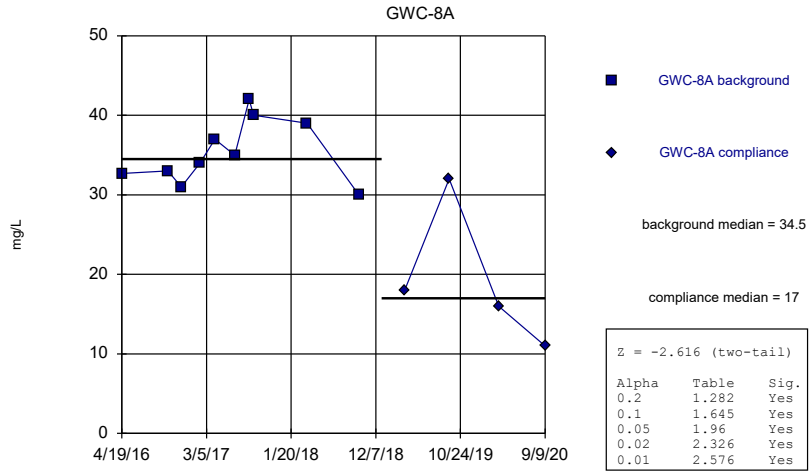
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



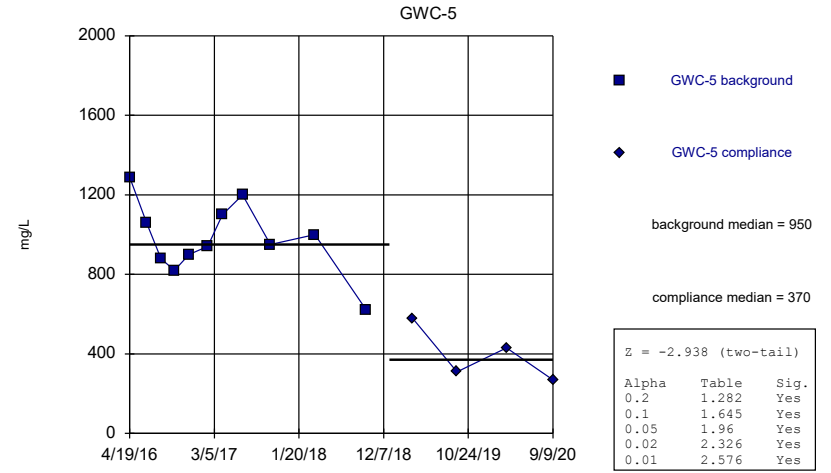
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/24/2021 10:16 AM View: Mann-Whitney Append
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	8.52 (D)	
6/20/2016	7.7	
8/12/2016	7.3	
10/5/2016	8.4	
11/30/2016	8	
2/8/2017	9.3	
4/6/2017	8.1	
6/21/2017	9.2 (D)	
10/5/2017	10	
3/21/2018	9.3	
10/3/2018	7.5	
3/26/2019		7.3
9/10/2019		6.6
3/18/2020		5.9
9/10/2020		6.3

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	198	
6/22/2016	132	
8/16/2016	94	
10/6/2016	100	
12/1/2016	100	
2/9/2017	120	
4/6/2017	140	
6/21/2017	160 (D)	
10/5/2017	130	
3/22/2018	130	
10/3/2018	88	
3/27/2019		75
9/11/2019		46
3/18/2020		61
9/9/2020		35

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	20	
10/10/2016	19	
12/1/2016	18	
2/9/2017	20	
4/7/2017	27	
6/21/2017	27 (D)	
8/15/2017	29	
9/1/2017	32	
3/22/2018	30	
10/4/2018	37	
3/27/2019		47
9/11/2019		37
3/18/2020		53
9/9/2020		64

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	2.04 (D)	
6/21/2016	2.2	
8/15/2016	2.2	
10/5/2016	2.1	
12/1/2016	2.1	
2/8/2017	2.3	
4/6/2017	2.2	
6/21/2017	2.3	
10/5/2017	2.3	
3/21/2018	2.3	
10/2/2018	2.6	
3/27/2019		2.4
9/11/2019		2.9
3/18/2020		4.1
9/9/2020		4.3

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	2.53	
6/16/2016	2.5	
8/11/2016	2.6	
10/5/2016	2.5	
11/29/2016	2.4	
2/8/2017	2.5	
4/6/2017	2.4	
6/21/2017	2.4	
10/5/2017	2.3	
3/20/2018	2.3	
10/2/2018	2.5	
3/26/2019		2.7
9/11/2019		2.6
3/18/2020		2.7
9/9/2020		2.8

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	3.04 (D)	
6/20/2016	3.1	
8/16/2016	3.2	
10/5/2016	3.2	
11/30/2016	3.3	
2/8/2017	3.5	
4/6/2017	3.4	
6/21/2017	3.5	
10/5/2017	3.5	
3/21/2018	3.4	
10/3/2018	3.5	
3/26/2019		3
9/10/2019		2.5
3/18/2020		2.8
9/10/2020		2.7

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	124 (o)	
6/22/2016	81	
8/16/2016	71	
10/6/2016	68	
12/1/2016	74	
2/9/2017	76	
4/6/2017	92	
6/21/2017	100	
10/5/2017	67	
3/22/2018	74	
10/3/2018	46	
3/27/2019		42
9/11/2019		19
3/18/2020		30
9/9/2020		8.7

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	0.048 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/4/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.041 (J)
9/10/2019		0.047 (J)
3/18/2020		0.041 (J)
9/9/2020		0.034 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	0.039 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/5/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.042 (J)
9/10/2019		0.046 (J)
3/18/2020		0.071 (J)
9/9/2020		0.036 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	0.061 (JD)	
6/21/2016	0.03 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019		0.048 (J)
9/11/2019		0.054 (J)
3/18/2020		0.064 (J)
9/10/2020		0.052 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.039 (JD)	
6/21/2016	<0.082	
8/15/2016	<0.082	
10/7/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/22/2017	<0.082	
10/6/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/26/2019		0.04 (J)
9/11/2019		0.051 (J)
3/18/2020		0.055 (J)
9/10/2020		0.034 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	0.047 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019		0.046 (J)
9/11/2019		0.055 (J)
3/18/2020		<0.1
9/9/2020		0.045 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	0.048 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019		0.04 (J)
9/12/2019		0.032 (J)
3/19/2020		<0.1
9/9/2020		0.034 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.046 (J)	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/4/2016	<0.082	
11/30/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019		0.046 (J)
9/10/2019		0.048 (J)
3/18/2020		0.055 (J)
9/9/2020		0.033 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	0.056 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/30/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1	
10/3/2018	<0.1	
3/26/2019		0.045 (J)
9/12/2019		0.044 (J)
3/19/2020		<0.1
9/10/2020		0.051 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	0.024 (J)	
6/22/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.038 (J)
9/11/2019		0.045 (J)
3/18/2020		0.055 (J)
9/9/2020		0.033 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	0.061 (J)	
6/20/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
11/30/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/6/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019		0.058 (J)
9/11/2019		0.058 (J)
3/18/2020		0.082 (J)
9/10/2020		0.052 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	0.061 (JD)	
6/20/2016	0.12 (J)	
8/15/2016	<0.1	
10/6/2016	<0.1	
12/1/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/6/2017	<0.1	
3/22/2018	<0.1	
10/4/2018	<0.1	
3/27/2019		0.04 (J)
9/11/2019		0.057 (J)
3/19/2020		<0.1
9/10/2020		0.053 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.135 (J)	
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	
2/9/2017	0.11 (J)	
4/7/2017	0.15 (J)	
6/21/2017	0.21	
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
3/22/2018	0.091 (J)	
10/4/2018	0.14 (J+X)	
3/27/2019		0.071 (J)
9/11/2019		0.071 (J)
3/18/2020		0.073 (J)
9/9/2020		0.038 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		0.58 (J)
9/10/2019		0.44 (J)
3/18/2020		0.51 (J)
9/9/2020		<1

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.51 (JD)	
6/21/2016	0.58 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	1	
4/6/2017	0.81 (J)	
6/21/2017	1.1	
10/5/2017	1.1	
3/21/2018	1.1	
10/2/2018	1.2	
3/27/2019		1.6
9/11/2019		1.8
3/18/2020		2.4
9/9/2020		2.6

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.646 (JD)	
6/21/2016	0.57 (J)	
8/15/2016	<0.7	
10/7/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/6/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/26/2019		1.3
9/11/2019		0.81 (J)
3/18/2020	25 (o)	
9/10/2020		1.3

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019		0.39 (J)
9/11/2019		0.61 (J)
3/18/2020		0.62 (J)
9/9/2020		<1

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	575 (o)	
6/22/2016	470	
8/16/2016	360	
10/6/2016	300	
12/1/2016	340	
2/9/2017	350	
4/6/2017	380	
6/21/2017	490	
10/5/2017	380	
3/22/2018	400	
10/3/2018	270	
3/27/2019		260
9/11/2019		130
3/18/2020		170
9/9/2020		110

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	32.7	
10/10/2016	33	
12/1/2016	31	
2/9/2017	34	
4/7/2017	37	
6/21/2017	35	
8/15/2017	42	
9/1/2017	40	
3/22/2018	39	
10/4/2018	30	
3/27/2019		18
9/11/2019		32
3/18/2020		16
9/9/2020		11

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/24/2021 10:19 AM View: Mann-Whitney Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	1290	
6/22/2016	1060	
8/16/2016	880	
10/6/2016	820	
12/1/2016	900	
2/9/2017	940	
4/6/2017	1100	
6/21/2017	1200	
10/5/2017	950	
3/22/2018	1000	
10/3/2018	620	
3/27/2019		580
9/11/2019		310
3/18/2020		430
9/9/2020		270

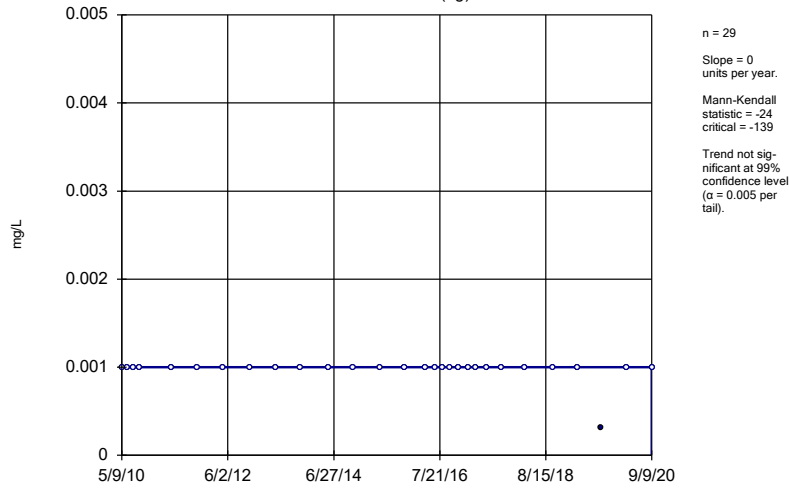
FIGURE F.

Upgradient Wells Trend Tests - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/16/2021, 2:12 PM

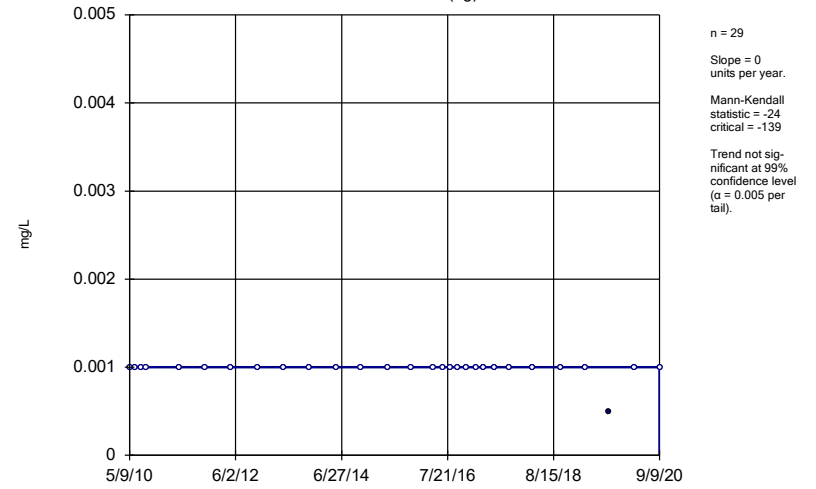
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic, Total (mg/L)	GWA-15 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-16 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Arsenic, Total (mg/L)	GWA-17 (bg)	0	-24	-139	No	29	96.55	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-15 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-16 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Silver (mg/L)	GWA-17 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP

Sen's Slope Estimator GWA-15 (bg)



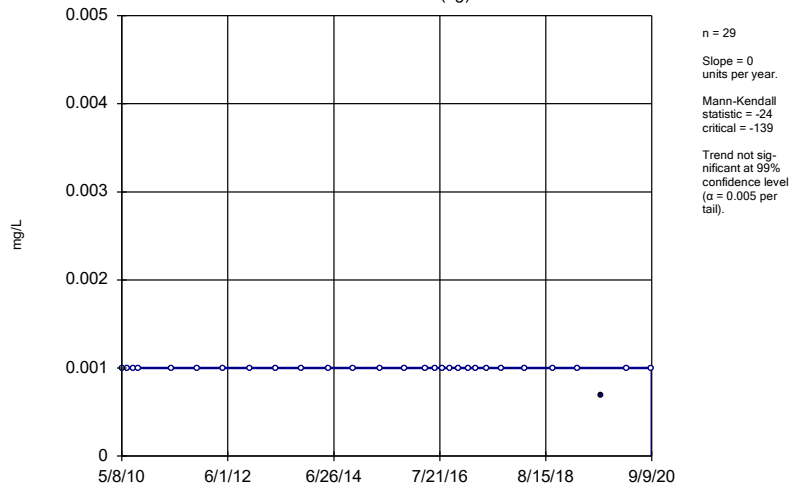
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWA-16 (bg)



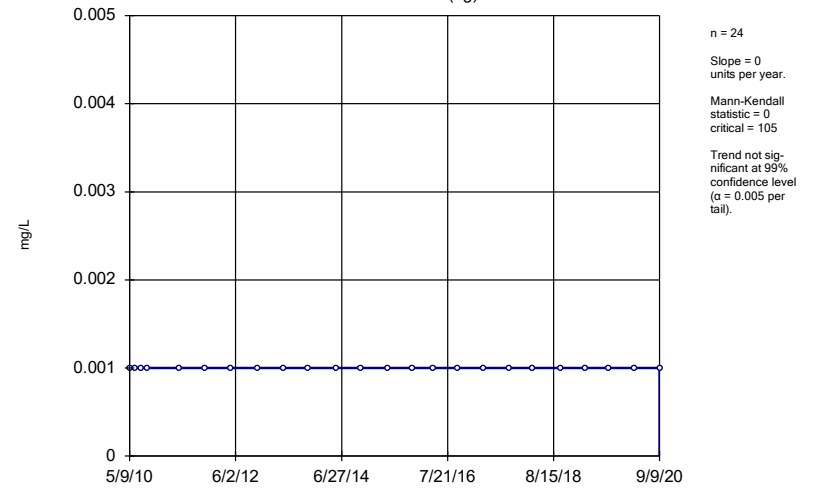
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWA-17 (bg)



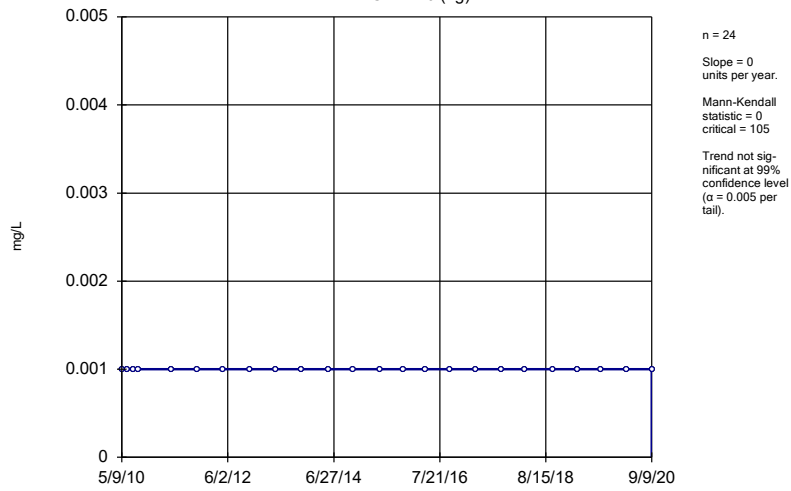
Constituent: Arsenic, Total Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWA-15 (bg)



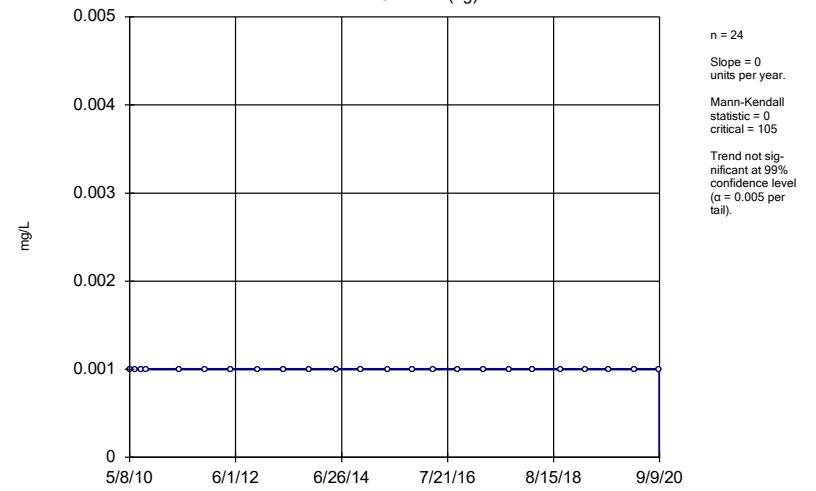
Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWA-16 (bg)



Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWA-17 (bg)



Constituent: Silver Analysis Run 6/16/2021 2:12 PM View: Upgradient Wells Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE G.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, Total (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-12	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-18	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-19	0.002	n/a	4/5/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.0013J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-3	0.002	n/a	4/6/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony, Total (mg/L)	GWC-7	0.002	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-15	0.01222	n/a	4/1/2021	0.0092J	No	29	1.0e-6	3.3e-7	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-16	0.039	n/a	4/1/2021	0.024	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-17	0.05168	n/a	4/1/2021	0.029	No	29	0.03311	0.007355	3.448	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-1	0.05736	n/a	4/1/2021	0.047	No	29	0.04657	0.004275	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-10	0.03499	n/a	4/1/2021	0.034	No	25	0.02434	0.004121	8	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-11	0.02014	n/a	4/1/2021	0.018	No	29	0.000004282	0.0000015386	897	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-12	0.02024	n/a	4/1/2021	0.018	No	29	0.0002401	0.00006713	6.897	None	x^2	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-13	0.04187	n/a	4/6/2021	0.038	No	25	0.3096	0.01457	0	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-14	0.01121	n/a	4/1/2021	0.0095J	No	27	8.3e-7	2.3e-7	3.704	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-18	0.04194	n/a	4/1/2021	0.035	No	29	0.0000432	0.00001211	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-19	0.01999	n/a	4/5/2021	0.028	Yes	25	9.0e-8	2.7e-8	4	None	x^4	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-2	0.05512	n/a	4/1/2021	0.044	No	29	0.04531	0.003886	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-20	0.03633	n/a	4/5/2021	0.029	No	29	0.00002787	0.00000795	3.448	None	x^3	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-3	0.039	n/a	4/6/2021	0.014	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWC-4	0.05318	n/a	4/2/2021	0.047	No	29	0.0383	0.005897	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-5	0.1279	n/a	4/1/2021	0.04	No	29	0.1968	0.06373	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-6	0.06608	n/a	4/5/2021	0.054	No	29	0.05388	0.004831	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-7	0.04238	n/a	4/1/2021	0.036	No	29	0.03227	0.004007	0	None	No	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-8A	0.1198	n/a	4/5/2021	0.045	No	29	0.2032	0.05658	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-9	0.03624	n/a	4/1/2021	0.018	No	29	0.02271	0.005359	3.448	None	No	0.0001937	Param Intra 1 of 2
Beryllium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-7	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-8A	0.0025	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-15	0.0036	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-16	0.008833	n/a	4/1/2021	0.0053	No	29	0.06962	0.009652	3.448	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-17	0.0117	n/a	4/1/2021	0.0082	No	29	0.007027	0.001851	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-1	0.01967	n/a	4/1/2021	0.014	No	29	0.01183	0.003104	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-10	0.02162	n/a	4/1/2021	0.02	No	25	0.01381	0.003022	0	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-11	0.012	n/a	4/1/2021	0.0078	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-12	0.0036	n/a	4/1/2021	0.0015J	No	29	n/a	n/a	41.38	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-13	0.009035	n/a	4/6/2021	0.0061	No	28	0.06874	0.01036	0	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-14	0.0038	n/a	4/1/2021	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWC-18	0.02	n/a	4/1/2021	0.014	No	29	n/a	n/a	0	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-19	0.01516	n/a	4/5/2021	0.012	No	29	0.009037	0.002426	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-2	0.01406	n/a	4/1/2021	0.0057	No	29	0.009993	0.00161	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-20	0.01426	n/a	4/5/2021	0.008	No	29	0.009105	0.002041	6.897	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-3	0.022	n/a	4/6/2021	0.0074	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-4	0.01042	n/a	4/2/2021	0.0052	No	29	0.006141	0.001695	3.448	None	No	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-5	0.01111	n/a	4/1/2021	0.0058	No	29	-5.492	0.393	3.448	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-6	0.012	n/a	4/5/2021	0.005	No	29	n/a	n/a	6.897	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-7	0.01648	n/a	4/1/2021	0.0091	No	29	-4.614	0.2014	0	None	ln(x)	0.0001937	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-8A	0.023	n/a	4/5/2021	0.002ND	No	28	n/a	n/a	39.29	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-9	0.01258	n/a	4/1/2021	0.0018J	No	29	0.007675	0.001942	3.448	None	No	0.0001937	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-15	0.0025	n/a	4/1/2021	0.0024J	No	28	n/a	n/a	53.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-16	0.0025	n/a	4/1/2021	0.00014J	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt, Total (mg/L)	GWA-17	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-1	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-11	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-12	0.00057	n/a	4/1/2021	0.00028J	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-19	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-2	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-20	0.0025	n/a	4/5/2021	0.0025ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-3	0.00042	n/a	4/6/2021	0.00031J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-4	0.0025	n/a	4/2/2021	0.00026J	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-5	0.0025	n/a	4/1/2021	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-6	0.0025	n/a	4/5/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-7	0.0004	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-8A	0.0046	n/a	4/5/2021	0.0026	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWC-9	0.0025	n/a	4/1/2021	0.00015J	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	4/1/2021	0.00074J	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-17	0.002	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0024	n/a	4/6/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.0021	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0025	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-2	0.002	n/a	4/1/2021	0.00069J	No	24	n/a	n/a	100	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0021	n/a	4/5/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-3	0.0042	n/a	4/6/2021	0.00088J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-4	0.0039	n/a	4/2/2021	0.0012J	No	24	n/a	n/a	50	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-6	0.0037	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.0026	n/a	4/1/2021	0.00094J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8A	0.18	n/a	4/5/2021	0.002ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-9	0.0038	n/a	4/1/2021	0.002ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-11	0.0017	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-19	0.0015	n/a	4/5/2021	0.00014J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-3	0.001	n/a	4/6/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-8A	0.0012	n/a	4/5/2021	0.00034J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-15	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-16	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-17	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-1	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-14	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-2	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-3	0.0002	n/a	4/6/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-4	0.0002	n/a	4/2/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	6/2/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-7	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8A	0.0002	n/a	6/1/2021	0.0002ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	4/1/2021	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.00202	n/a	4/1/2021	0.00049J	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-17	0.0012	n/a	4/1/2021	0.0004J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0018	n/a	4/1/2021	0.00073J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.00271	n/a	4/1/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0018	n/a	4/1/2021	0.00065J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.0018	n/a	4/6/2021	0.00053J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.001	n/a	4/1/2021	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0018	n/a	4/5/2021	0.00047J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-2	0.0023	n/a	4/1/2021	0.0022	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.003	n/a	4/5/2021	0.00048J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-3	0.0035	n/a	4/6/2021	0.0018	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-4	0.0036	n/a	4/2/2021	0.0012	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.00268	n/a	4/1/2021	0.00042J	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.0053	n/a	4/5/2021	0.00088J	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.0044	n/a	4/1/2021	0.00036J	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8A	0.0069	n/a	4/5/2021	0.0058	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-9	0.001	n/a	4/1/2021	0.00058J	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-15	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-17	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-1	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-11	0.005	n/a	4/1/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-12	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-14	0.0052	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-18	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-19	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-3	0.005	n/a	4/6/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-6	0.007	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	75.86	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-7	0.0053	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-8A	0.005	n/a	4/5/2021	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-9	0.0065	n/a	4/1/2021	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-15	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-16	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-17	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.00027J	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-19	0.001	n/a	4/5/2021	0.00032J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.0003J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-8A	0.001	n/a	4/5/2021	0.00081J	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0035	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.01241	n/a	4/1/2021	0.0078	No	24	0.007244	0.001978	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWA-17	0.009964	n/a	4/1/2021	0.005	No	24	0.06396	0.01374	16.67	Kaplan-Meier	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-1	0.02568	n/a	4/1/2021	0.019	No	24	0.01527	0.003991	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-10	0.018	n/a	4/1/2021	0.013	No	24	0.01197	0.002311	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.01477	n/a	4/1/2021	0.011	No	24	0.01047	0.001648	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-12	0.0052	n/a	4/1/2021	0.001ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0062	n/a	4/6/2021	0.0028	No	24	n/a	n/a	70.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

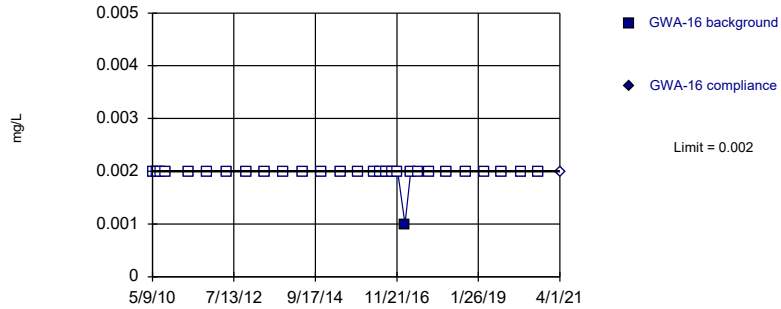
Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 9:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-14	0.0062	n/a	4/1/2021	0.0013	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01191	n/a	4/1/2021	0.0081	No	24	0.1875	0.01567	4.167	None	x^(1/3)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.01075	n/a	4/5/2021	0.0068	No	24	0.007178	0.001371	0	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-2	0.02033	n/a	4/1/2021	0.014	No	24	0.01352	0.00261	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-20	0.02389	n/a	4/5/2021	0.017	No	24	0.01733	0.002514	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-3	0.01131	n/a	4/6/2021	0.0075	No	23	0.08012	0.009969	4.348	None	sqrt(x)	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-4	0.01219	n/a	4/2/2021	0.0081	No	24	0.007693	0.001725	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-5	0.006806	n/a	4/1/2021	0.0027	No	24	0.003039	0.001444	25	Kaplan-Meier	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.01371	n/a	4/5/2021	0.0091	No	24	0.008936	0.001829	4.167	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-7	0.01729	n/a	4/1/2021	0.014	No	24	0.0001713	0.0000489	4.167	None	x^2	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8A	0.04443	n/a	4/5/2021	0.0023	No	21	0.01412	0.01131	9.524	None	No	0.0001937	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.02794	n/a	4/1/2021	0.0095	No	24	0.01653	0.004374	4.167	None	No	0.0001937	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.006	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-16	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-17	0.0084	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	87.5	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-1	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.018	n/a	4/1/2021	0.0034J	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0065	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	83.33	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	4/6/2021	0.004J	No	24	n/a	n/a	79.17	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0077	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.0059	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-2	0.005	n/a	4/1/2021	0.01	Yes	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.0065	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-3	0.0069	n/a	4/6/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-4	0.006	n/a	4/2/2021	0.005ND	No	24	n/a	n/a	91.67	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.0089	n/a	4/1/2021	0.005ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0062	n/a	4/5/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.0074	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8A	0.085	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.005	n/a	4/1/2021	0.005ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric

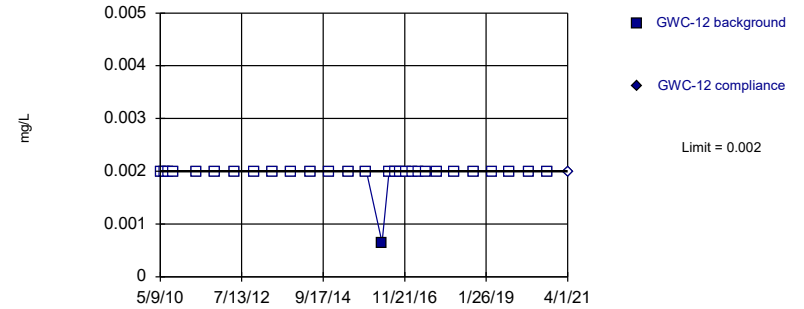


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

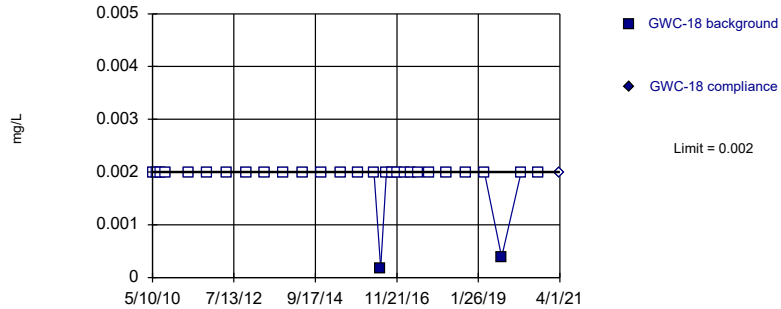


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

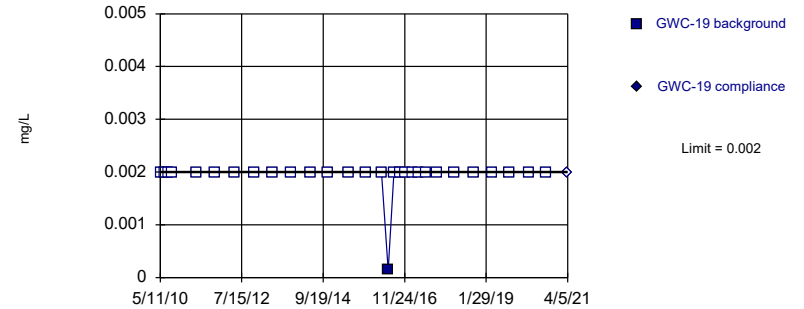


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

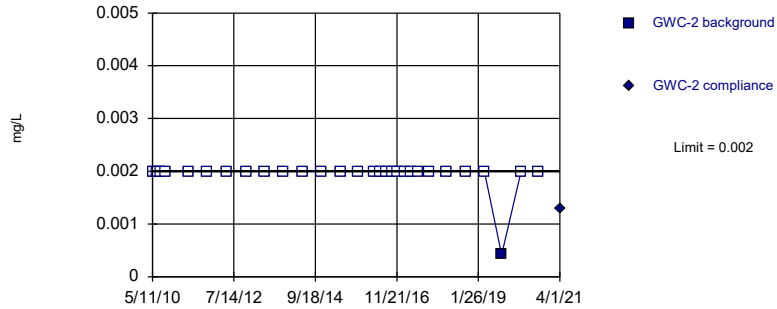


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

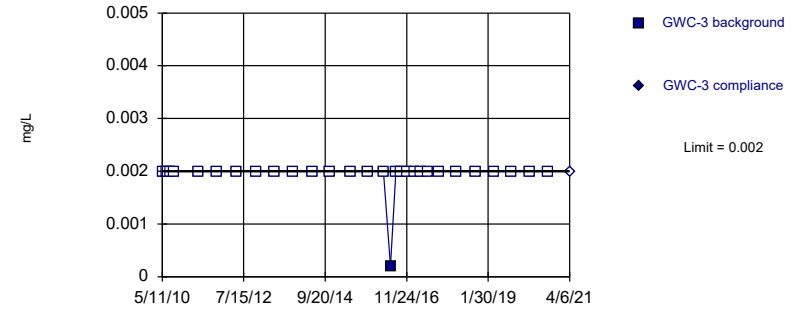


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

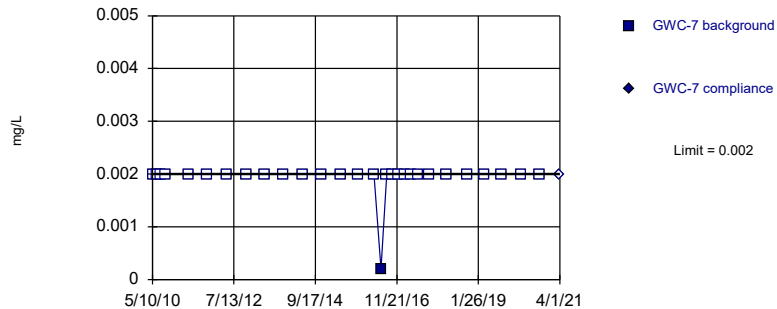


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

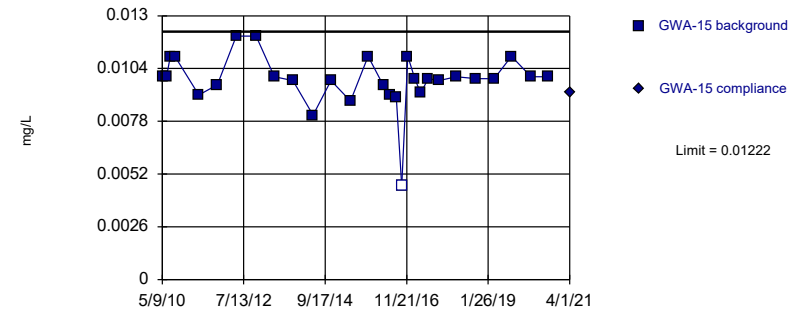


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

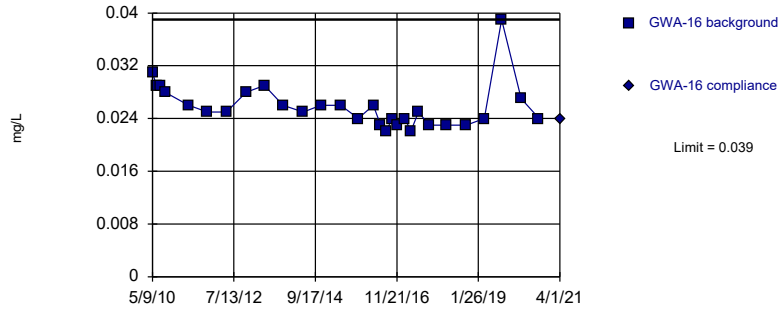


Background Data Summary (based on cube transformation): Mean=1.0e-6, Std. Dev.=3.3e-7, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9129, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

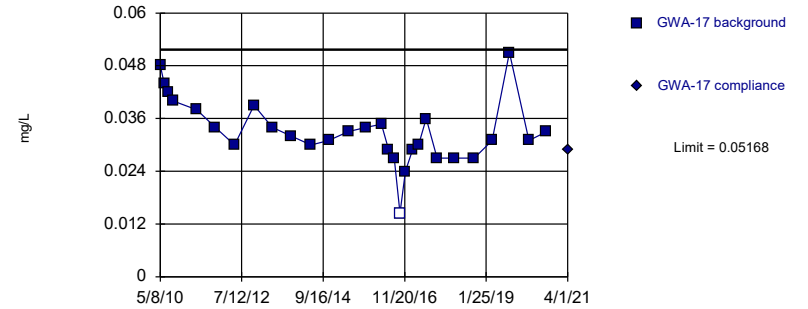


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

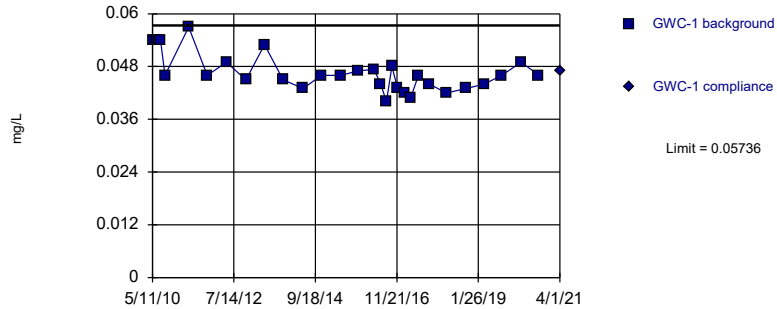


Background Data Summary: Mean=0.03311, Std. Dev.=0.007355, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

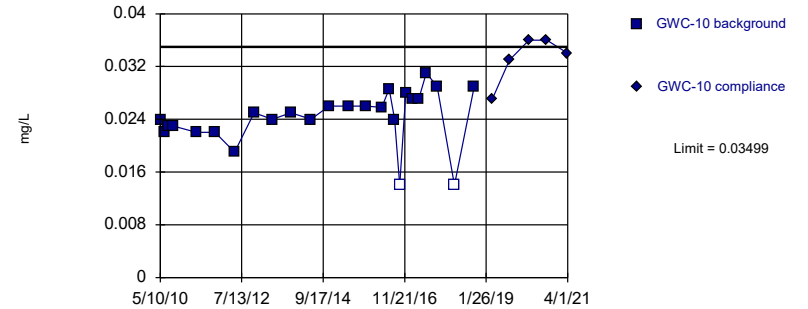


Background Data Summary: Mean=0.04657, Std. Dev.=0.004275, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9101, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

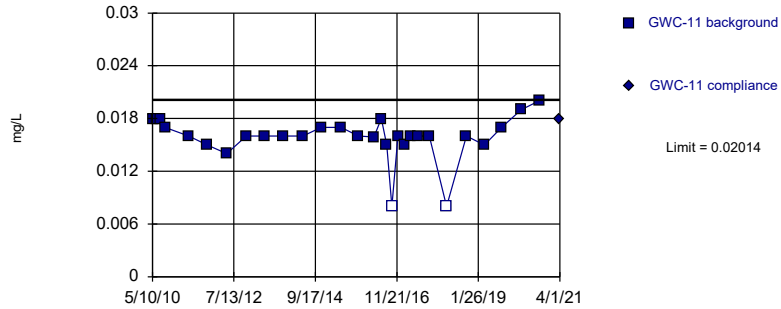


Background Data Summary: Mean=0.02434, Std. Dev.=0.004121, n=25, 8% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

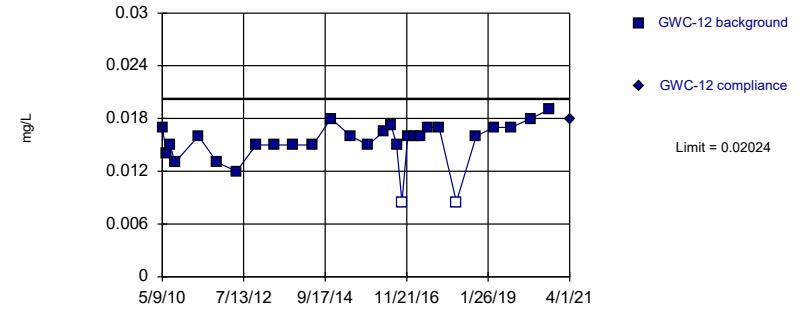


Background Data Summary (based on cube transformation): Mean=0.000004282, Std. Dev.=0.000001538, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9008, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

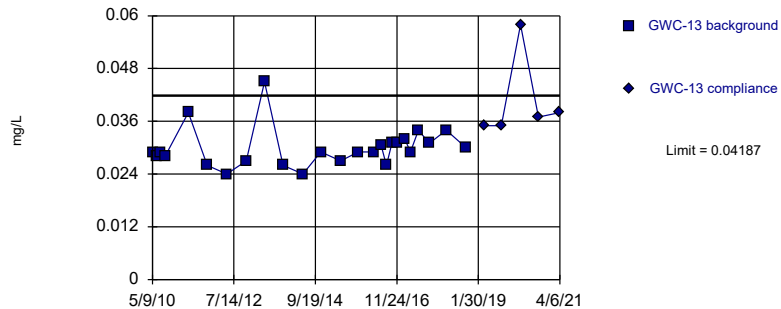


Background Data Summary (based on square transformation): Mean=0.0002401, Std. Dev.=0.00006713, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9197, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

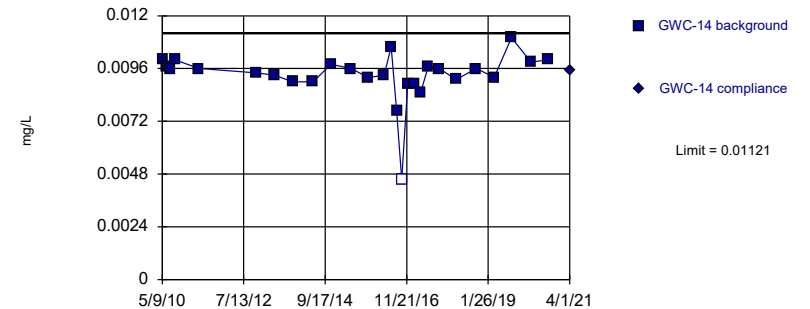


Background Data Summary (based on cube root transformation): Mean=0.3096, Std. Dev.=0.01457, n=25, Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8937, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

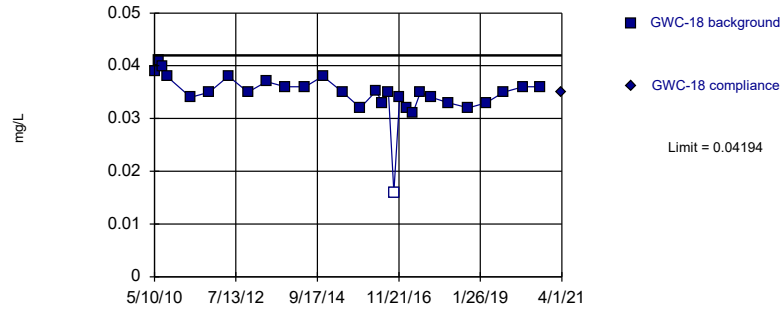


Background Data Summary (based on cube transformation): Mean=8.3e-7, Std. Dev.=2.3e-7, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9, critical = 0.894. Kappa = 2.555 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

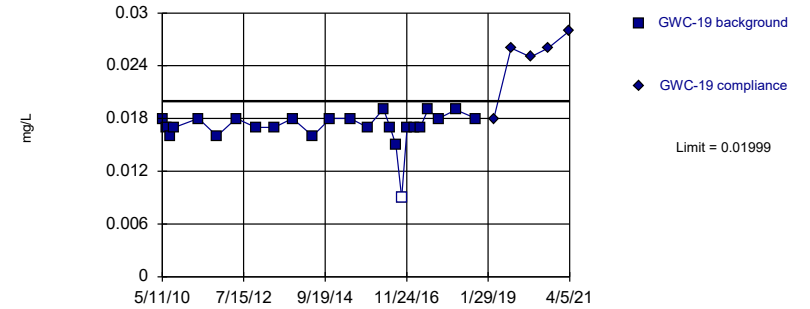


Background Data Summary (based on cube transformation): Mean=0.0000432, Std. Dev.=0.00001211, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

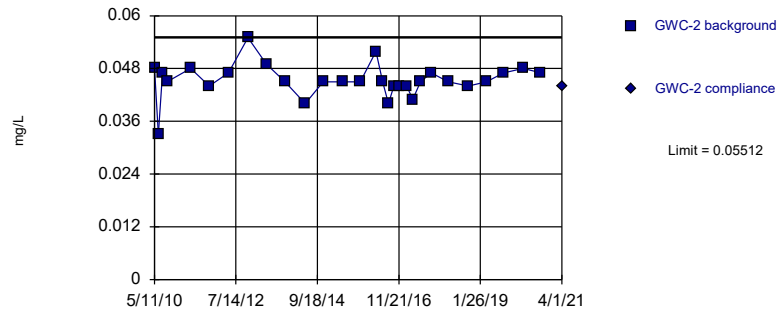


Background Data Summary (based on x^4 transformation): Mean=9.0e-8, Std. Dev.=2.7e-8, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8905, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

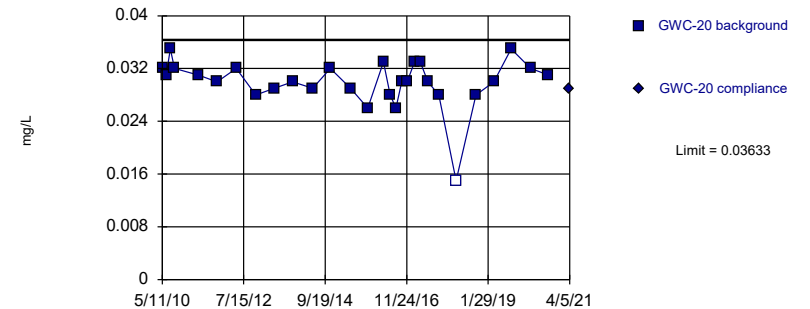


Background Data Summary: Mean=0.04531, Std. Dev.=0.003886, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

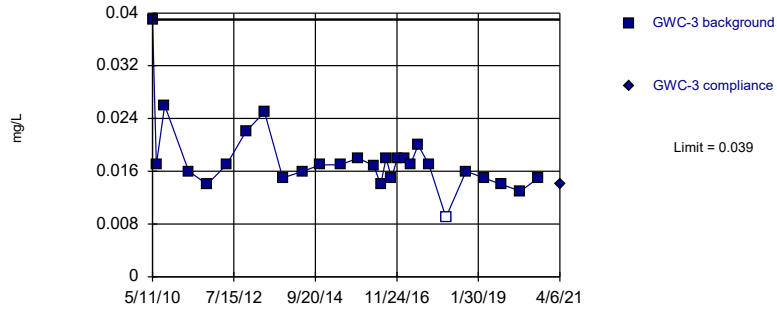


Background Data Summary (based on cube transformation): Mean=0.00002787, Std. Dev.=0.00000795, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

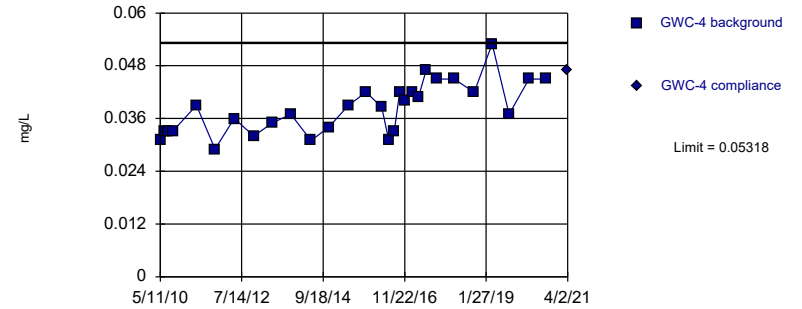


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

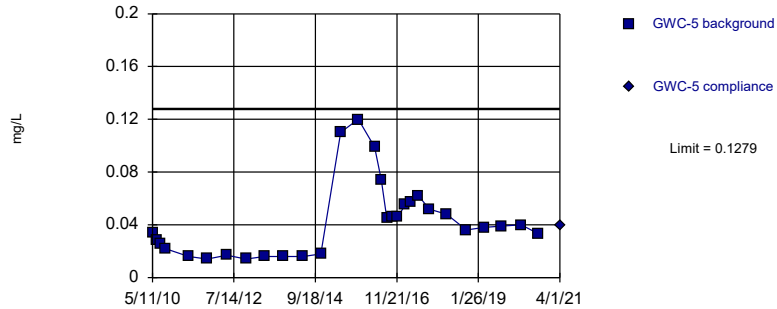


Background Data Summary: Mean=0.0383, Std. Dev.=0.005897, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

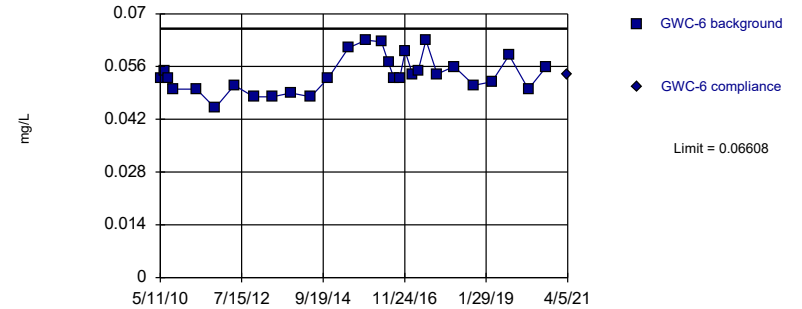


Background Data Summary (based on square root transformation): Mean=0.1968, Std. Dev.=0.06373, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9165, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

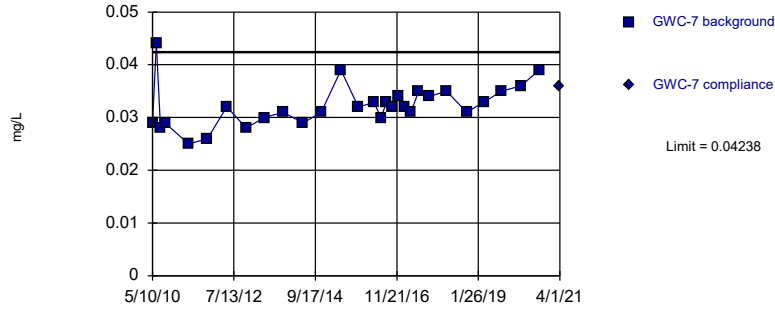


Background Data Summary: Mean=0.05388, Std. Dev.=0.004831, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Parametric

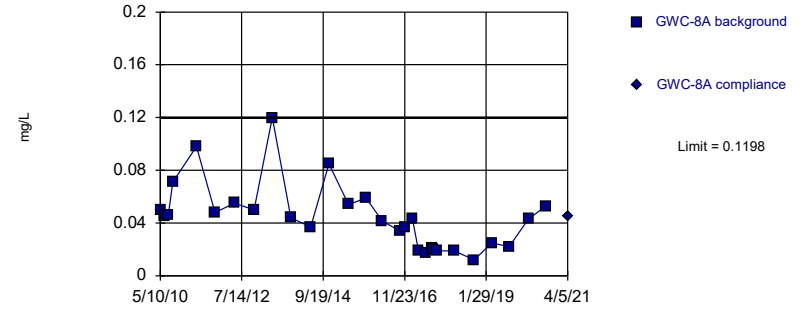


Background Data Summary: Mean=0.03227, Std. Dev.=0.004007, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Parametric

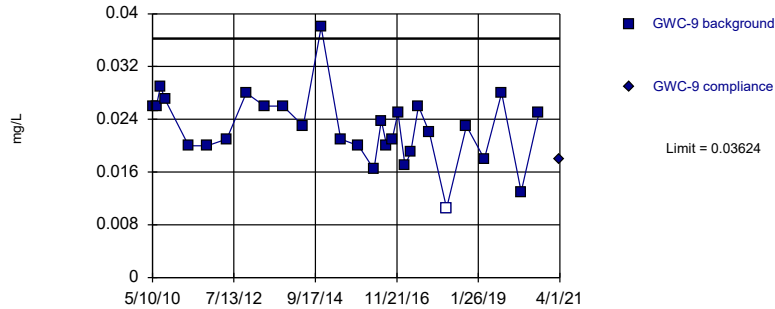


Background Data Summary (based on square root transformation): Mean=0.2032, Std. Dev.=0.05658, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Parametric

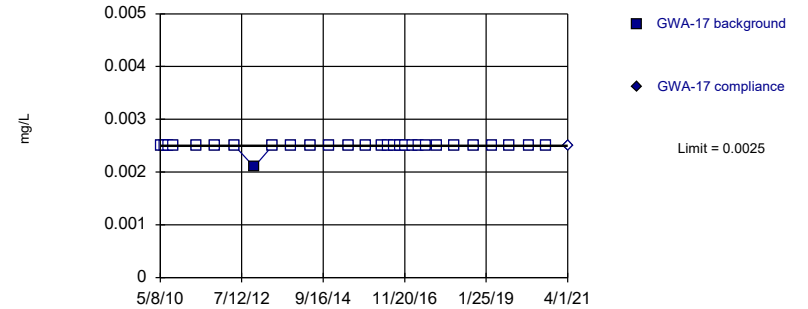


Background Data Summary: Mean=0.02271, Std. Dev.=0.005359, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Barium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

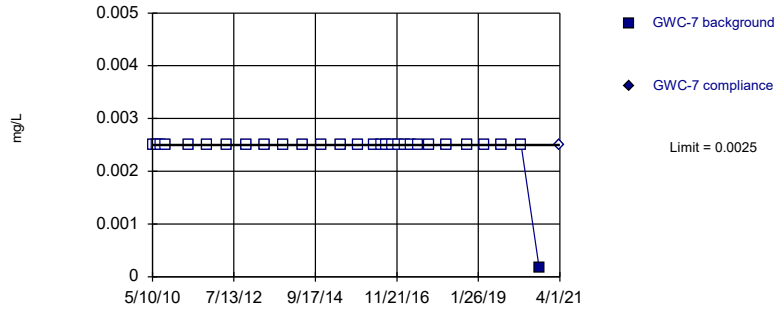


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

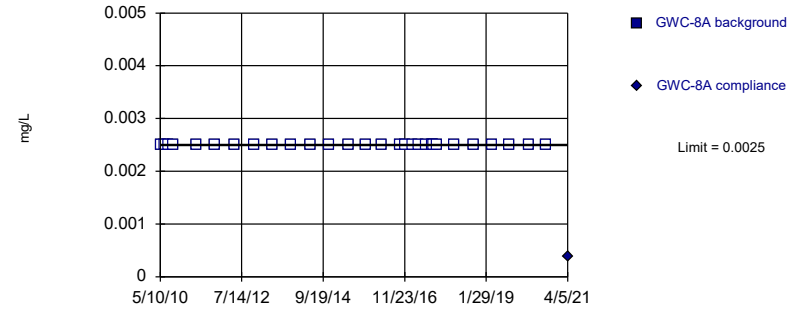


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

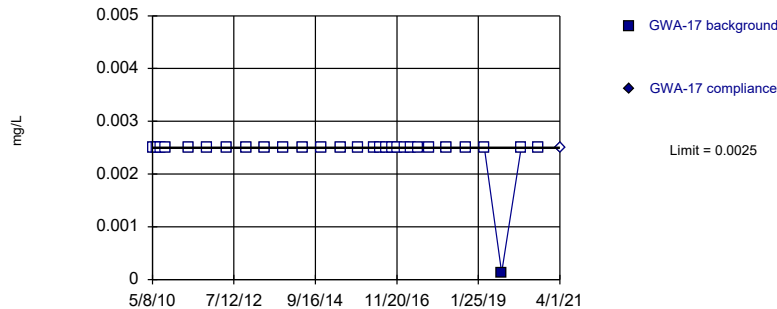


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

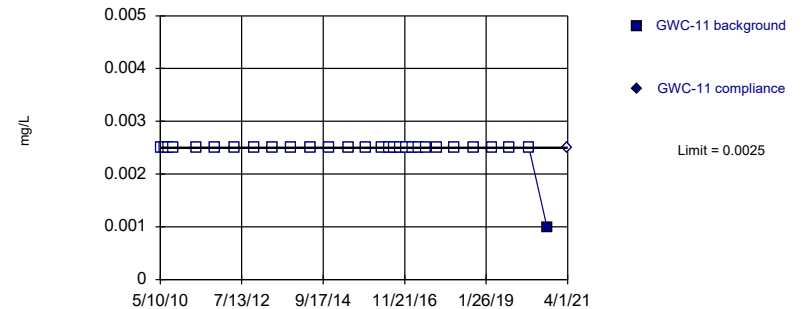


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

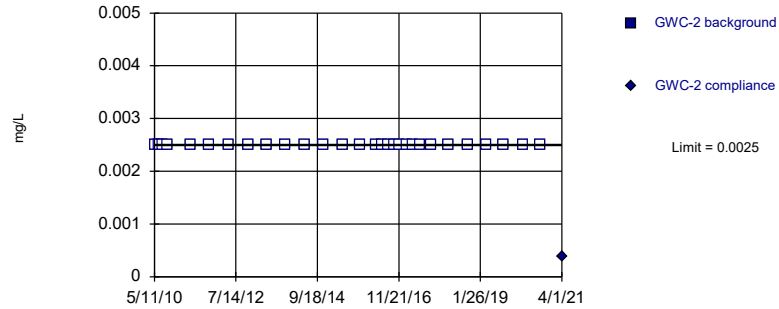


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

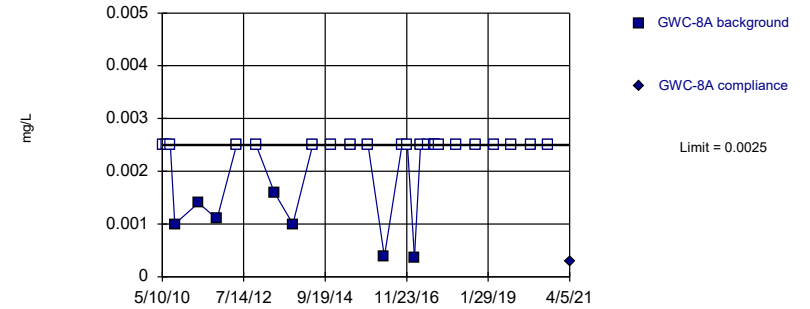


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

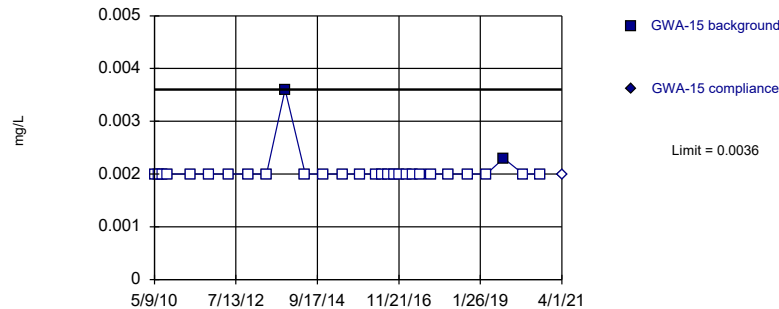


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

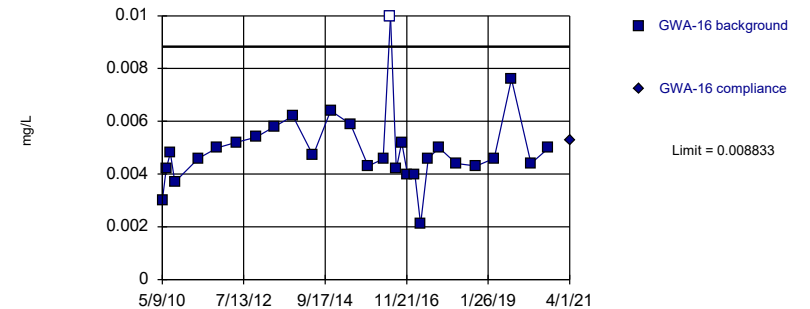


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

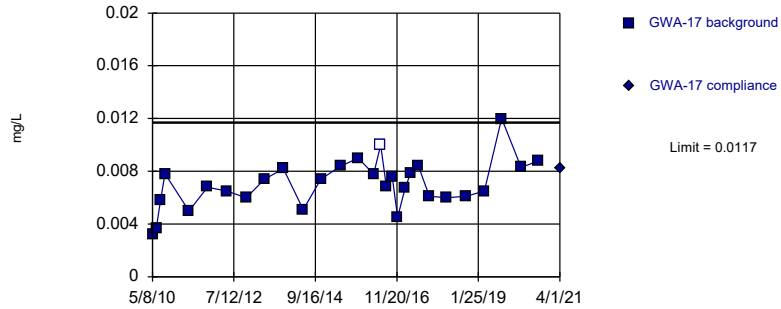


Background Data Summary (based on square root transformation): Mean=0.06962, Std. Dev.=0.009652, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

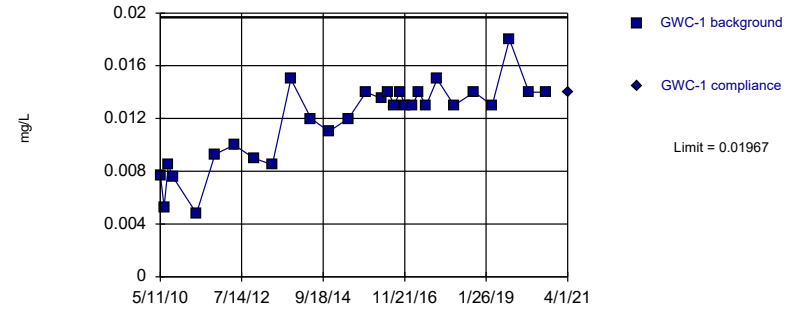


Background Data Summary: Mean=0.007027, Std. Dev.=0.001851, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9797, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:49 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

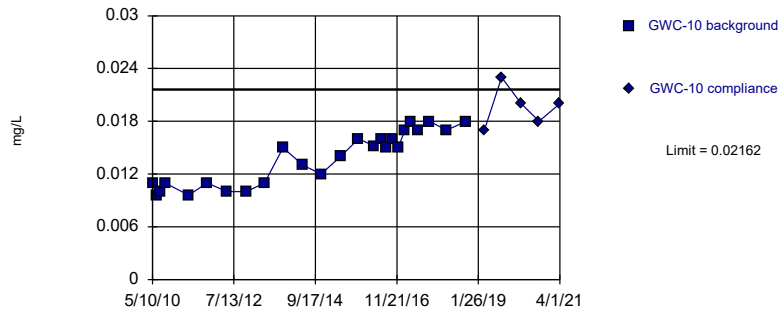


Background Data Summary: Mean=0.01183, Std. Dev.=0.003104, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9149, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

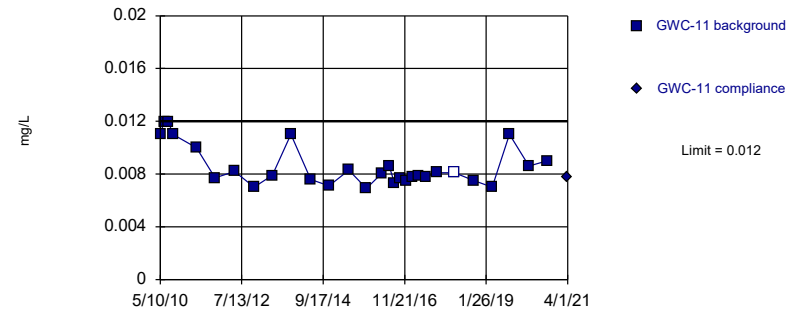


Background Data Summary: Mean=0.01381, Std. Dev.=0.003022, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8903, critical = 0.888. Kappa = 2.585 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

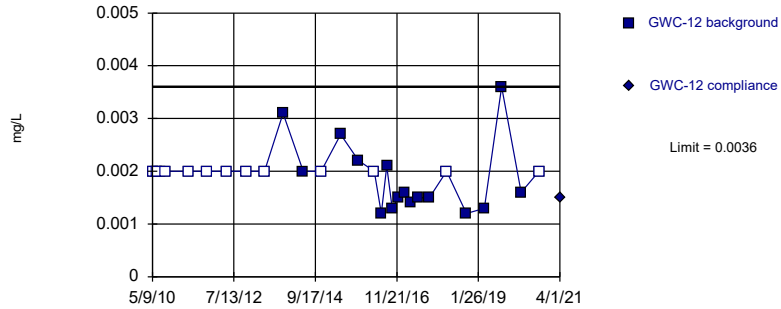


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 3.448% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

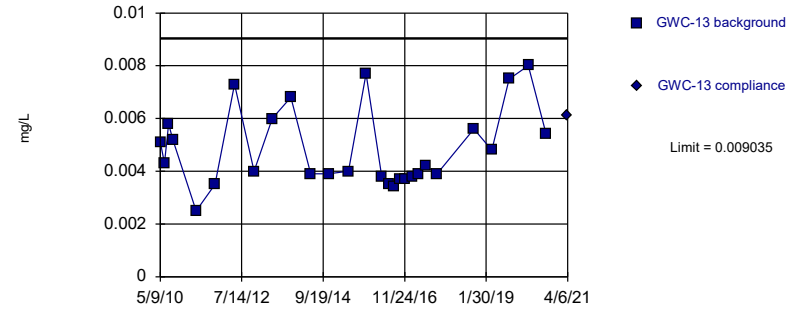


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 41.38% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

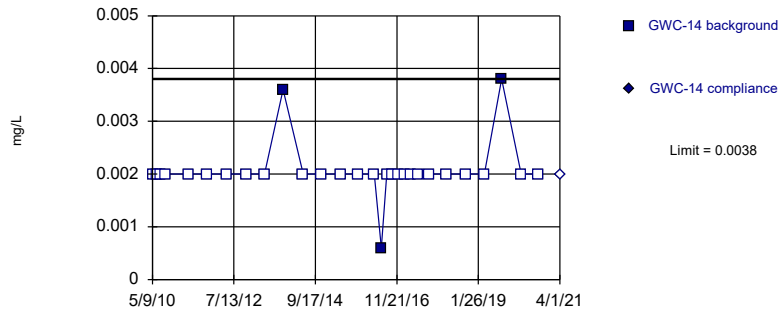


Background Data Summary (based on square root transformation): Mean=0.06874, Std. Dev.=0.01036, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9091, critical = 0.896. Kappa = 2.539 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

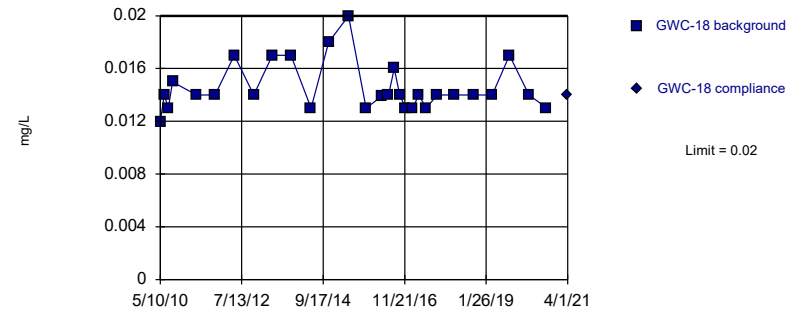


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

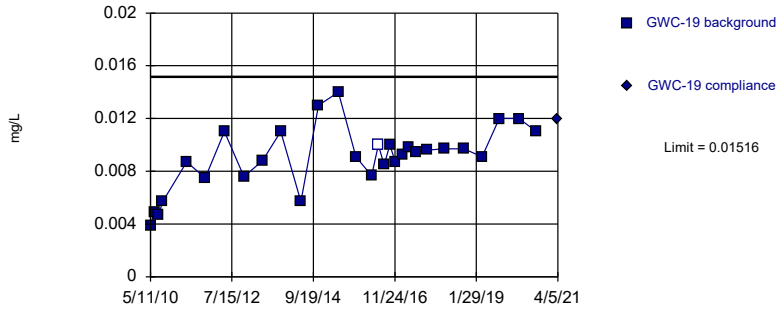


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

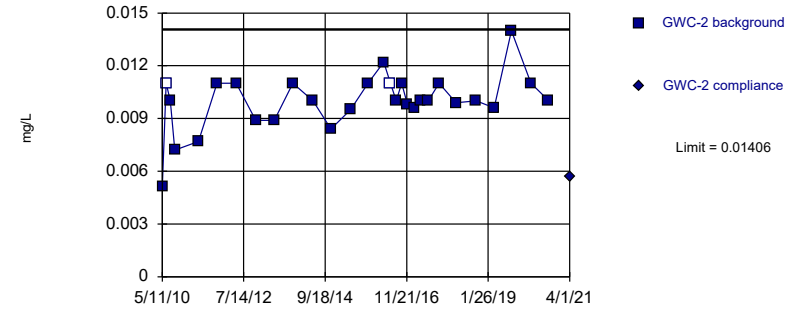


Background Data Summary: Mean=0.009037, Std. Dev.=0.002426, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9639, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

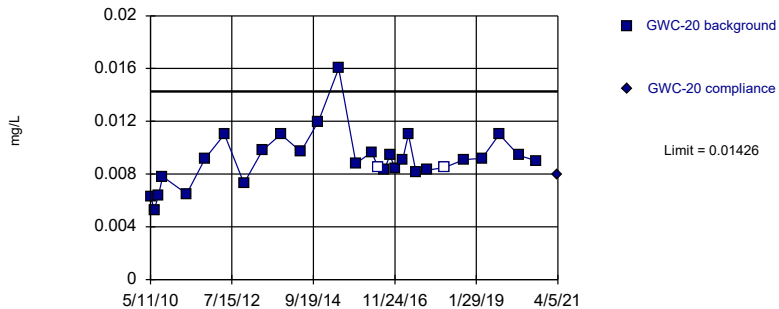


Background Data Summary: Mean=0.009993, Std. Dev.=0.00161, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9049, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

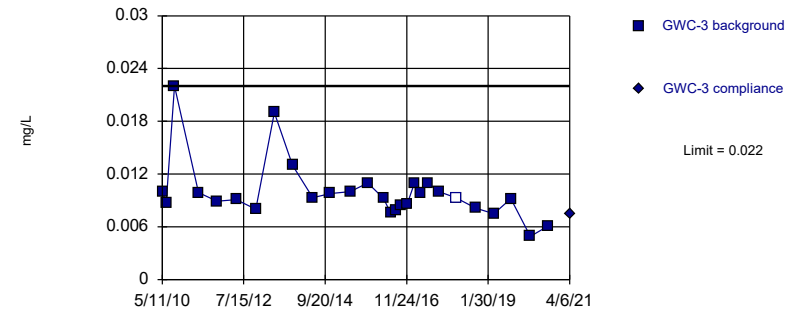


Background Data Summary: Mean=0.009105, Std. Dev.=0.002041, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9156, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

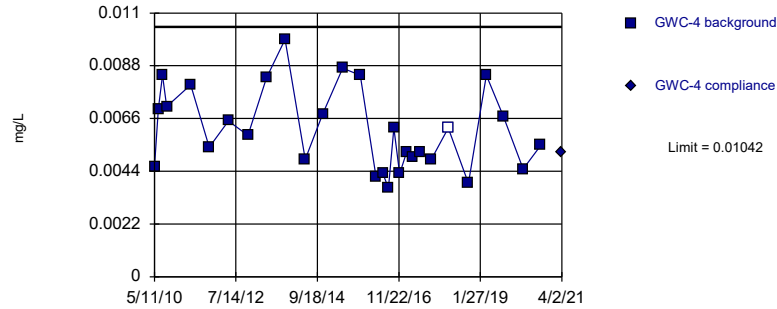


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

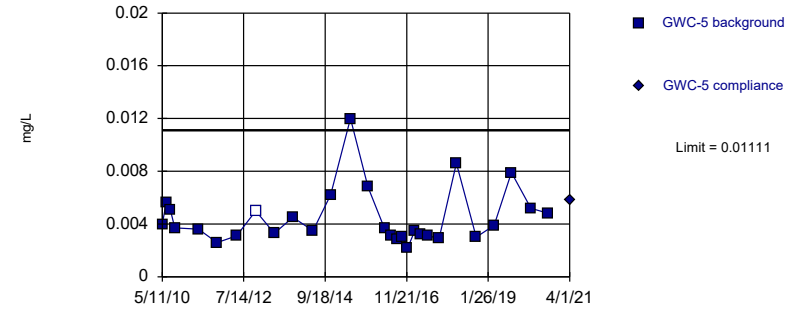


Background Data Summary: Mean=0.006141, Std. Dev.=0.001695, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

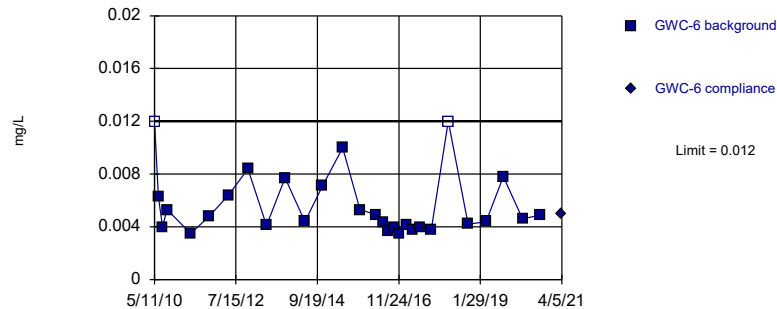


Background Data Summary (based on natural log transformation): Mean=-5.492, Std. Dev.=0.393, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9296, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

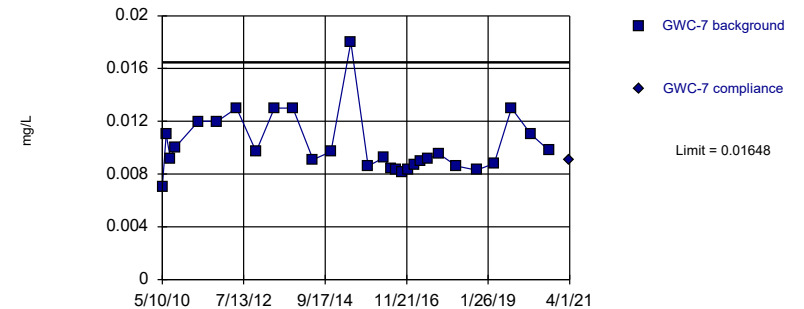


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 6.897% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

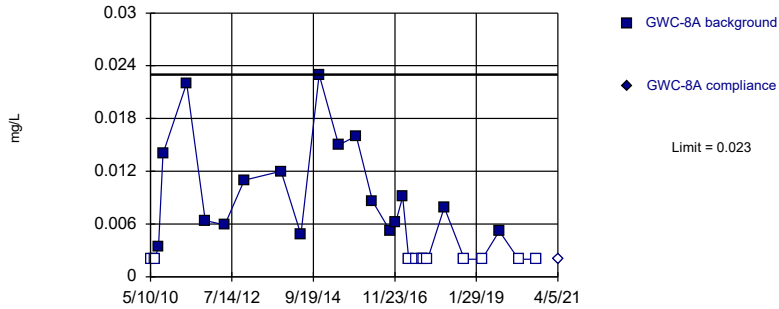


Background Data Summary (based on natural log transformation): Mean=-4.614, Std. Dev.=0.2014, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

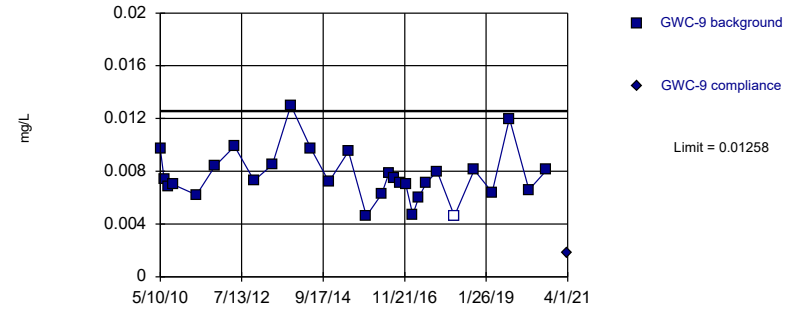


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 39.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

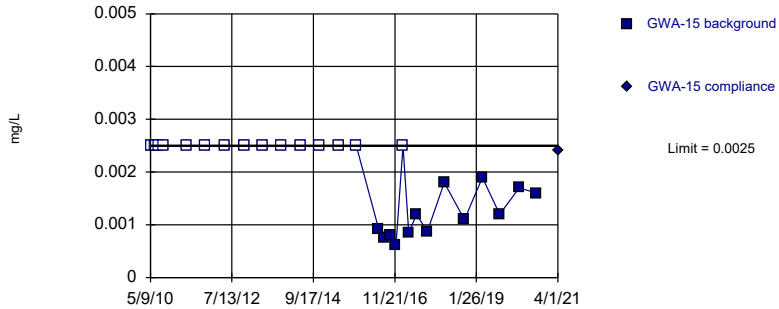


Background Data Summary: Mean=0.007675, Std. Dev.=0.001942, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.898. Kappa = 2.524 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Chromium, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

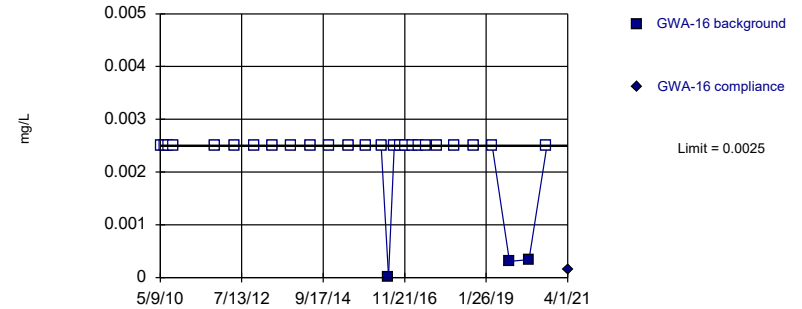


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 53.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

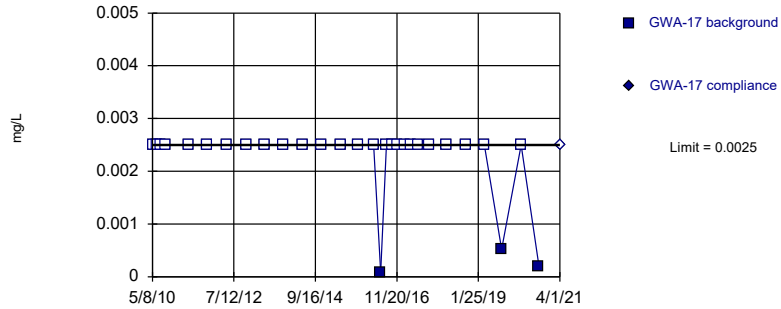


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

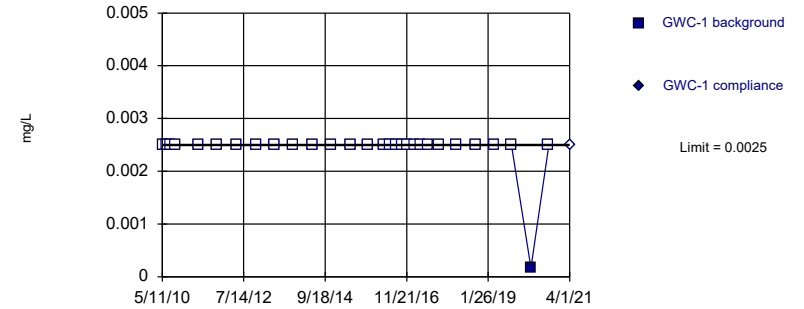


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

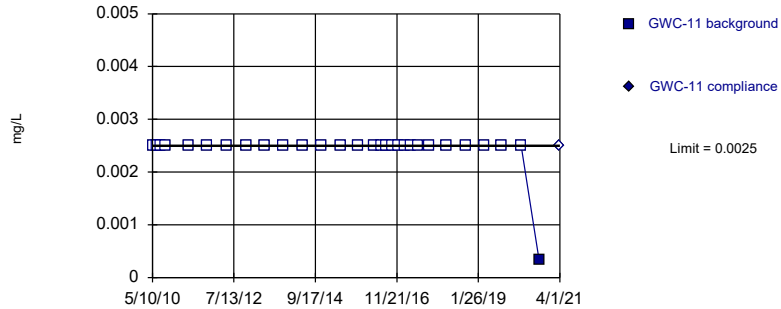


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

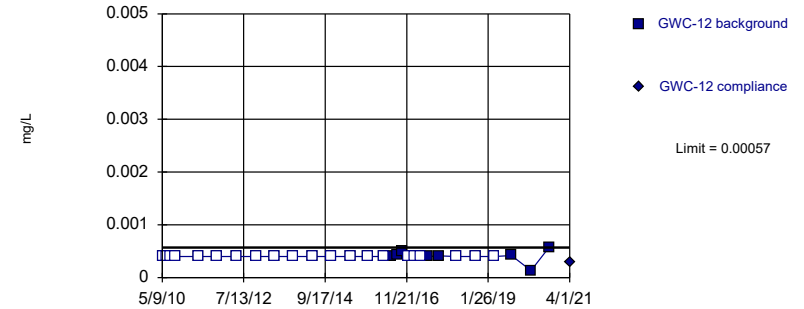


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

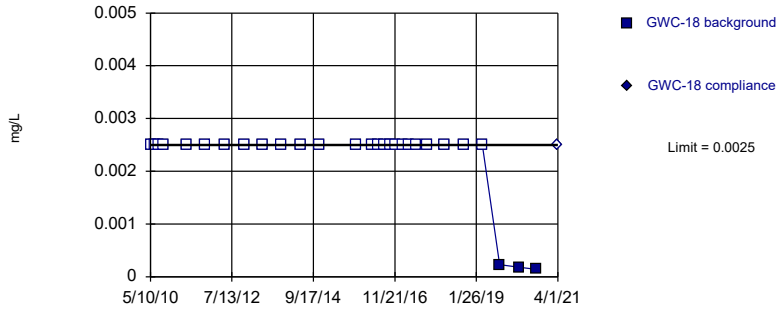


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 72.41% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

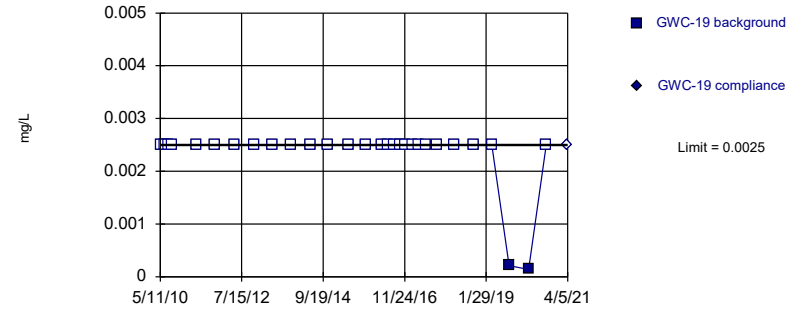


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

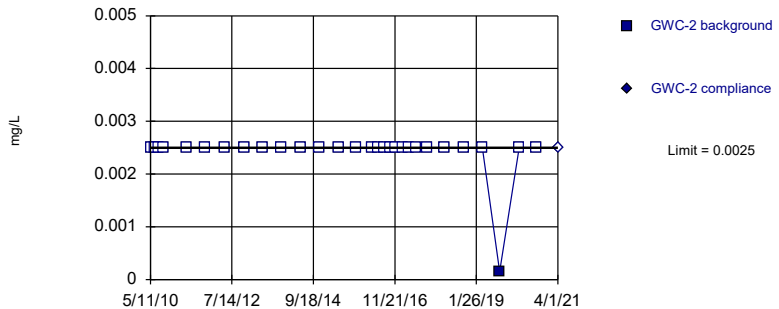


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

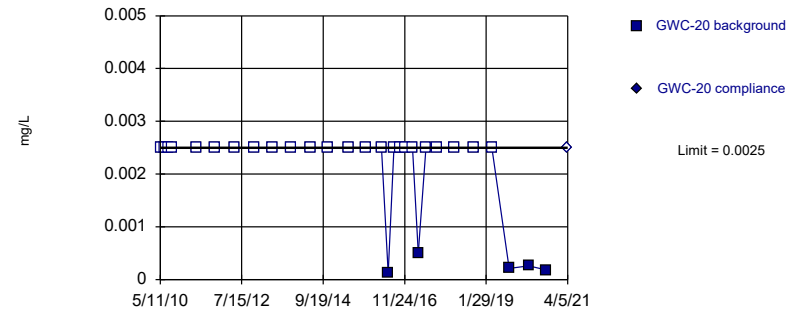


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

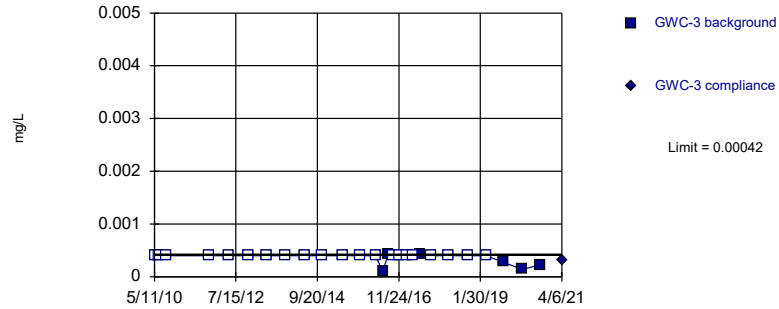


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

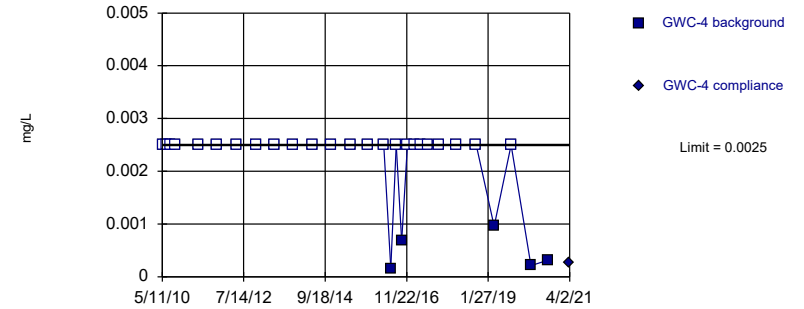


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

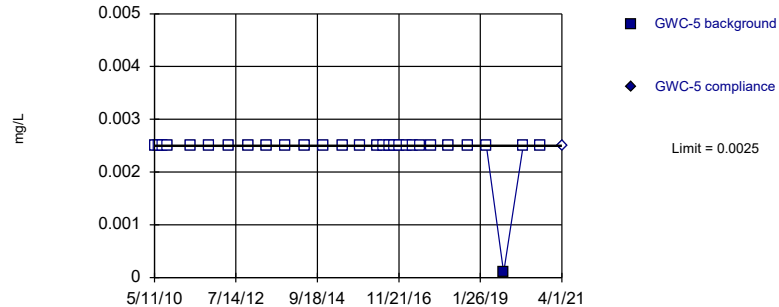


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

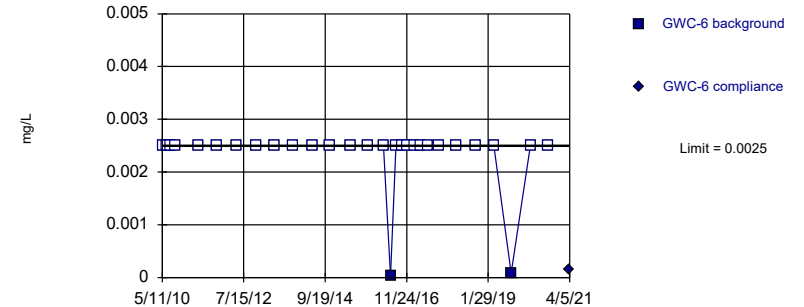


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

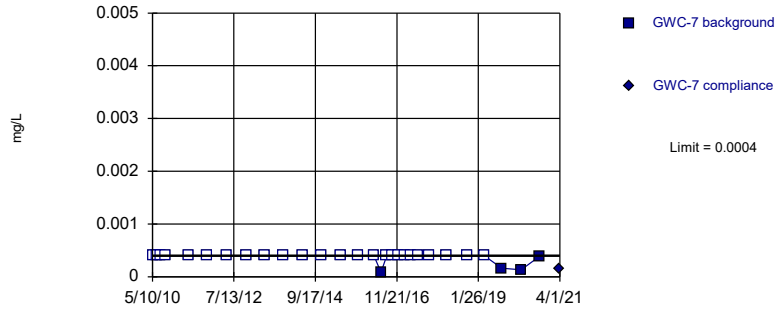


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

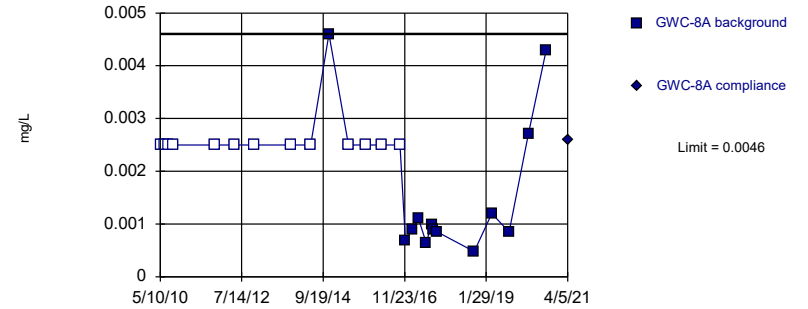


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

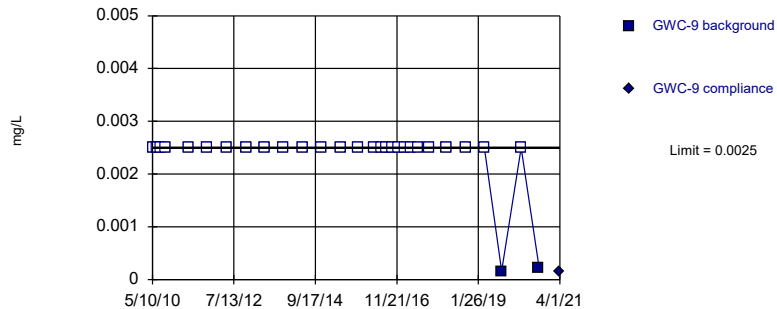


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

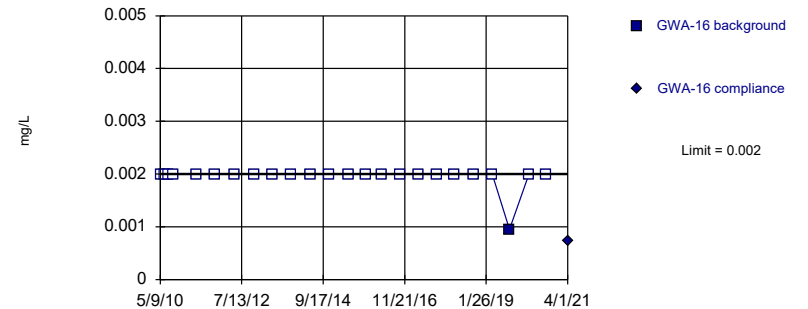


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

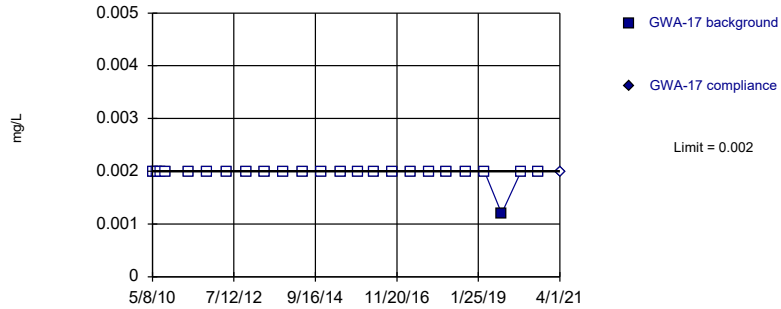


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

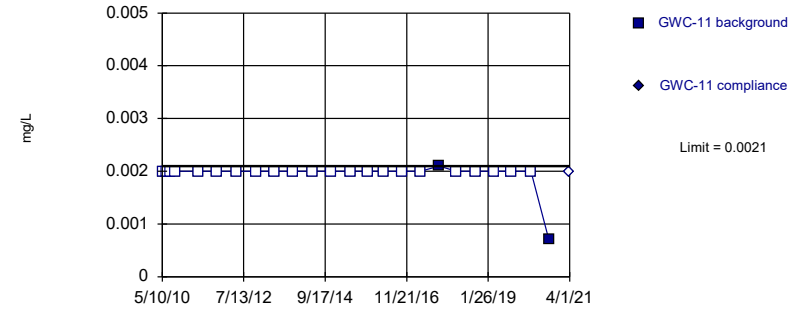


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

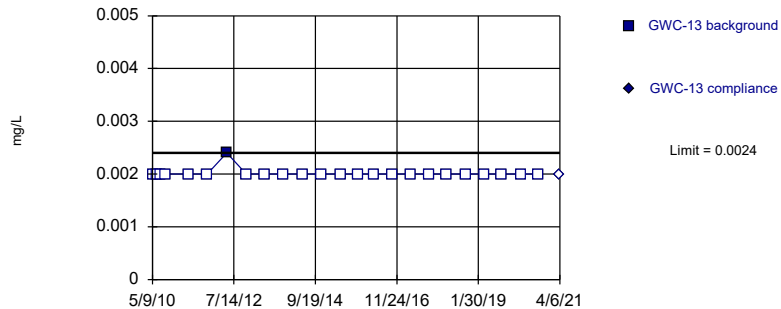


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

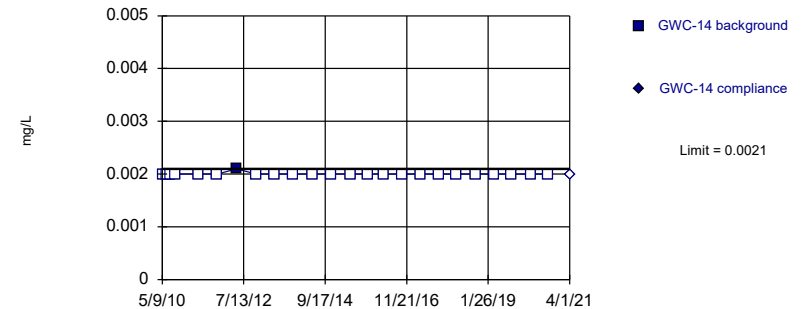


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

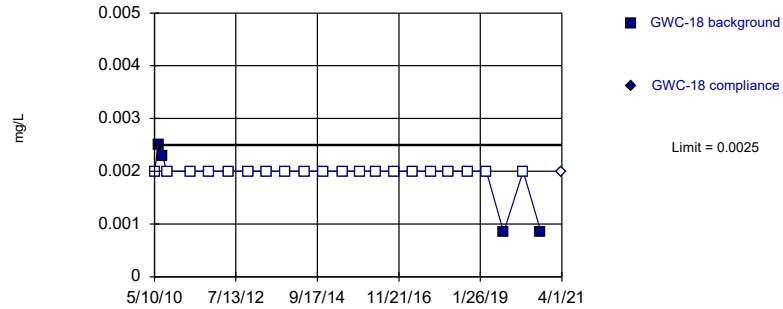


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

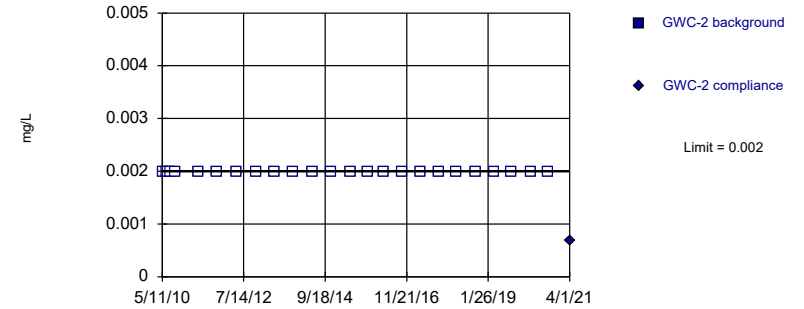


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

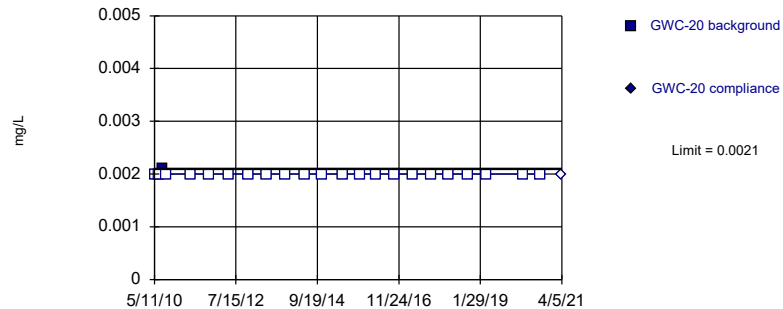


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 24) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

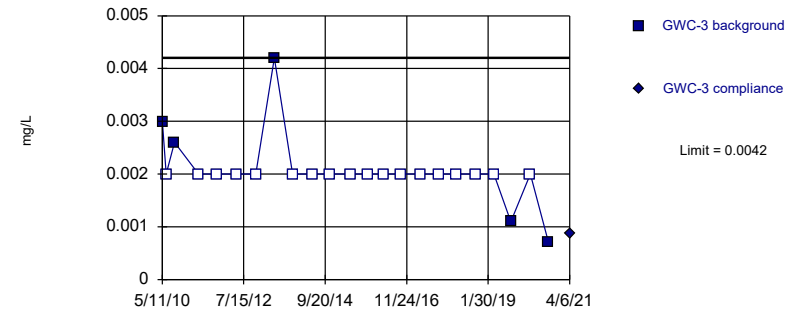


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

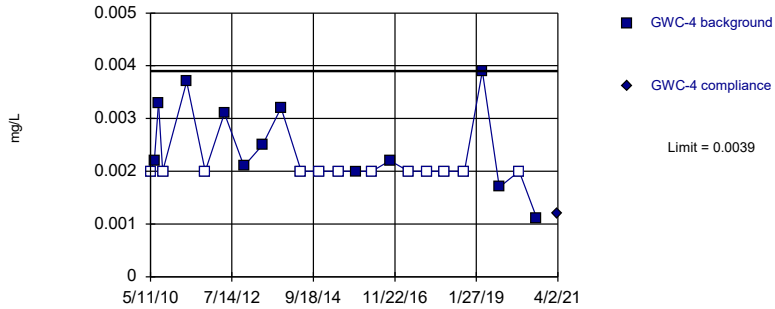


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

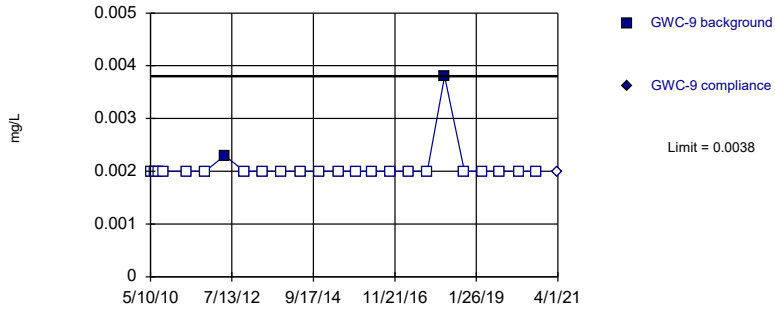
Within Limit

Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

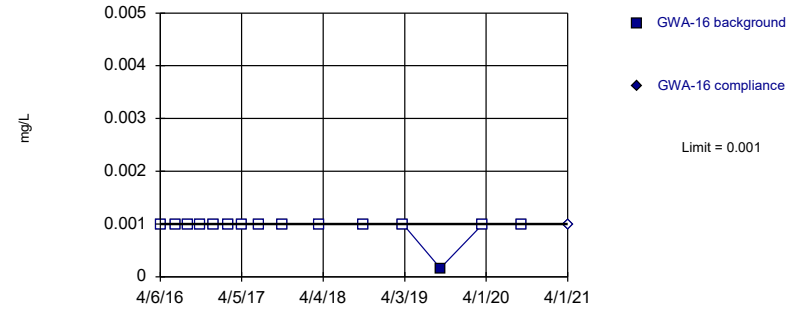


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Copper Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

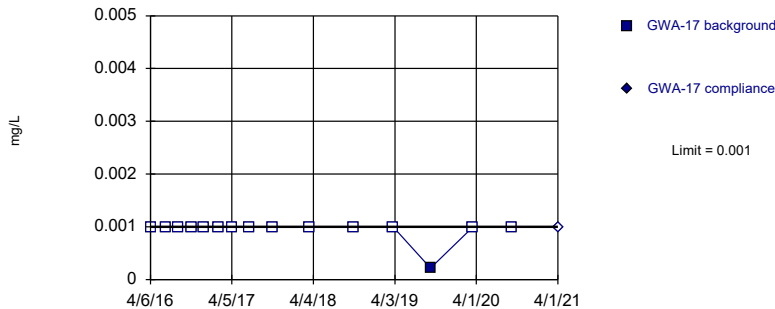


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

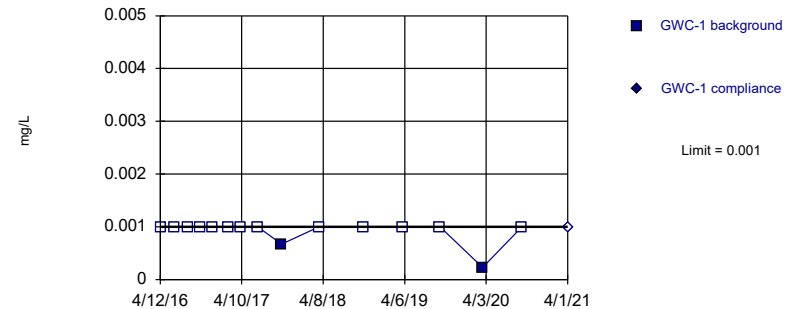


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

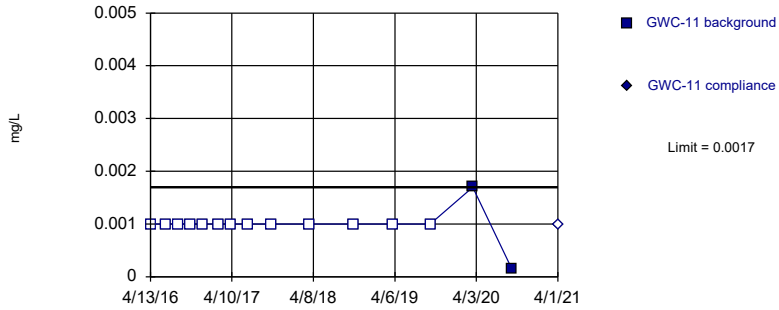


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

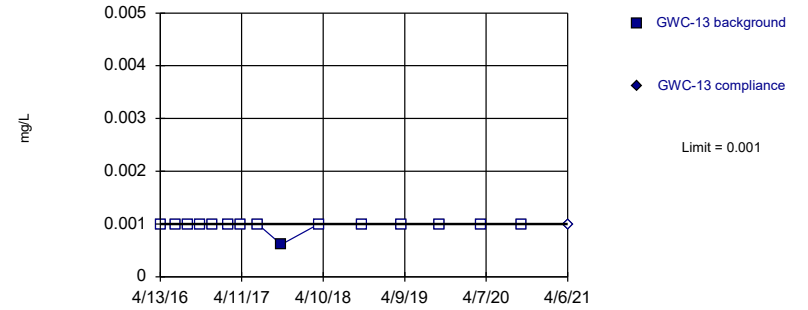


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

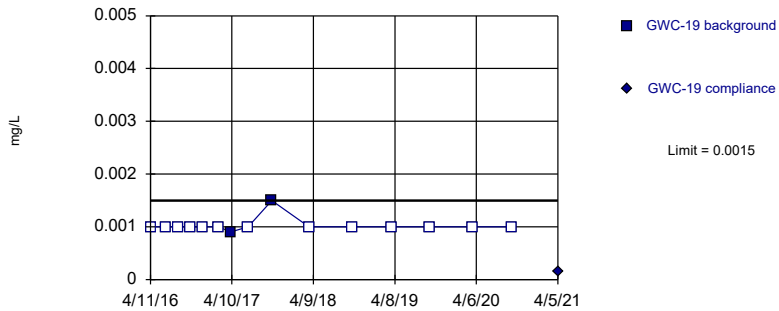


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

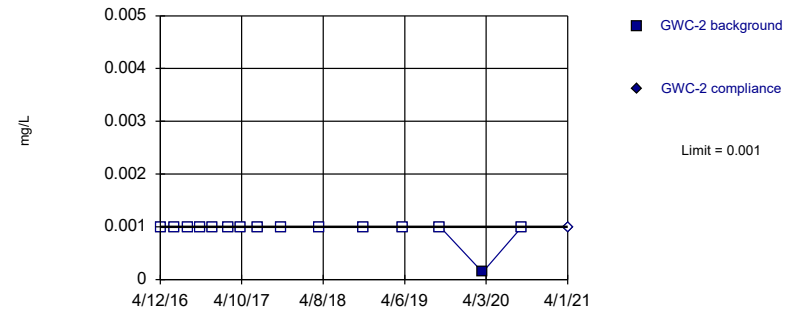


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

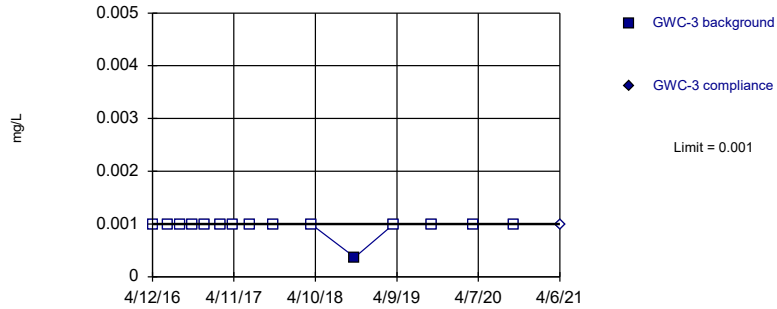


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

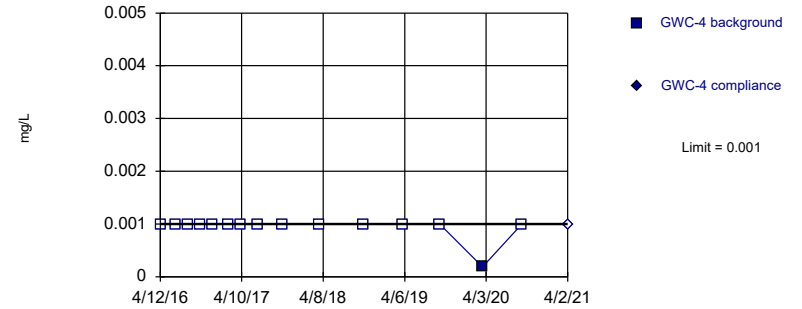


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

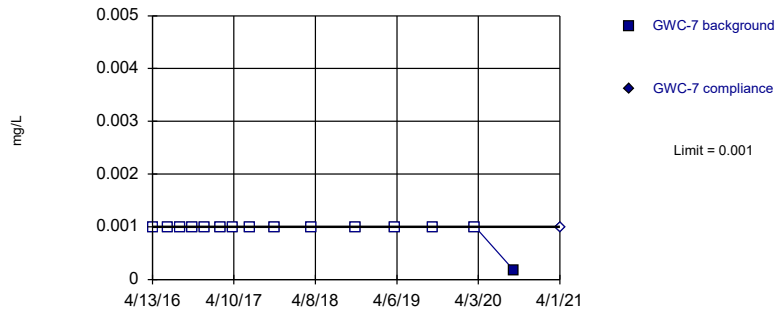


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

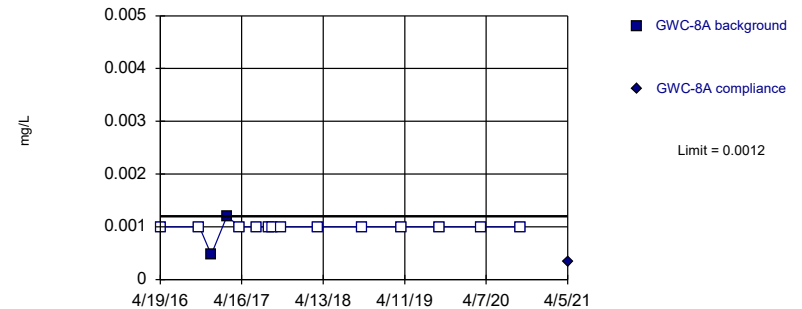


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

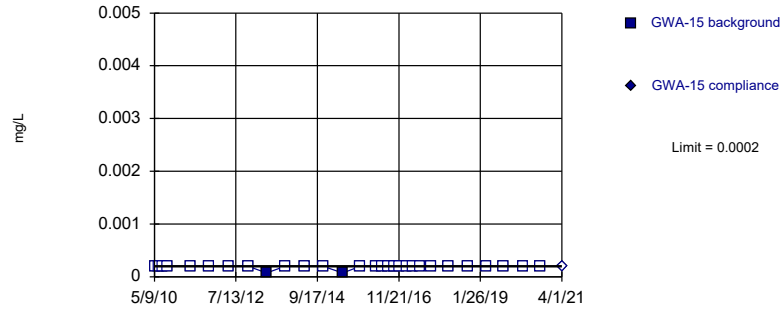


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/28/2021 9:50 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

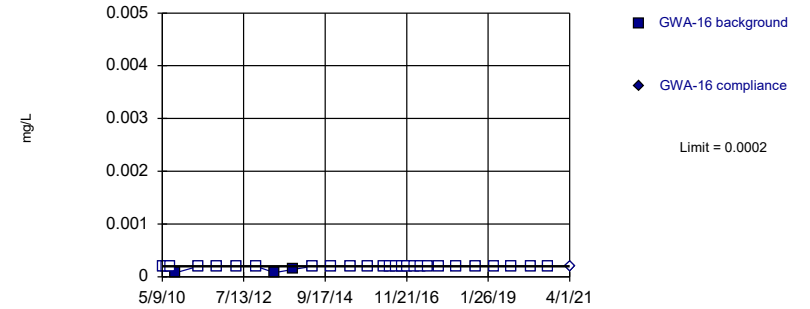


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

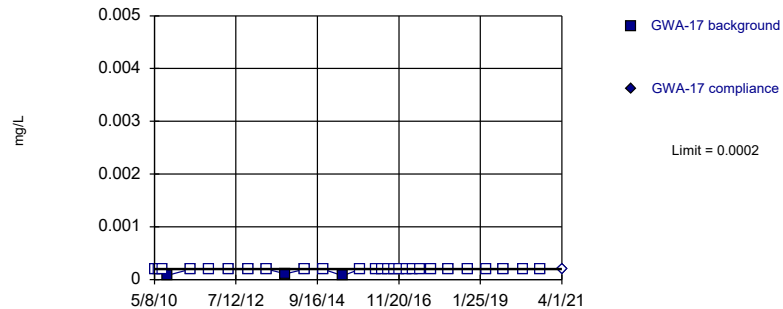


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

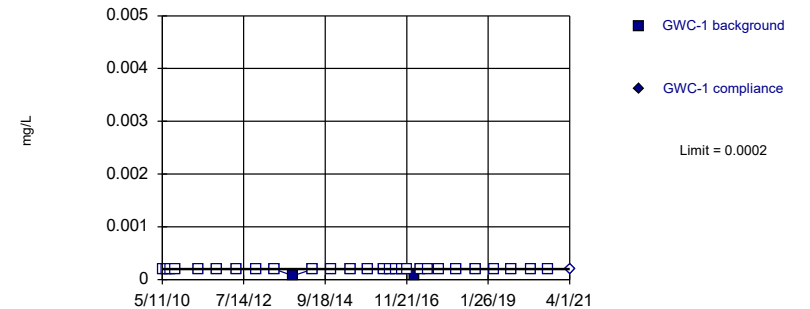


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

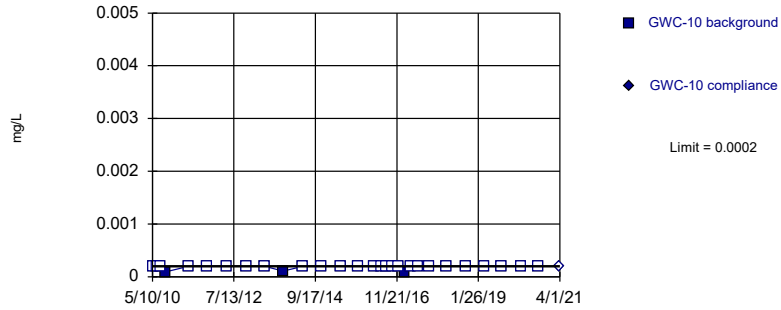


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

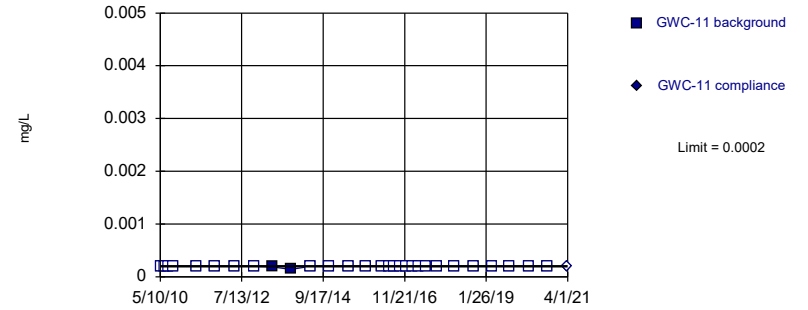


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

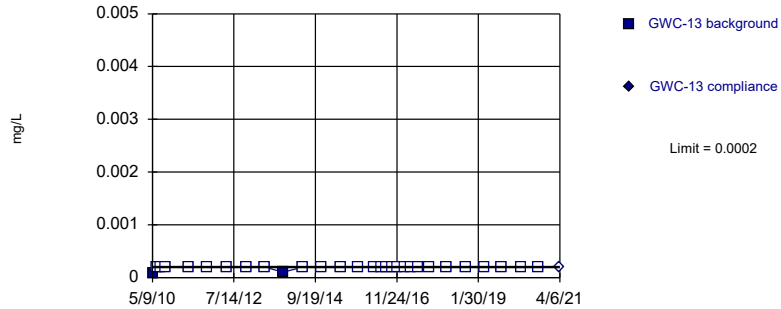


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

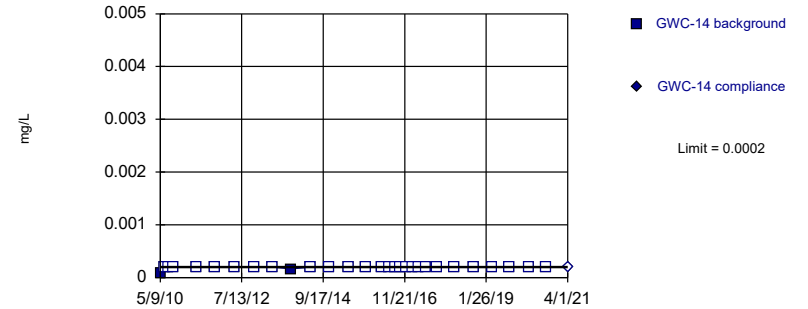


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

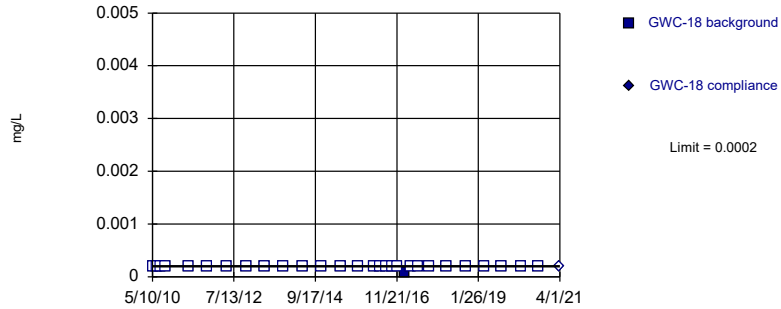


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:50 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

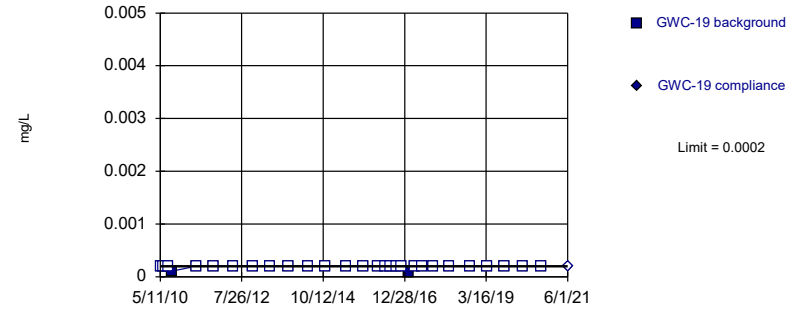


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

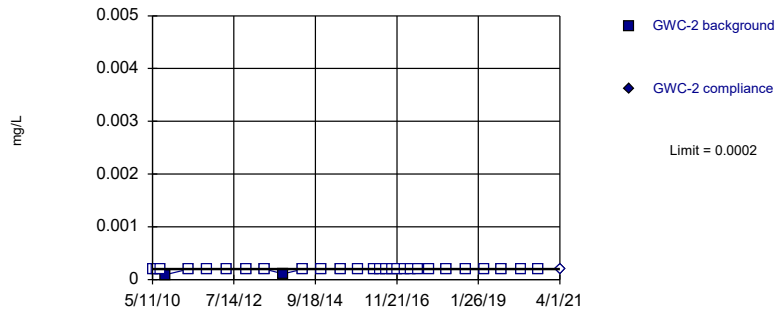


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

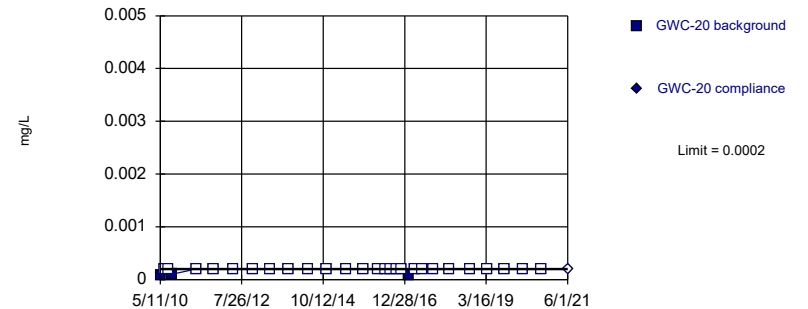


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

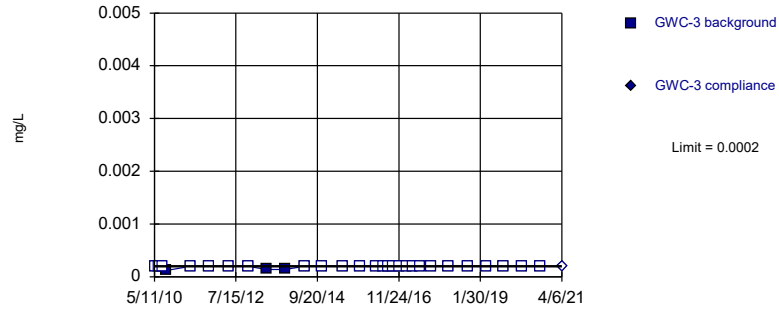


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

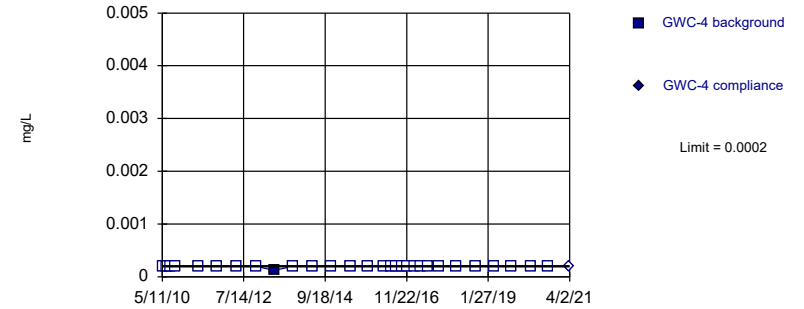


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

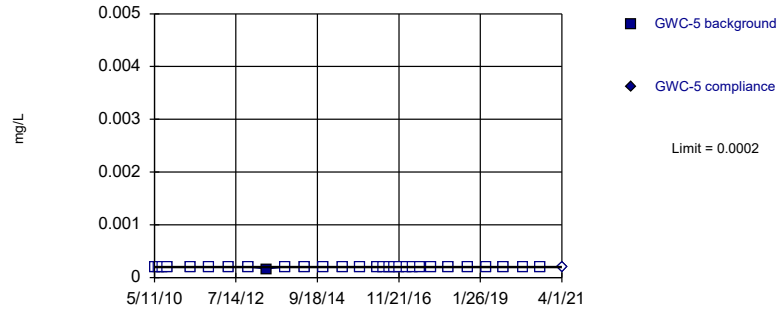


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

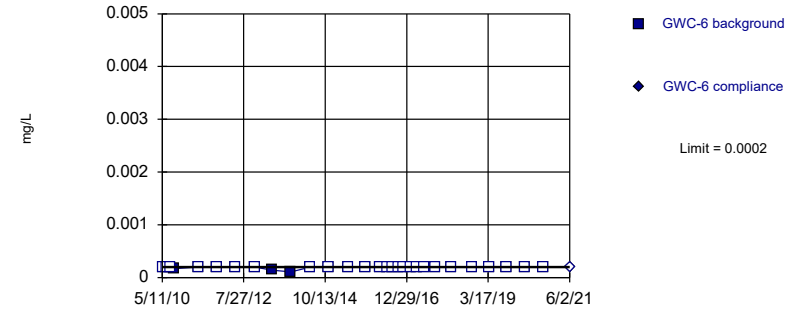


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

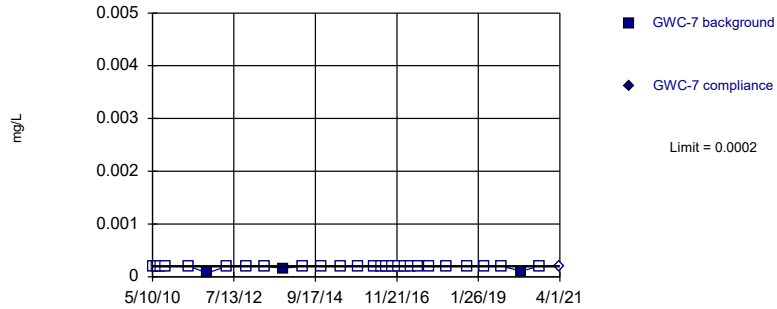


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

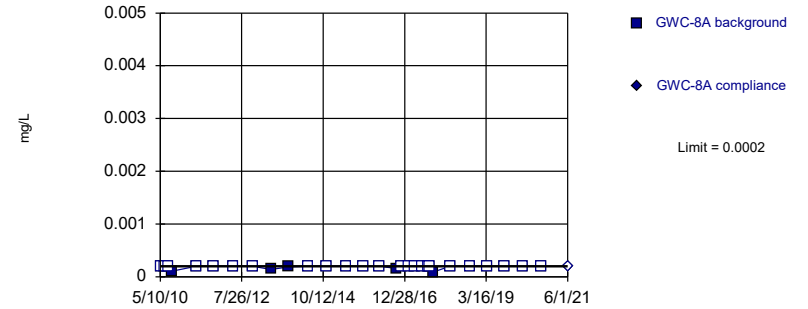


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

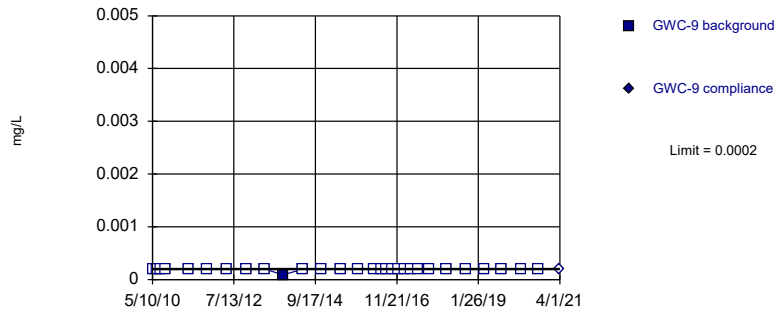


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

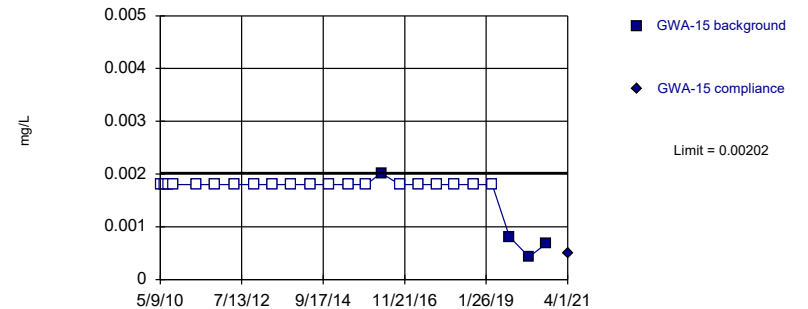


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

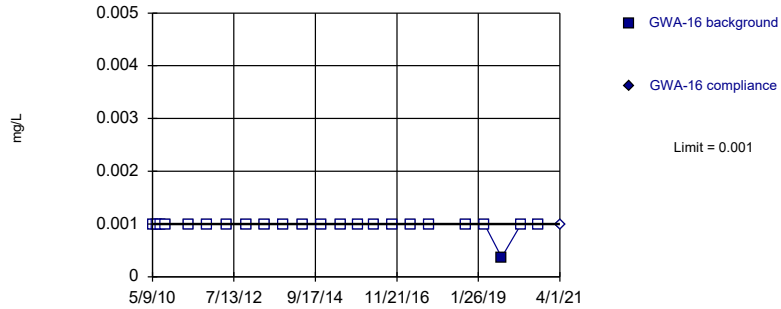


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

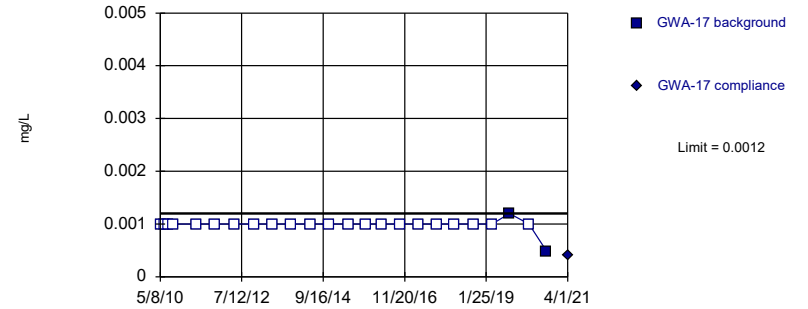


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

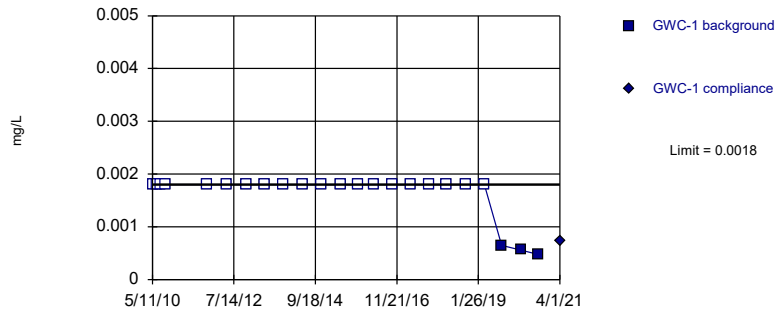


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

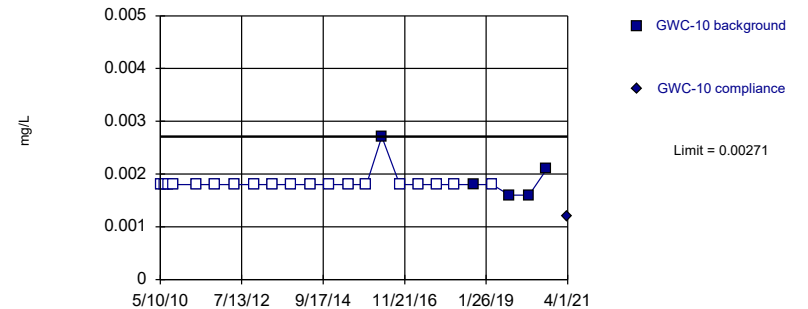


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

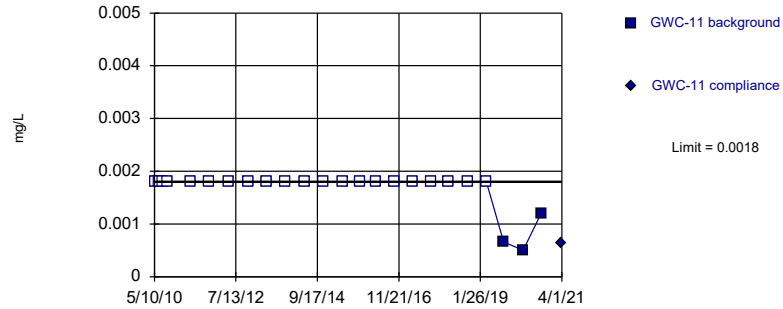


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

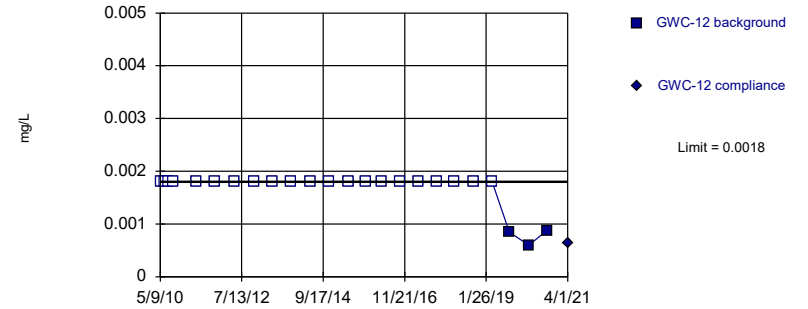


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

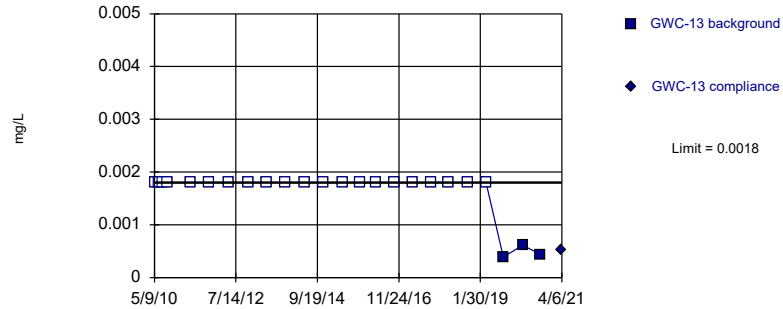


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

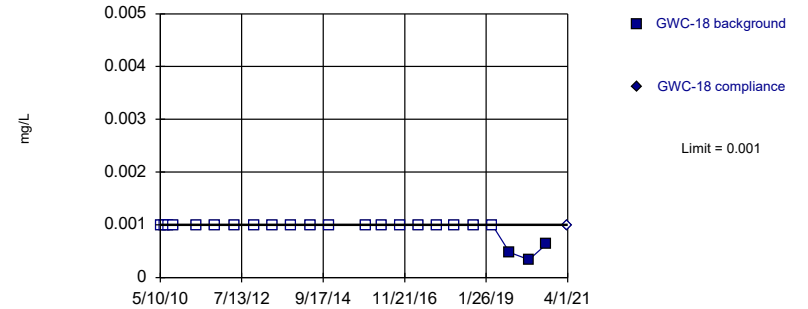


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

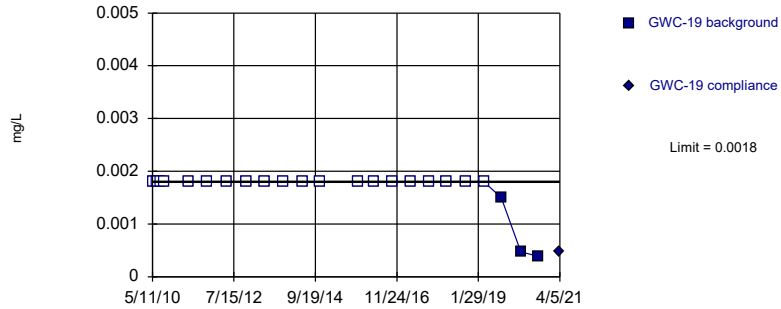


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

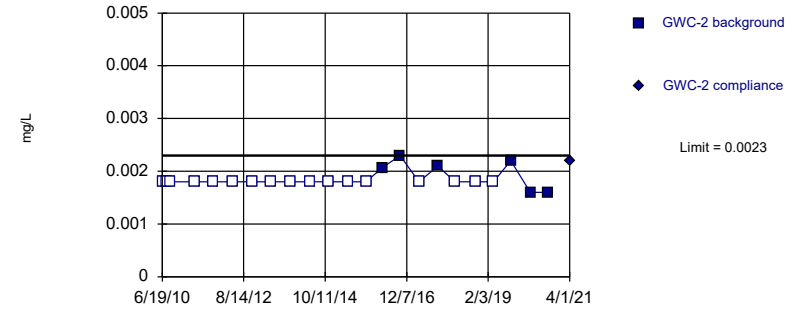


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

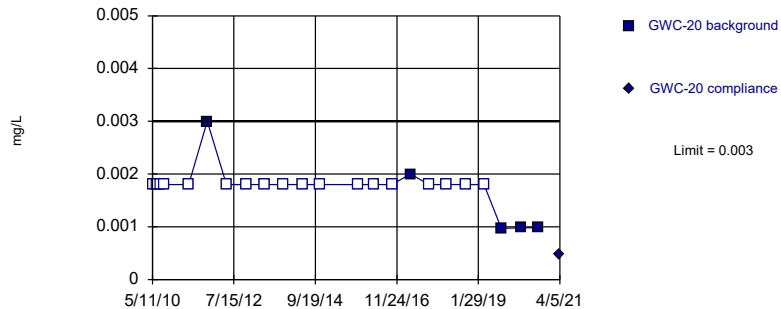


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

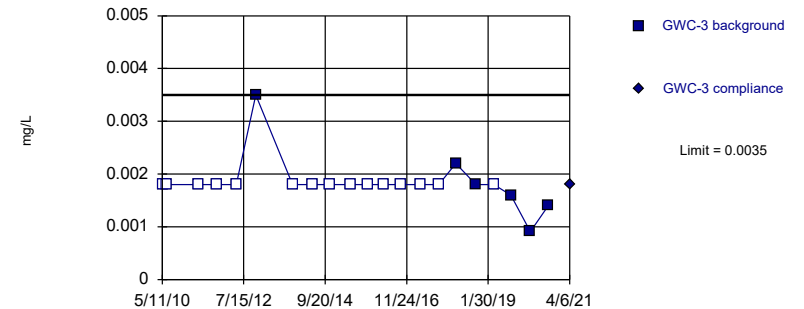


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

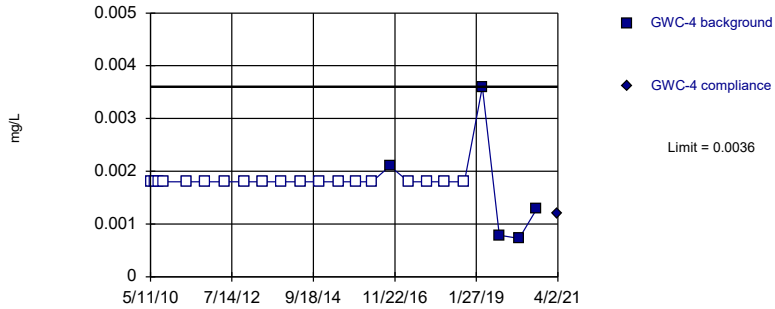


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

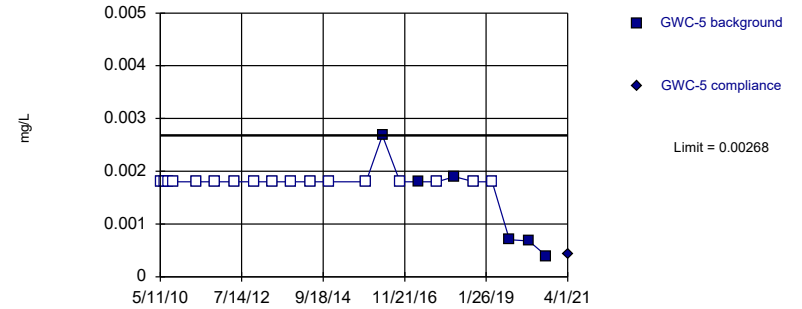


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

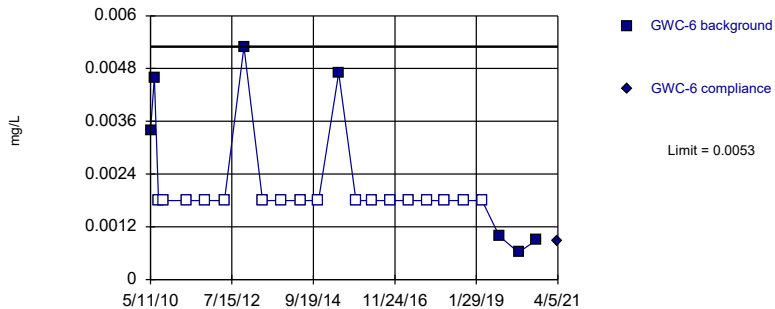


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

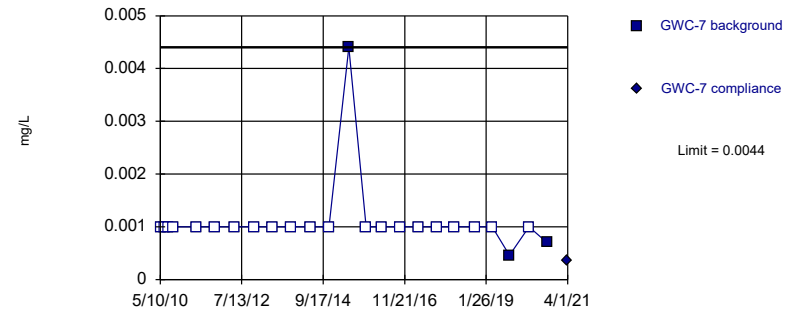


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

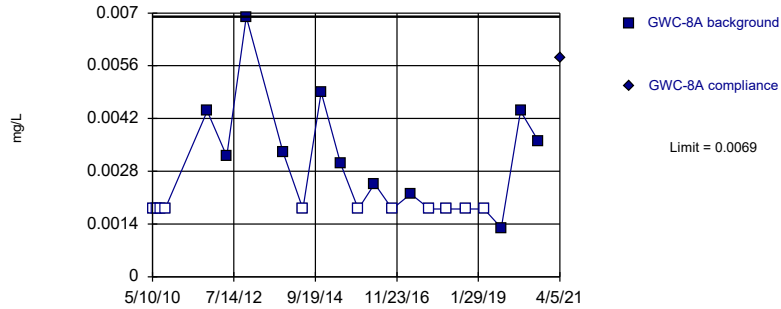


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

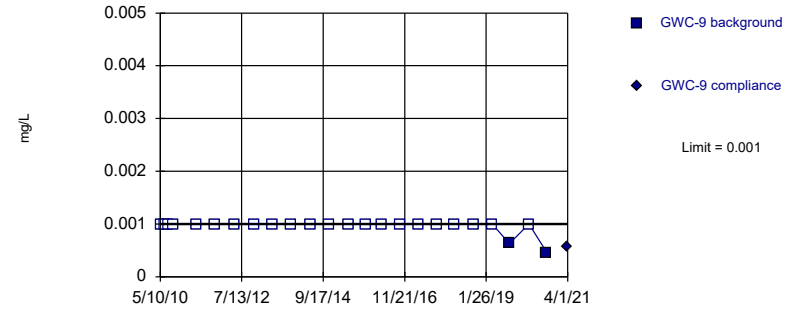


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

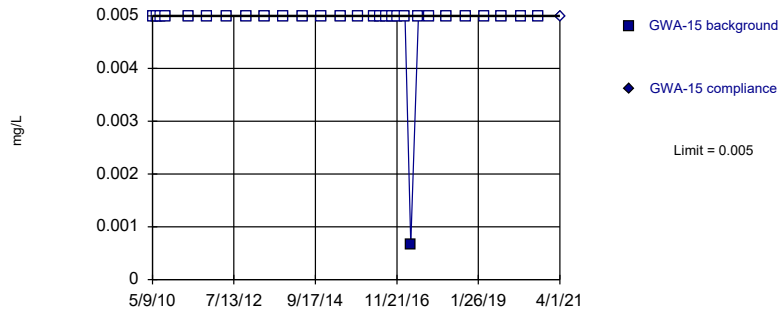


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Nickel Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

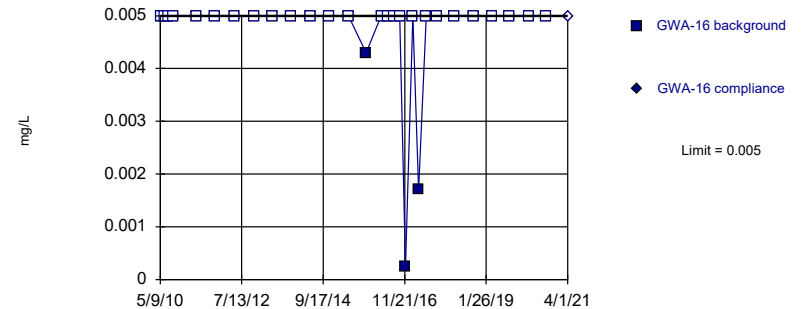


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

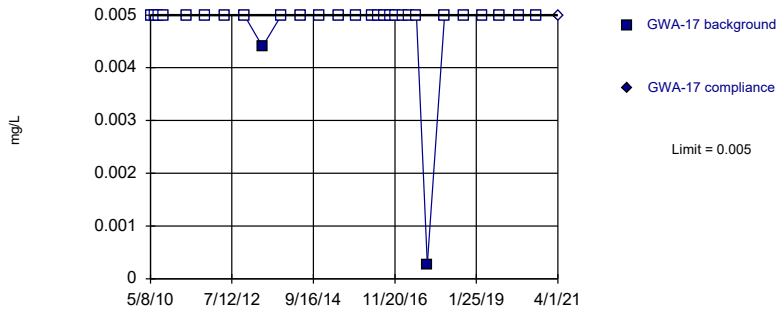


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

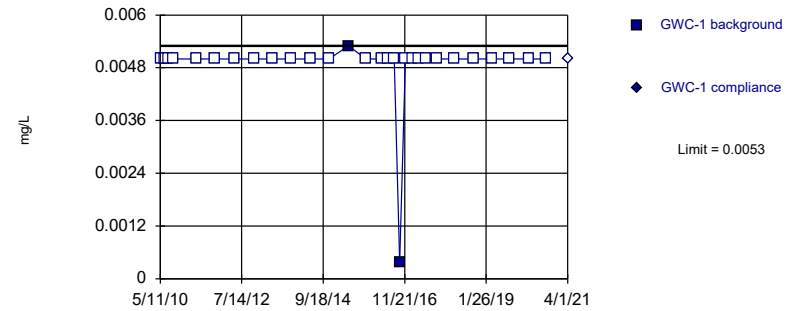


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

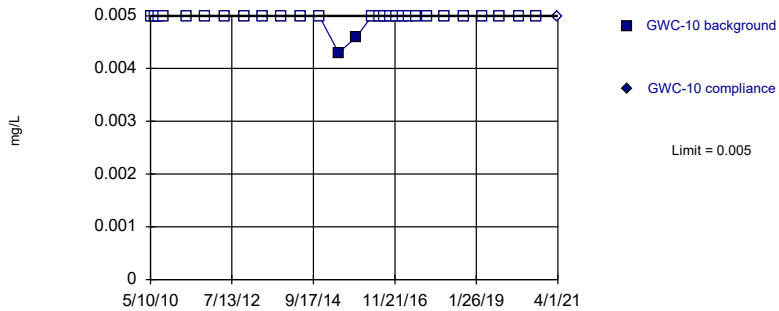


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

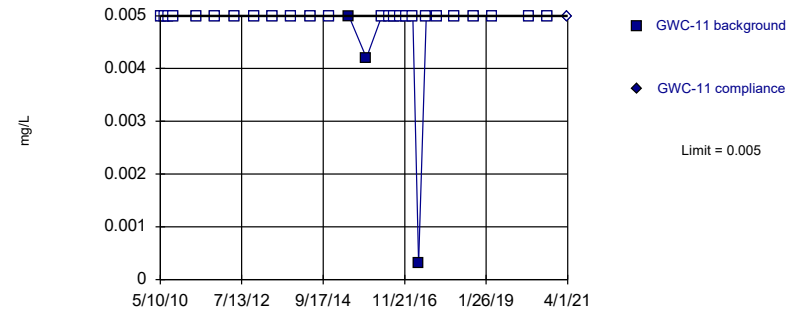


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

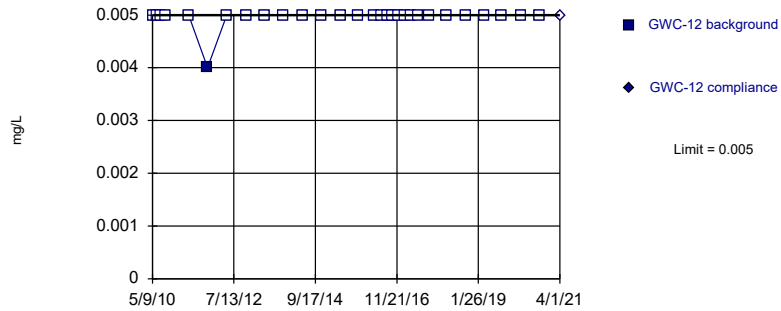


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

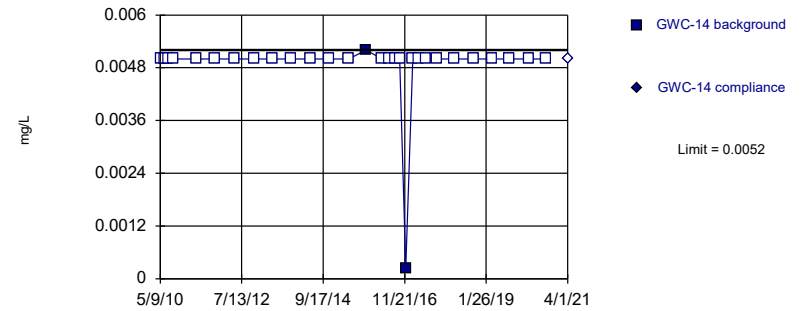


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

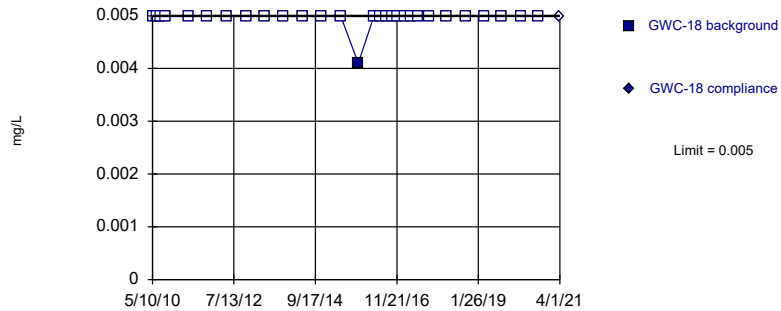


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

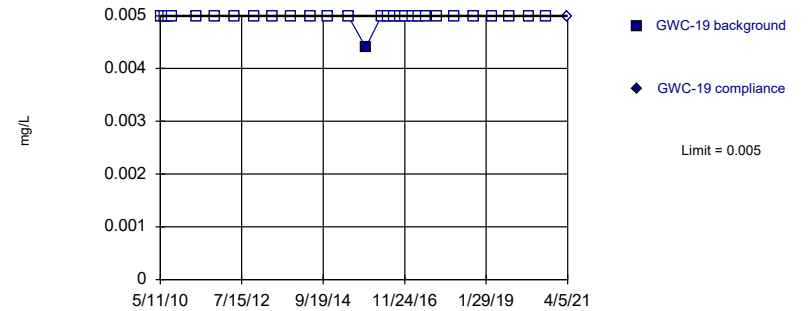


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

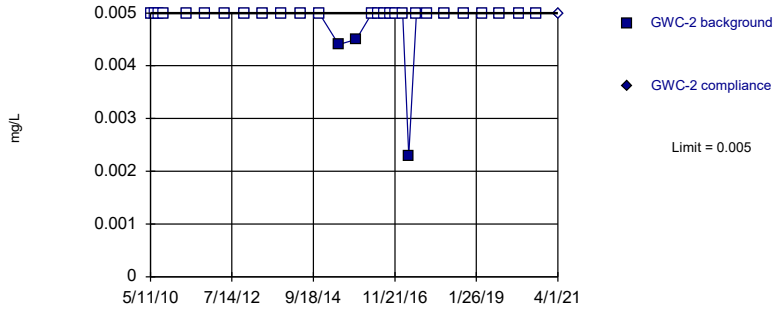


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

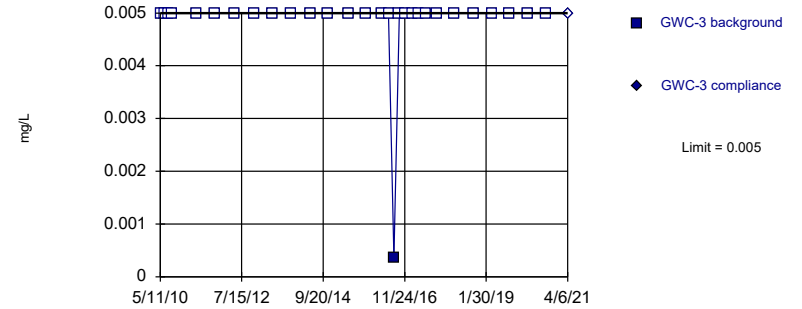


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

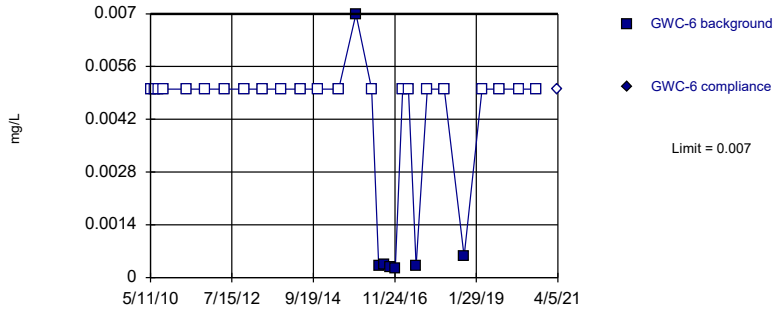


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

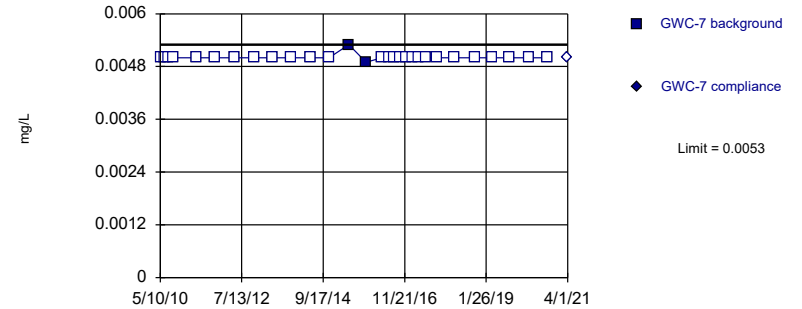


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 75.86% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

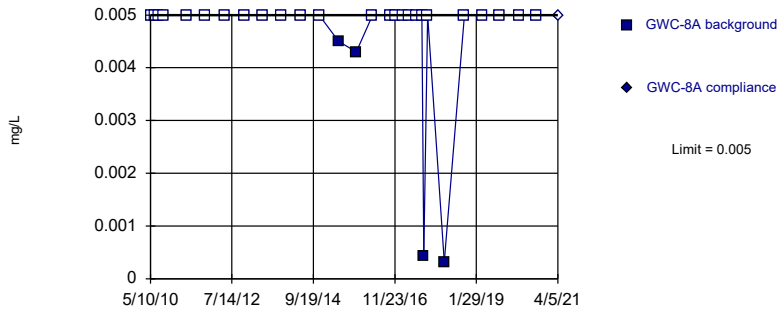


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

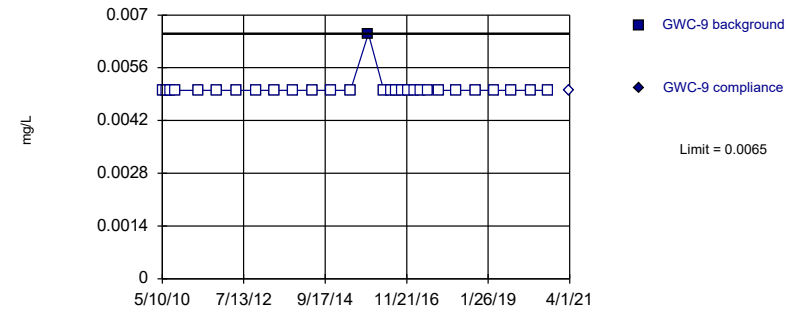


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

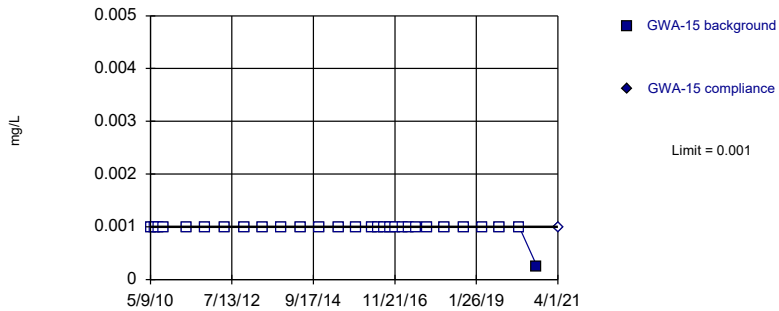


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

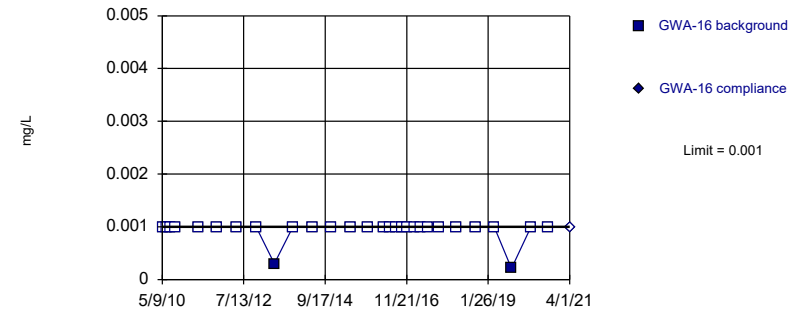


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

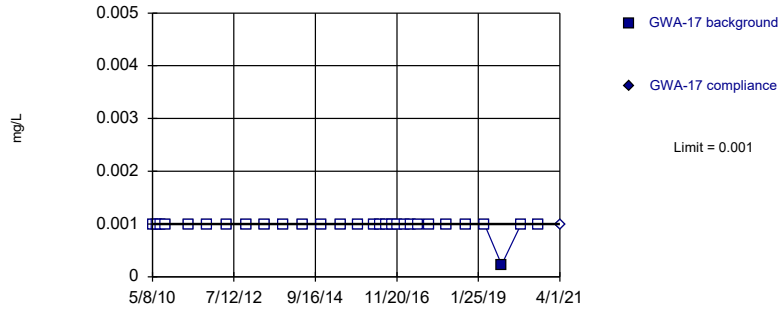


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

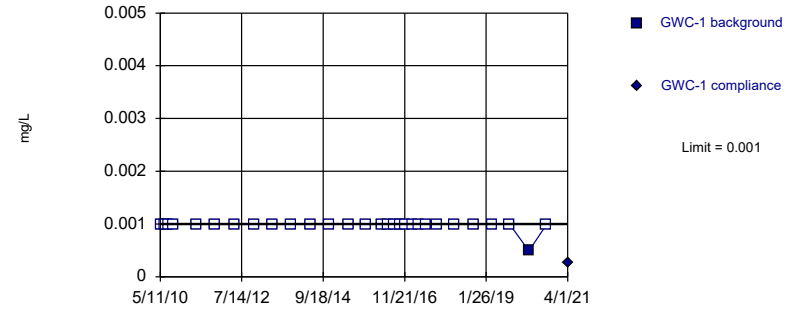


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

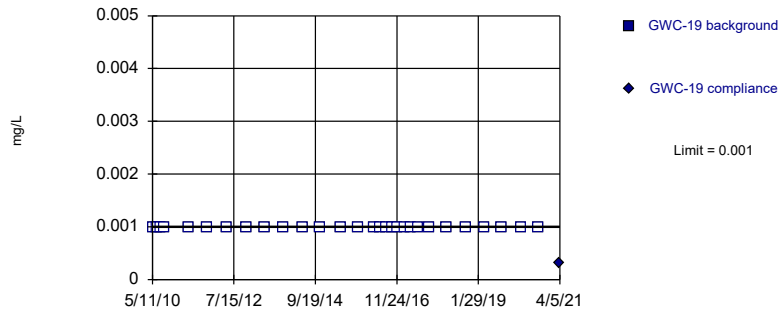


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

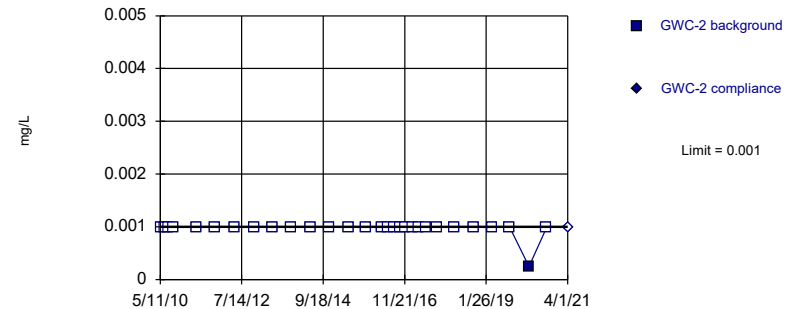


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

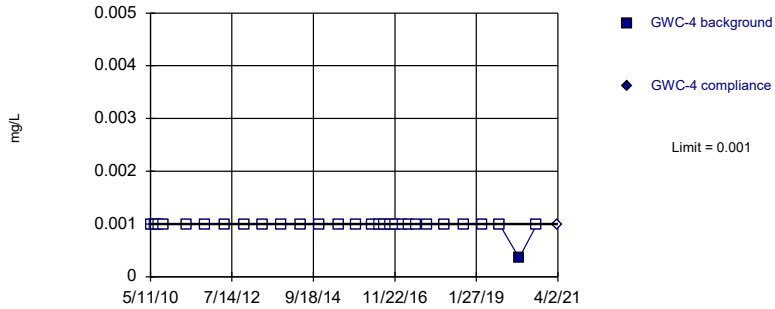


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

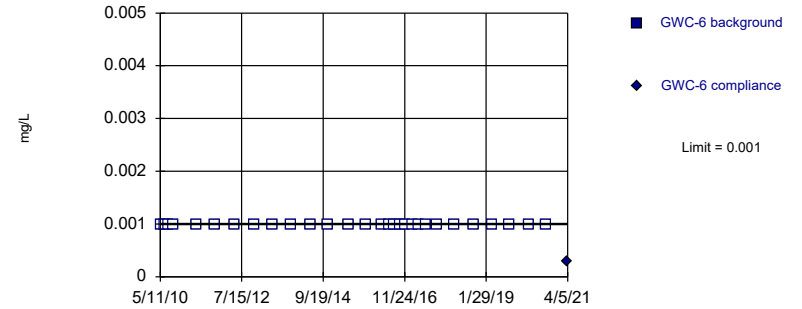


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

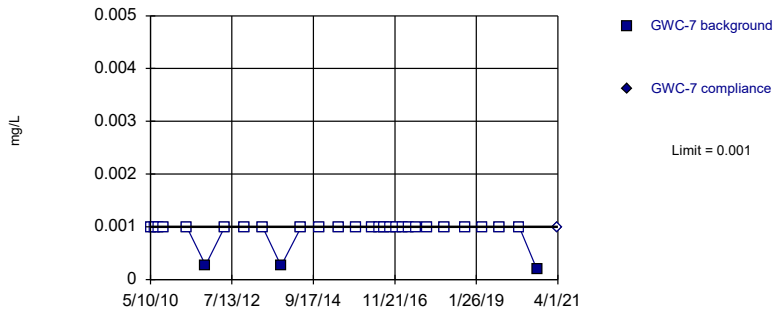


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

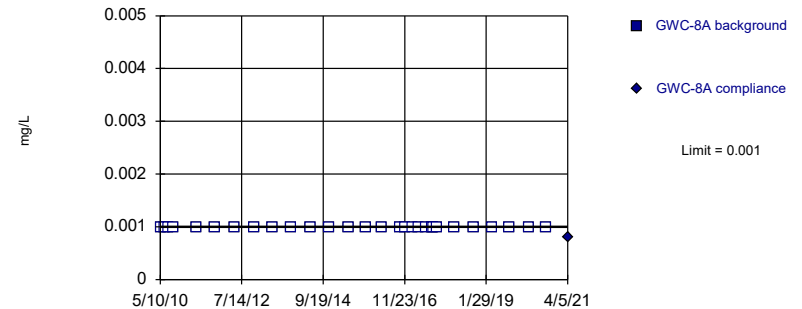


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

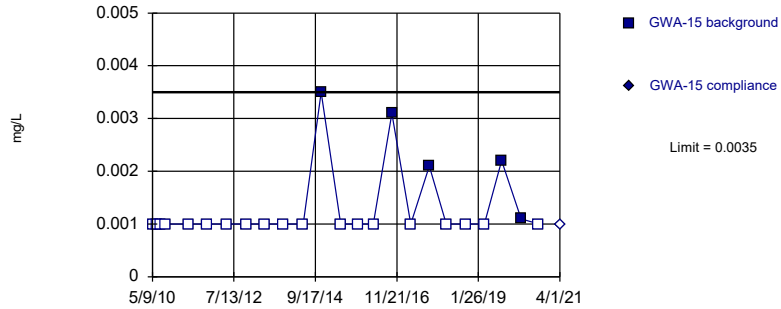


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

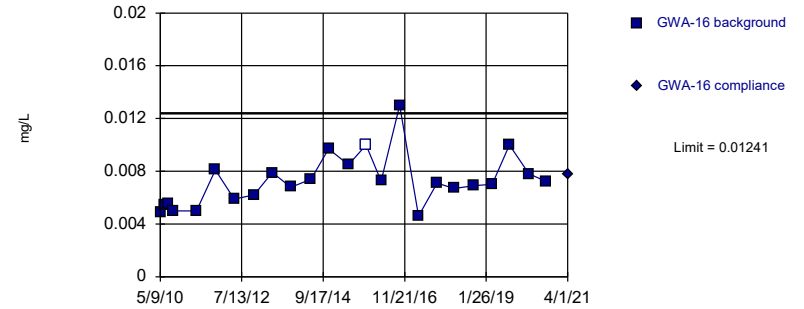


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

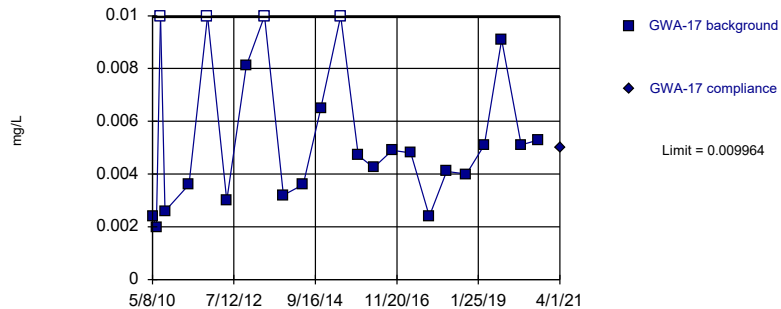


Background Data Summary: Mean=0.007244, Std. Dev.=0.001978, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9179, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

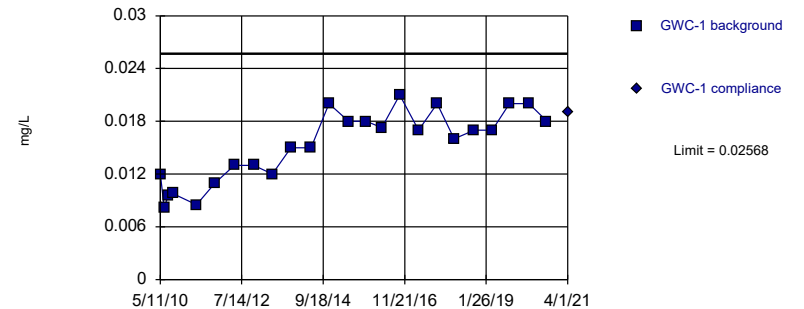


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06396, Std. Dev.=0.01374, n=24, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

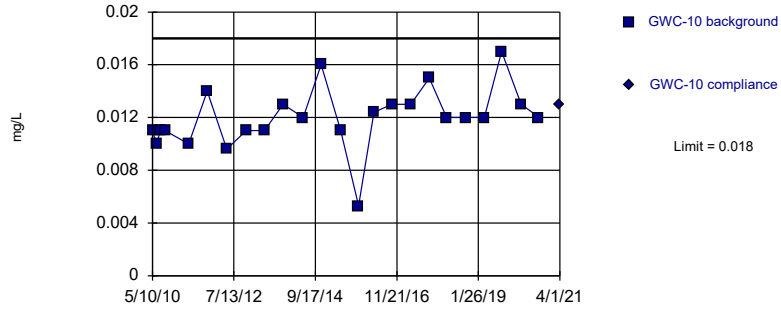


Background Data Summary: Mean=0.01527, Std. Dev.=0.003991, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

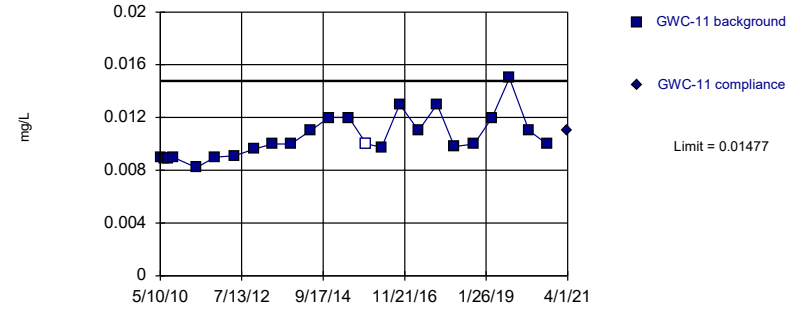


Background Data Summary: Mean=0.01197, Std. Dev.=0.002311, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9233, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

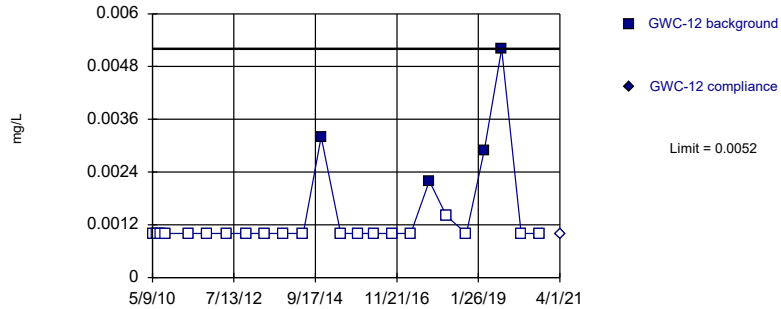


Background Data Summary: Mean=0.01047, Std. Dev.=0.001648, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8992, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

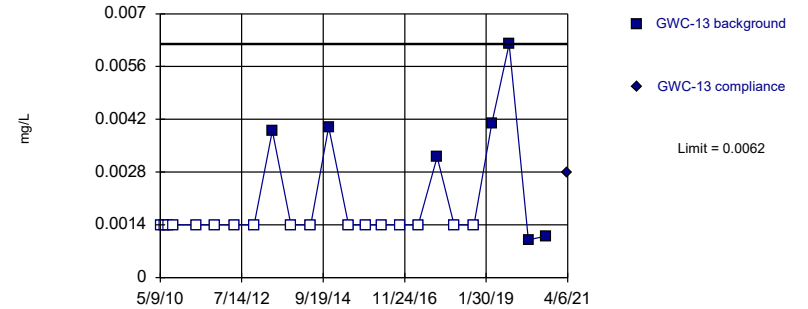


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

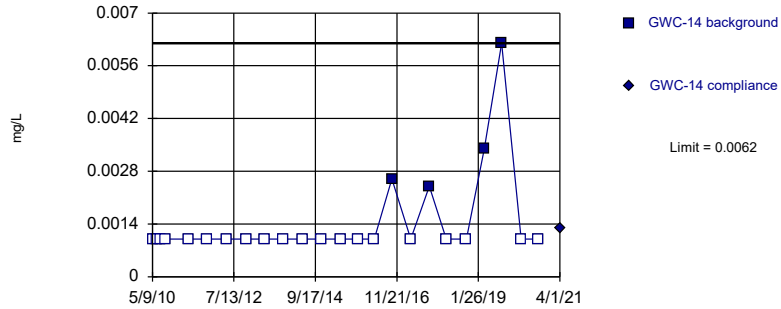


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

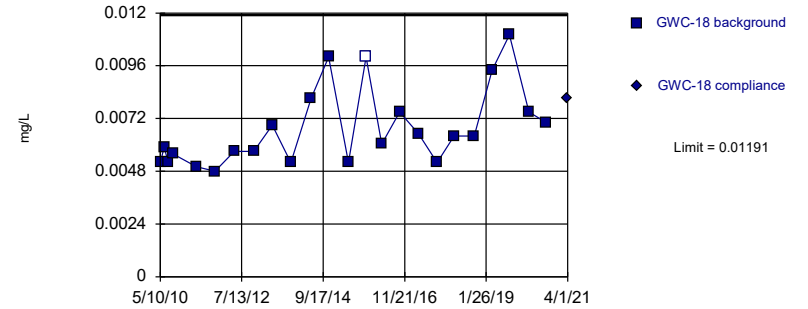


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

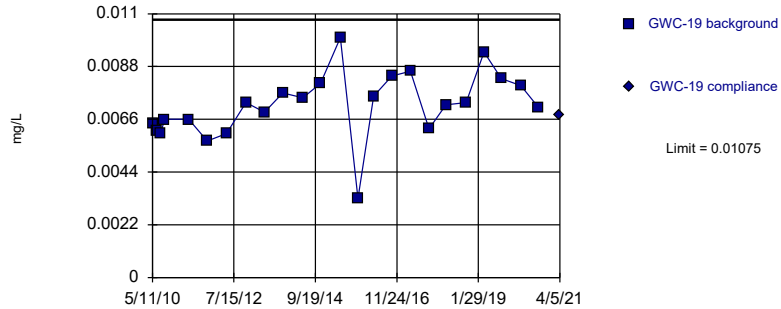


Background Data Summary (based on cube root transformation): Mean=0.1875, Std. Dev.=0.01567, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:51 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

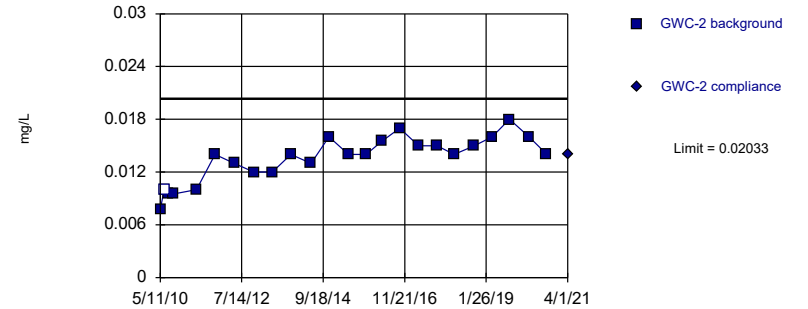


Background Data Summary: Mean=0.007178, Std. Dev.=0.001371, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9601, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

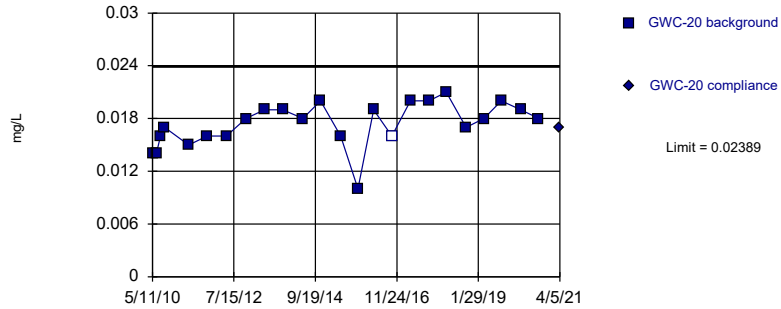


Background Data Summary: Mean=0.01352, Std. Dev.=0.00261, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

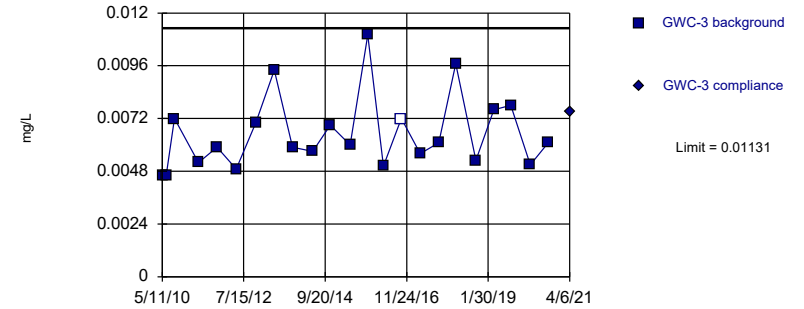


Background Data Summary: Mean=0.01733, Std. Dev.=0.002514, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9211, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

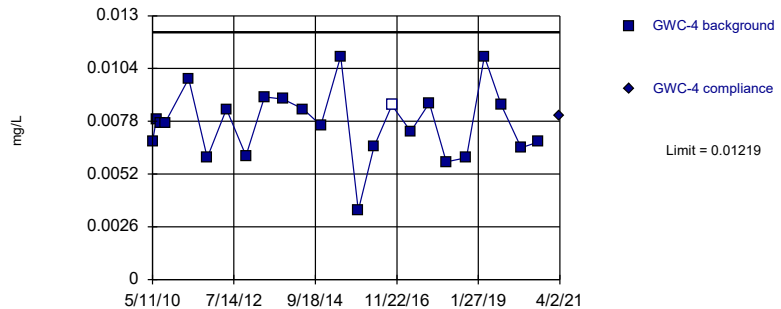


Background Data Summary (based on square root transformation): Mean=0.08012, Std. Dev.=0.009969, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9116, critical = 0.881. Kappa = 2.632 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

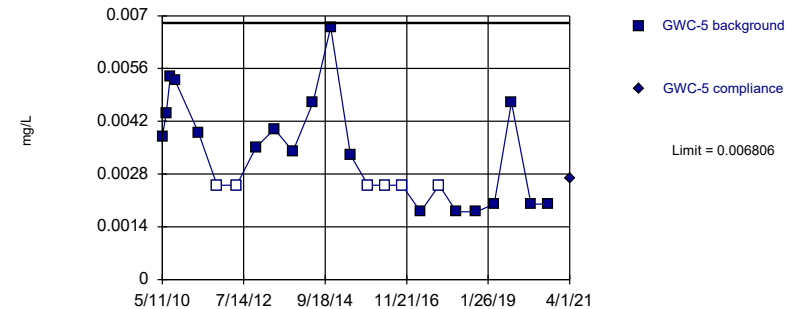


Background Data Summary: Mean=0.007693, Std. Dev.=0.001725, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

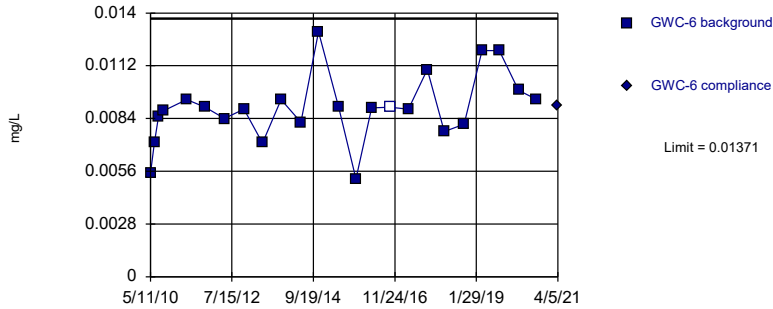


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003039, Std. Dev.=0.001444, n=24, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

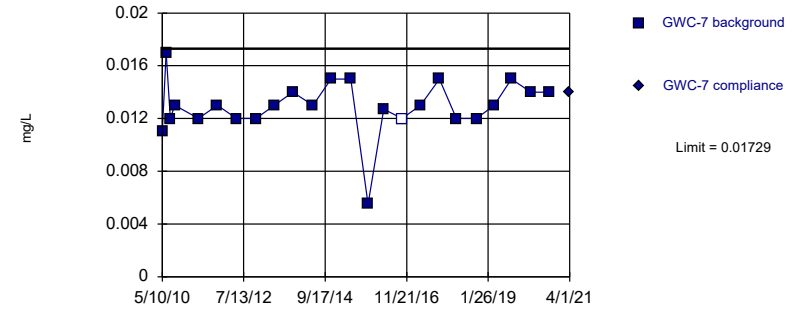


Background Data Summary: Mean=0.008936, Std. Dev.=0.001829, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9399, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

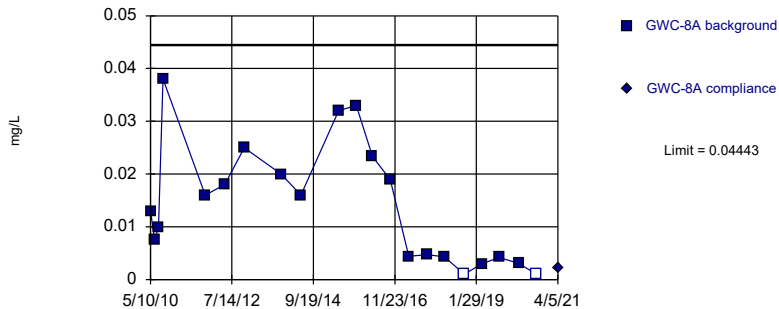


Background Data Summary (based on square transformation): Mean=0.0001713, Std. Dev.=0.0000489, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

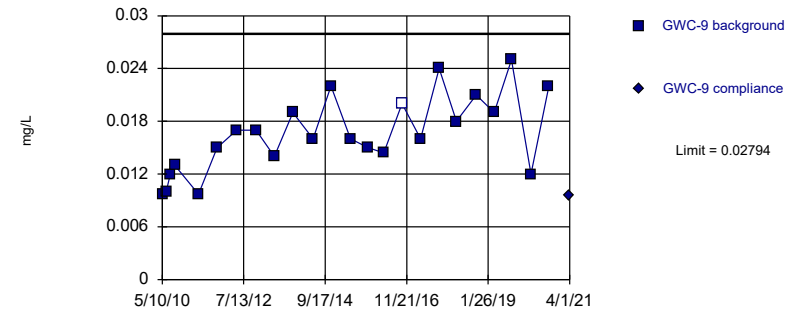


Background Data Summary: Mean=0.01412, Std. Dev.=0.01131, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9106, critical = 0.873. Kappa = 2.68 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

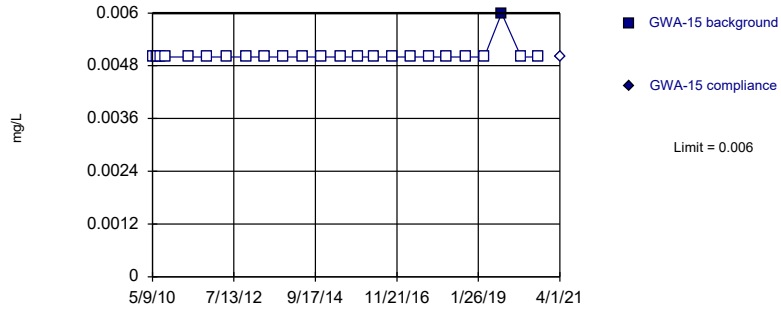


Background Data Summary: Mean=0.01653, Std. Dev.=0.004374, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.884. Kappa = 2.609 (c=16, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001937.

Constituent: Vanadium Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

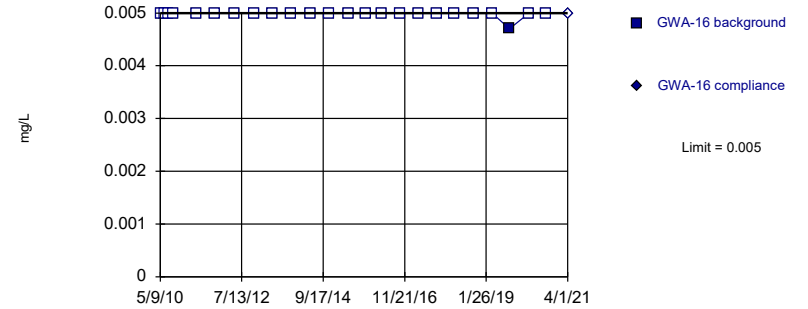


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

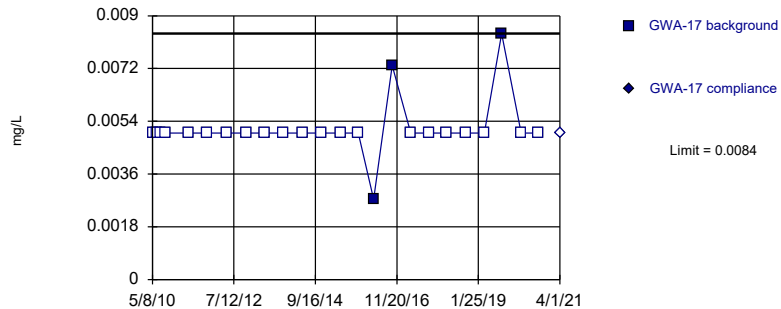


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

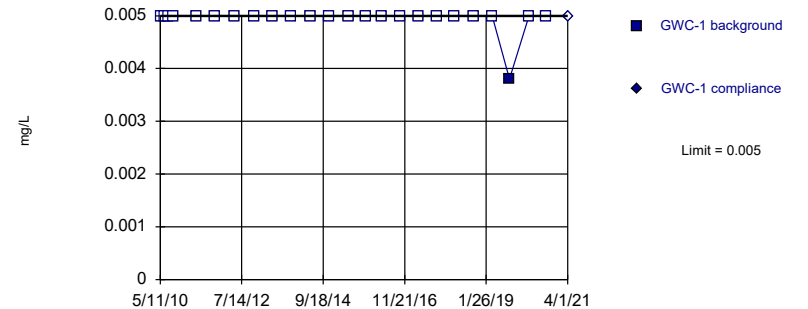


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

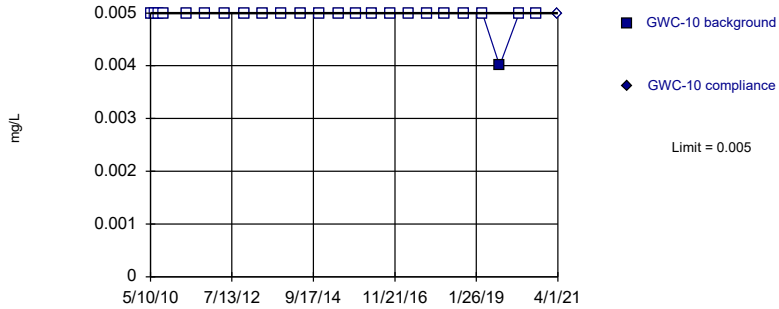


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

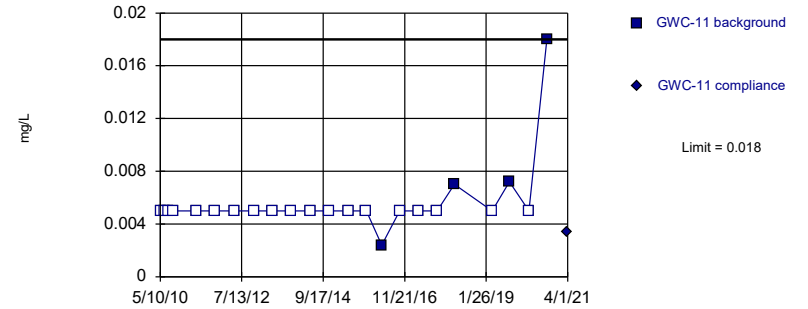


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

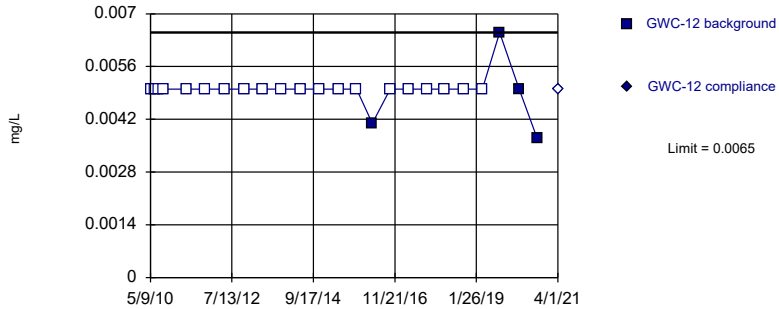


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

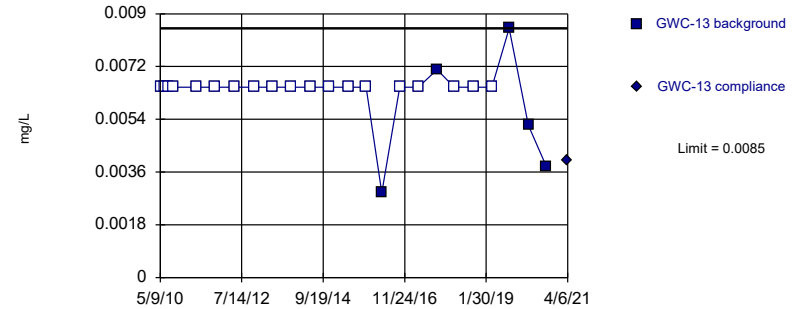


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

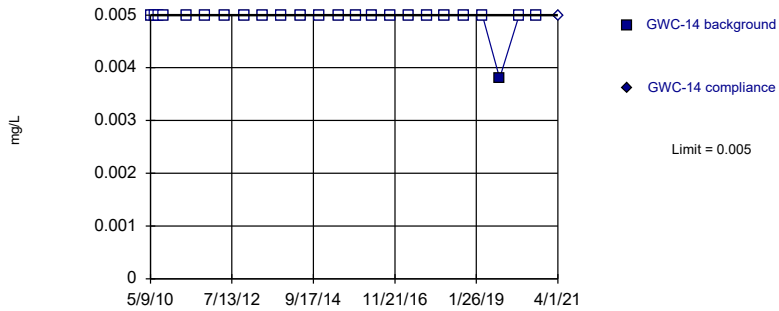


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 79.17% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

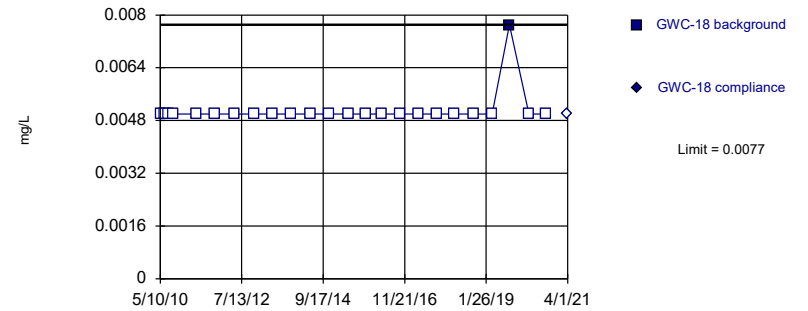


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

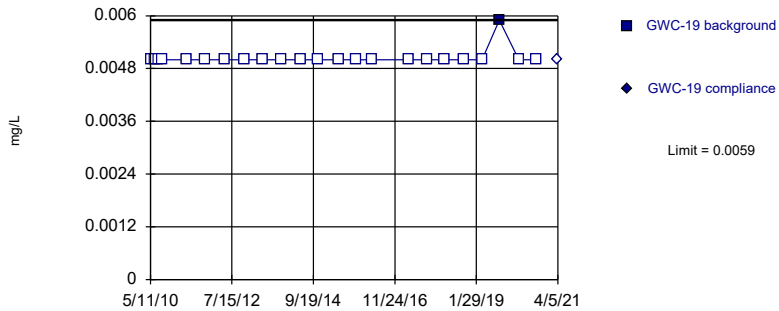


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

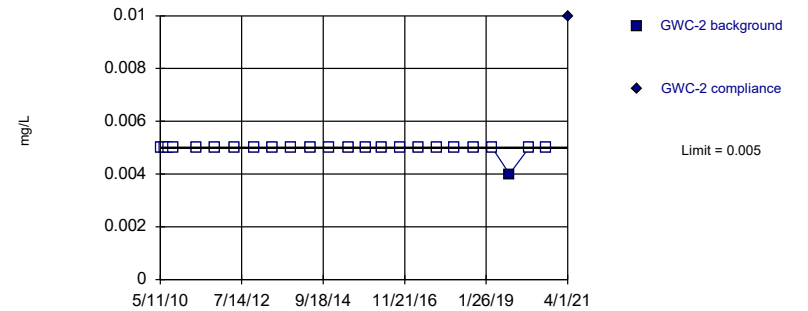


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit

Prediction Limit
 Intrawell Non-parametric

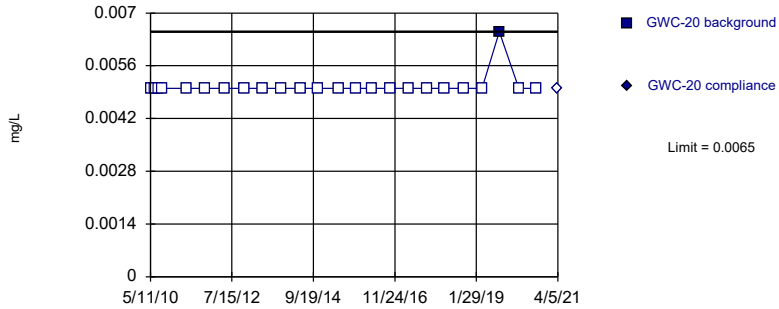


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

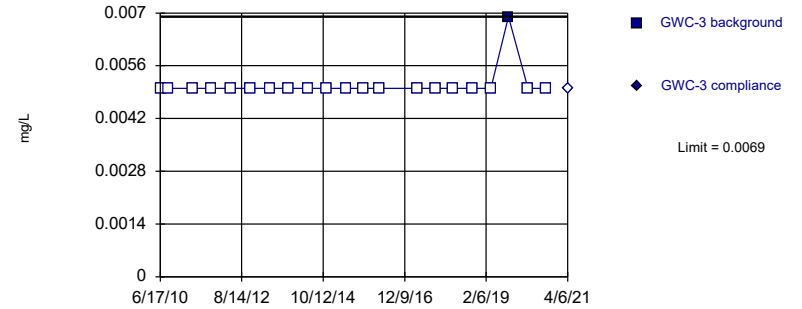


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

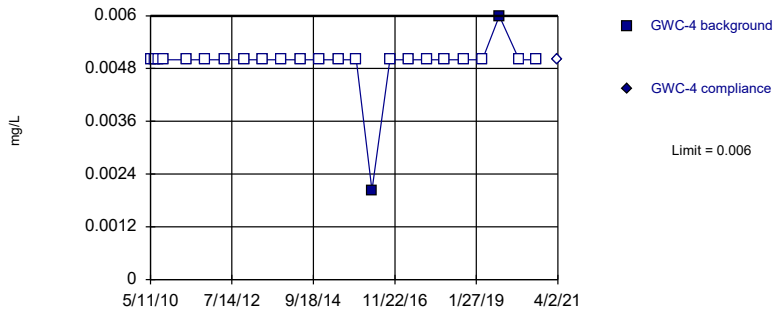


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

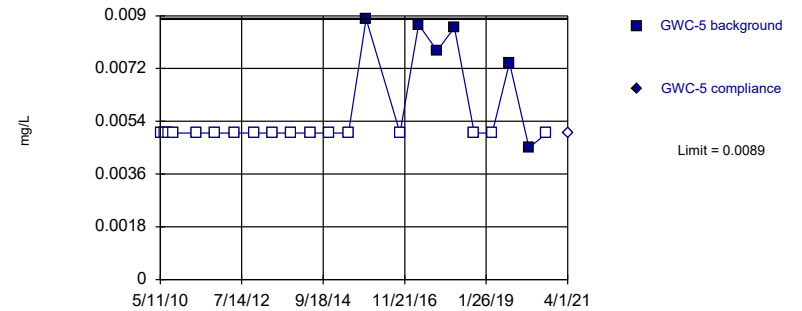


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

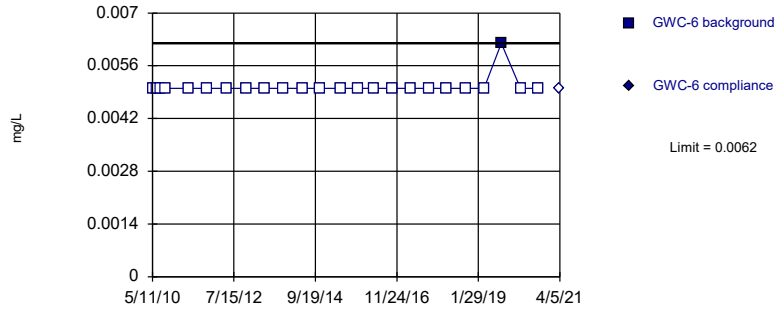


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

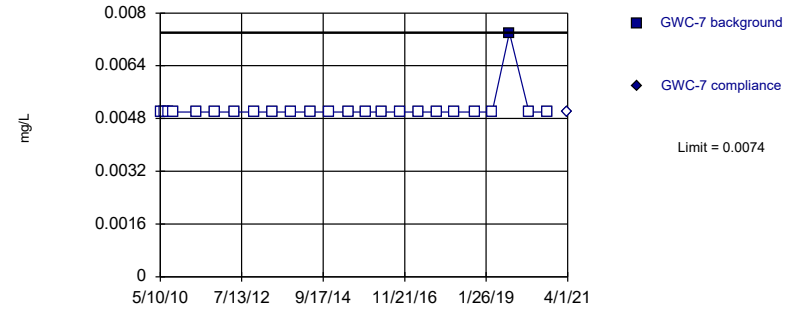


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

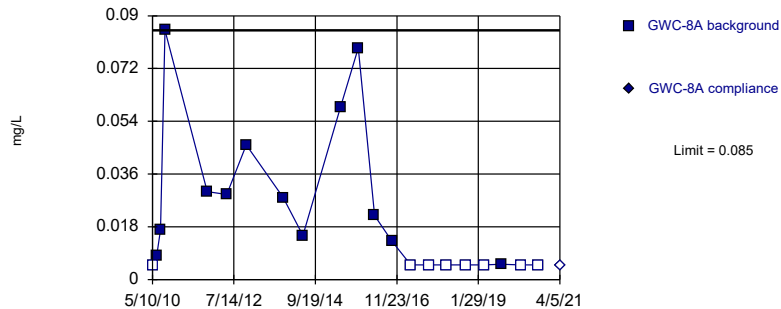


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

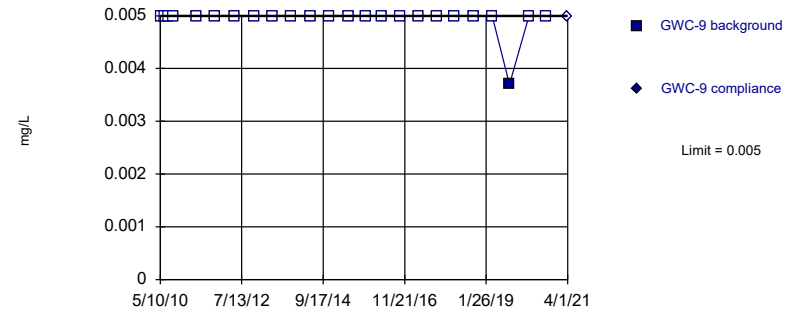


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Zinc Analysis Run 6/28/2021 9:52 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/29/2016	<0.002	
2/7/2017	0.001 (J)	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	0.000646 (JD)	
6/21/2016	<0.002	
8/15/2016	<0.002	
10/5/2016	<0.002	
12/1/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00018 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00039 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/8/2014	<0.002	
5/23/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
6/16/2016	0.00014 (J)	
8/11/2016	<0.002	
10/5/2016	<0.002	
11/29/2016	<0.002	
2/8/2017	<0.002	
4/5/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00042 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.0013 (J)

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.002	
6/17/2010	<0.002	
7/28/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/12/2016	<0.002	
10/5/2016	<0.002	
11/30/2016	<0.002	
2/8/2017	<0.002	
4/6/2017	<0.002	
6/21/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002

Prediction Limit

Constituent: Antimony, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/20/2016	0.0002 (J)	
8/15/2016	<0.002	
10/6/2016	<0.002	
12/1/2016	<0.002	
2/9/2017	<0.002	
4/7/2017	<0.002	
6/22/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	0.01 (J)	
6/18/2010	0.01 (J)	
7/28/2010	0.011 (J)	
9/9/2010	0.011 (J)	
4/30/2011	0.0091 (J)	
10/28/2011	0.0096 (J)	
5/2/2012	0.012	
11/9/2012	0.012 (V)	
5/8/2013	0.01	
11/5/2013	0.0098 (J)	
5/20/2014	0.0081 (J)	
11/12/2014	0.0098 (J)	
5/22/2015	0.0088 (J)	
11/11/2015	0.011	
4/6/2016	0.00959 (J)	
6/15/2016	0.0091 (J)	
8/10/2016	0.009	
10/4/2016	<0.0092	
11/30/2016	0.011	
2/7/2017	0.0099	
4/4/2017	0.0092	
6/20/2017	0.0099	
10/4/2017	0.0098	
3/20/2018	0.01	
10/2/2018	0.0099	
3/26/2019	0.0099	
9/10/2019	0.011	
3/18/2020	0.01	
9/9/2020	0.01	
4/1/2021		0.0092 (J)

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.031 (J)	
6/16/2010	0.029 (J)	
7/27/2010	0.029 (J)	
9/7/2010	0.028 (J)	
4/29/2011	0.026 (J)	
10/28/2011	0.025	
5/2/2012	0.025	
11/9/2012	0.028 (V)	
5/8/2013	0.029	
11/6/2013	0.026	
5/20/2014	0.025	
11/8/2014	0.026	
5/22/2015	0.026	
11/9/2015	0.024	
4/6/2016	0.026	
6/15/2016	0.023	
8/10/2016	0.022	
10/4/2016	0.024	
11/29/2016	0.023	
2/7/2017	0.024	
4/4/2017	0.022	
6/20/2017	0.025	
10/5/2017	0.023	
3/20/2018	0.023	
10/2/2018	0.023	
3/26/2019	0.024	
9/10/2019	0.039	
3/18/2020	0.027	
9/9/2020	0.024	
4/1/2021		0.024

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.048 (J)	
6/16/2010	0.044 (J)	
7/26/2010	0.042 (J)	
9/7/2010	0.04 (J)	
4/29/2011	0.038 (J)	
10/28/2011	0.034	
5/2/2012	0.03	
11/9/2012	0.039 (V)	
5/8/2013	0.034	
11/6/2013	0.032	
5/20/2014	0.03	
11/8/2014	0.031	
5/22/2015	0.033	
11/9/2015	0.034	
4/6/2016	0.0347	
6/15/2016	0.029	
8/10/2016	0.027	
10/5/2016	<0.029	
11/29/2016	0.024	
2/7/2017	0.029	
4/4/2017	0.03	
6/20/2017	0.036	
10/5/2017	0.027	
3/20/2018	0.027	
10/2/2018	0.027	
3/26/2019	0.031	
9/10/2019	0.051	
3/18/2020	0.031	
9/9/2020	0.033	
4/1/2021		0.029

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.054 (J)	
6/17/2010	0.054 (J)	
7/27/2010	0.054 (J)	
9/9/2010	0.046 (J)	
4/28/2011	0.057 (J)	
10/29/2011	0.046	
5/3/2012	0.049	
11/9/2012	0.045 (V)	
5/9/2013	0.053	
11/5/2013	0.045	
5/23/2014	0.043	
11/13/2014	0.046	
5/23/2015	0.046	
11/11/2015	0.047	
4/12/2016	0.0474	
6/16/2016	0.044	
8/11/2016	0.04	
10/4/2016	0.048	
11/30/2016	0.043	
2/7/2017	0.042	
4/5/2017	0.041	
6/20/2017	0.046	
10/4/2017	0.044	
3/20/2018	0.042	
10/2/2018	0.043	
3/26/2019	0.044	
9/10/2019	0.046	
3/18/2020	0.049	
9/9/2020	0.046	
4/1/2021		0.047

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.024 (J)	
6/16/2010	0.022 (J)	
7/28/2010	0.023 (J)	
9/8/2010	0.023 (J)	
4/29/2011	0.022 (J)	
10/27/2011	0.022	
5/4/2012	0.019	
11/11/2012	0.025 (V)	
5/9/2013	0.024	
11/5/2013	0.025	
5/21/2014	0.024	
11/12/2014	0.026	
5/23/2015	0.026	
11/12/2015	0.026	
4/13/2016	0.0258 (D)	
6/21/2016	0.0286	
8/15/2016	0.024	
10/5/2016	<0.028	
12/1/2016	0.028	
2/8/2017	0.027	
4/6/2017	0.027	
6/21/2017	0.031	
10/5/2017	0.029	
3/21/2018	<0.028 (X)	
10/2/2018	0.029	
3/27/2019		0.027
9/11/2019		0.033
3/18/2020		0.036
9/9/2020		0.036
4/1/2021		0.034

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.018 (J)	
6/16/2010	0.018 (J)	
7/27/2010	0.018 (J)	
9/8/2010	0.017 (J)	
4/29/2011	0.016 (J)	
10/27/2011	0.015	
5/4/2012	0.014	
11/10/2012	0.016 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/20/2014	0.016	
11/12/2014	0.017	
5/24/2015	0.017	
11/12/2015	0.016	
4/13/2016	0.0159 (D)	
6/21/2016	0.018	
8/15/2016	0.015	
10/5/2016	<0.016	
12/1/2016	0.016	
2/8/2017	0.015	
4/6/2017	0.016	
6/20/2017	0.016	
10/5/2017	0.016	
3/21/2018	<0.016 (X)	
10/2/2018	0.016	
3/27/2019	0.015	
9/11/2019	0.017	
3/18/2020	0.019	
9/10/2020	0.02	
4/1/2021		0.018

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	0.017 (J)	
6/18/2010	0.014 (J)	
7/27/2010	0.015 (J)	
9/8/2010	0.013 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.013	
5/3/2012	0.012	
11/10/2012	0.015 (V)	
5/9/2013	0.015	
11/6/2013	0.015	
5/20/2014	0.015	
11/12/2014	0.018	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0166 (D)	
6/21/2016	0.0173	
8/15/2016	0.015	
10/5/2016	<0.017	
12/1/2016	0.016	
2/8/2017	0.016	
4/5/2017	0.016	
6/20/2017	0.017	
10/5/2017	0.017	
3/21/2018	<0.017 (X)	
10/2/2018	0.016	
3/26/2019	0.017	
9/11/2019	0.017	
3/18/2020	0.018	
9/10/2020	0.019	
4/1/2021		0.018

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.029 (J)	
6/18/2010	0.028 (J)	
7/29/2010	0.029 (J)	
9/9/2010	0.028 (J)	
4/26/2011	0.038 (J)	
10/28/2011	0.026	
5/4/2012	0.024	
11/11/2012	0.027 (V)	
5/8/2013	0.045	
11/7/2013	0.026	
5/20/2014	0.024	
11/12/2014	0.029	
5/24/2015	0.027	
11/12/2015	0.029	
4/13/2016	0.029 (D)	
6/21/2016	0.0306	
8/15/2016	0.026	
10/7/2016	0.031	
12/1/2016	0.031	
2/9/2017	0.032	
4/6/2017	0.029	
6/22/2017	0.034	
10/6/2017	0.031	
3/22/2018	0.034	
10/3/2018	0.03	
3/26/2019		0.035
9/11/2019		0.035
3/18/2020		0.058
9/10/2020		0.037
4/6/2021		0.038

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	0.01 (J)	
6/18/2010	0.0097 (J)	
7/28/2010	0.0096 (J)	
9/9/2010	0.01 (J)	
4/30/2011	0.0096 (J)	
10/28/2011	0.0064 (O)	
5/3/2012	0.0054 (O)	
11/10/2012	0.0094 (J)	
5/8/2013	0.0093 (J)	
11/5/2013	0.009 (J)	
5/20/2014	0.009 (J)	
11/12/2014	0.0098 (J)	
5/24/2015	0.0096 (J)	
11/11/2015	0.0092 (J)	
4/13/2016	0.00929 (JD)	
6/21/2016	0.0106	
8/15/2016	0.0077	
10/4/2016	<0.0091	
12/1/2016	0.0089	
2/7/2017	0.0089	
4/6/2017	0.0085	
6/20/2017	0.0097	
10/5/2017	0.0096	
3/20/2018	0.0091	
10/2/2018	0.0096	
3/26/2019	0.0092	
9/11/2019	0.011	
3/18/2020	0.0099 (J)	
9/9/2020	0.01	
4/1/2021		0.0095 (J)

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.039 (J)	
6/16/2010	0.041 (J)	
7/26/2010	0.04 (J)	
9/7/2010	0.038 (J)	
4/29/2011	0.034 (J)	
10/28/2011	0.035	
5/2/2012	0.038	
11/9/2012	0.035 (V)	
5/8/2013	0.037	
11/6/2013	0.036 (V)	
5/23/2014	0.036	
11/8/2014	0.038	
5/22/2015	0.035	
11/10/2015	0.032	
4/11/2016	0.0352	
6/16/2016	0.033	
8/11/2016	0.035	
10/5/2016	<0.032	
11/29/2016	0.034	
2/8/2017	0.032	
4/6/2017	0.031	
6/21/2017	0.035	
10/5/2017	0.034	
3/20/2018	0.033	
10/2/2018	0.032	
3/26/2019	0.033	
9/11/2019	0.035	
3/18/2020	0.036	
9/9/2020	0.036	
4/1/2021		0.035

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.018 (J)	
6/16/2010	0.017 (J)	
7/27/2010	0.016 (J)	
9/7/2010	0.017 (J)	
4/29/2011	0.018 (J)	
10/28/2011	0.016	
5/2/2012	0.018	
11/9/2012	0.017 (V)	
5/9/2013	0.017	
11/6/2013	0.018 (V)	
5/22/2014	0.016	
11/8/2014	0.018	
5/23/2015	0.018	
11/10/2015	0.017	
4/11/2016	0.0191	
6/16/2016	0.017	
8/11/2016	0.015	
10/5/2016	<0.018	
11/29/2016	0.017	
2/8/2017	0.017	
4/5/2017	0.017	
6/21/2017	0.019	
10/5/2017	0.018	
3/20/2018	0.019	
10/2/2018	0.018	
3/26/2019		0.018
9/12/2019		0.026
3/19/2020		0.025
9/9/2020		0.026
4/5/2021		0.028

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.048 (J)	
6/19/2010	0.033 (J)	
7/27/2010	0.047 (J)	
9/9/2010	0.045 (J)	
4/28/2011	0.048 (J)	
10/28/2011	0.044	
5/3/2012	0.047	
11/9/2012	0.055 (V)	
5/9/2013	0.049	
11/5/2013	0.045	
5/22/2014	0.04	
11/13/2014	0.045	
5/24/2015	0.045	
11/11/2015	0.045	
4/12/2016	0.0519	
6/16/2016	0.045	
8/11/2016	0.04	
10/4/2016	0.044	
11/30/2016	0.044	
2/7/2017	0.044	
4/6/2017	0.041	
6/20/2017	0.045	
10/4/2017	0.047	
3/20/2018	0.045	
10/2/2018	0.044	
3/26/2019	0.045	
9/10/2019	0.047	
3/18/2020	0.048	
9/9/2020	0.047	
4/1/2021		0.044

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.032 (J)	
6/17/2010	0.031 (J)	
7/27/2010	0.035 (J)	
9/7/2010	0.032 (J)	
4/29/2011	0.031 (J)	
10/28/2011	0.03	
5/3/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.029	
11/6/2013	0.03 (V)	
5/22/2014	0.029	
11/9/2014	0.032	
5/24/2015	0.029	
11/10/2015	0.026	
4/12/2016	0.033	
6/16/2016	0.028	
8/11/2016	0.026	
10/5/2016	0.03	
11/30/2016	0.03	
2/8/2017	0.033	
4/6/2017	0.033	
6/21/2017	0.03	
10/5/2017	0.028	
3/21/2018	<0.03 (X)	
10/3/2018	0.028	
3/26/2019	0.03	
9/12/2019	0.035	
3/19/2020	0.032	
9/10/2020	0.031	
4/5/2021		0.029

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.039	
6/17/2010	0.017	
7/28/2010	0.071 (O)	
9/7/2010	0.026	
4/29/2011	0.016	
10/28/2011	0.014	
5/3/2012	0.017	
11/9/2012	0.022 (V)	
5/10/2013	0.025	
11/6/2013	0.015	
5/22/2014	0.016	
11/9/2014	0.017	
5/22/2015	0.017	
11/10/2015	0.018	
4/12/2016	0.0169 (D)	
6/20/2016	0.014	
8/12/2016	0.018	
10/5/2016	0.015	
11/30/2016	0.018	
2/8/2017	0.018	
4/6/2017	0.017	
6/21/2017	0.02	
10/5/2017	0.017	
3/21/2018	<0.018 (X)	
10/3/2018	0.016	
3/26/2019	0.015	
9/10/2019	0.014	
3/18/2020	0.013	
9/10/2020	0.015	
4/6/2021		0.014

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.031 (J)	
6/17/2010	0.033 (J)	
7/28/2010	0.033 (J)	
9/8/2010	0.033 (J)	
4/28/2011	0.039 (J)	
10/29/2011	0.029	
5/3/2012	0.036	
11/10/2012	0.032 (V)	
5/10/2013	0.035	
11/6/2013	0.037	
5/22/2014	0.031	
11/9/2014	0.034	
5/22/2015	0.039	
11/11/2015	0.042	
4/12/2016	0.0386	
6/20/2016	0.031	
8/12/2016	0.033	
10/6/2016	0.042	
11/30/2016	0.04	
2/8/2017	0.042	
4/6/2017	0.041	
6/22/2017	0.047	
10/6/2017	0.045	
3/21/2018	0.045	
10/3/2018	0.042	
3/26/2019	0.053	
9/10/2019	0.037	
3/19/2020	0.045	
9/10/2020	0.045	
4/2/2021		0.047

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.034 (J)	
6/18/2010	0.028 (J)	
7/27/2010	0.026 (J)	
9/9/2010	0.022 (J)	
4/29/2011	0.016 (J)	
10/28/2011	0.014	
5/4/2012	0.017	
11/10/2012	0.014 (V)	
5/9/2013	0.016	
11/6/2013	0.016	
5/22/2014	0.016	
11/9/2014	0.018	
5/24/2015	0.11	
11/11/2015	0.12	
4/19/2016	0.099	
6/22/2016	0.074	
8/16/2016	0.045	
10/6/2016	0.046	
12/1/2016	0.046	
2/9/2017	0.055	
4/6/2017	0.057	
6/21/2017	0.062	
10/5/2017	0.052	
3/22/2018	0.048	
10/3/2018	0.036	
3/27/2019	0.038	
9/11/2019	0.039	
3/18/2020	0.04	
9/9/2020	0.033	
4/1/2021		0.04

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.053 (J)	
6/18/2010	0.055 (J)	
7/27/2010	0.053 (J)	
9/9/2010	0.05 (J)	
4/30/2011	0.05 (J)	
10/29/2011	0.045	
5/4/2012	0.051	
11/10/2012	0.048 (V)	
5/9/2013	0.048	
11/7/2013	0.049	
5/21/2014	0.048	
11/9/2014	0.053	
5/24/2015	0.061	
11/11/2015	0.063	
4/12/2016	0.0626	
6/20/2016	0.057	
8/12/2016	0.053	
10/6/2016	0.053	
11/30/2016	0.06	
2/9/2017	0.054	
4/6/2017	0.055	
6/21/2017	0.063	
10/6/2017	0.054	
3/21/2018	0.056	
10/3/2018	0.051	
3/26/2019	0.052	
9/11/2019	0.059	
3/18/2020	0.05	
9/10/2020	0.056	
4/5/2021		0.054

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.029 (J)	
6/18/2010	0.044 (J)	
7/28/2010	0.028 (J)	
9/9/2010	0.029 (J)	
4/30/2011	0.025 (J)	
10/29/2011	0.026	
5/4/2012	0.032	
11/10/2012	0.028 (V)	
5/9/2013	0.03	
11/7/2013	0.031	
5/21/2014	0.029	
11/12/2014	0.031	
5/24/2015	0.039	
11/11/2015	0.032	
4/13/2016	0.0328 (D)	
6/20/2016	0.03	
8/15/2016	0.033	
10/6/2016	0.032	
12/1/2016	0.034	
2/9/2017	0.032	
4/7/2017	0.031	
6/22/2017	0.035	
10/6/2017	0.034	
3/22/2018	0.035	
10/4/2018	0.031	
3/27/2019	0.033	
9/11/2019	0.035	
3/19/2020	0.036	
9/10/2020	0.039	
4/1/2021		0.036

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.05 (J)	
6/19/2010	0.045 (J)	
7/28/2010	0.046 (J)	
9/8/2010	0.071 (J)	
4/30/2011	0.098 (J)	
10/27/2011	0.048	
5/4/2012	0.055	
11/11/2012	0.05 (V)	
5/10/2013	0.12	
11/7/2013	0.044	
5/21/2014	0.037	
11/13/2014	0.085	
5/23/2015	0.054	
11/11/2015	0.059	
4/19/2016	0.0415	
10/10/2016	0.034	
12/1/2016	0.037	
2/9/2017	0.043	
4/7/2017	0.019	
6/21/2017	0.017	
8/15/2017	0.021	
9/1/2017	0.02	
10/9/2017	0.019	
3/22/2018	0.019	
10/4/2018	0.012	
3/27/2019	0.025	
9/11/2019	0.022	
3/18/2020	0.043	
9/9/2020	0.053	
4/5/2021		0.045

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.026 (J)	
6/16/2010	0.026 (J)	
7/27/2010	0.029 (J)	
9/8/2010	0.027 (J)	
4/29/2011	0.02 (J)	
10/27/2011	0.02	
5/3/2012	0.021	
11/11/2012	0.028 (V)	
5/9/2013	0.026	
11/6/2013	0.026	
5/21/2014	0.023	
11/12/2014	0.038	
5/23/2015	0.021	
11/12/2015	0.02	
4/13/2016	0.0164 (D)	
6/22/2016	0.0238	
8/15/2016	0.02	
10/6/2016	0.021	
12/1/2016	0.025	
2/8/2017	0.017	
4/6/2017	0.019	
6/21/2017	0.026	
10/5/2017	0.022	
3/21/2018	<0.021 (X)	
10/2/2018	0.023	
3/27/2019	0.018	
9/11/2019	0.028	
3/18/2020	0.013	
9/9/2020	0.025	
4/1/2021		0.018

Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	0.0021	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/20/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00018 (J)	
4/1/2021		<0.0025

Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.00038 (J)

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00013 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.001 (J)	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		0.00038 (J)

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	0.001	
4/30/2011	0.0014	
10/27/2011	0.0011	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0016	
11/7/2013	0.001	
5/21/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	0.000379 (J)	
10/10/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	0.00037 (J)	
4/7/2017	<0.0025	
6/21/2017	<0.0025	
8/15/2017	<0.0025	
9/1/2017	<0.0025	
10/9/2017	<0.0025	
3/22/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/5/2021		0.0003 (J)

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	<0.002	
4/6/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
10/4/2016	<0.002	
11/30/2016	<0.002	
2/7/2017	<0.002	
4/4/2017	<0.002	
6/20/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002 (D)	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0023 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.003 (J)	
6/16/2010	0.0042 (J)	
7/27/2010	0.0048 (J)	
9/7/2010	0.0037 (J)	
4/29/2011	0.0046 (J)	
10/28/2011	0.005	
5/2/2012	0.0052	
11/9/2012	0.0054	
5/8/2013	0.0058	
11/6/2013	0.0062 (J)	
5/20/2014	0.0047 (J)	
11/8/2014	0.0064 (J)	
5/22/2015	0.0059 (J)	
11/9/2015	0.0043 (J)	
4/6/2016	0.00457 (J)	
6/15/2016	<0.01	
8/10/2016	0.0042	
10/4/2016	0.0052	
11/29/2016	0.004	
2/7/2017	0.004	
4/4/2017	0.0021 (J)	
6/20/2017	0.0046	
10/5/2017	0.005	
3/20/2018	0.0044	
10/2/2018	0.0043	
3/26/2019	0.0046	
9/10/2019	0.0076	
3/18/2020	0.0044	
9/9/2020	0.005	
4/1/2021		0.0053

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.0032 (J)	
6/16/2010	0.0037 (J)	
7/26/2010	0.0058	
9/7/2010	0.0078	
4/29/2011	0.005	
10/28/2011	0.0068	
5/2/2012	0.0065	
11/9/2012	0.006	
5/8/2013	0.0074	
11/6/2013	0.0082 (J)	
5/20/2014	0.0051 (J)	
11/8/2014	0.0074 (J)	
5/22/2015	0.0084 (J)	
11/9/2015	0.009 (J)	
4/6/2016	0.00779 (J)	
6/15/2016	<0.01	
8/10/2016	0.0068	
10/5/2016	0.0076	
11/29/2016	0.0045	
2/7/2017	0.0067	
4/4/2017	0.0079	
6/20/2017	0.0084	
10/5/2017	0.0061	
3/20/2018	0.006	
10/2/2018	0.0061	
3/26/2019	0.0065	
9/10/2019	0.012	
3/18/2020	0.0083	
9/9/2020	0.0088	
4/1/2021		0.0082

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.0077	
6/17/2010	0.0053	
7/27/2010	0.0085	
9/9/2010	0.0076	
4/28/2011	0.0048 (J)	
10/29/2011	0.0093	
5/3/2012	0.01	
11/9/2012	0.009	
5/9/2013	0.0085	
11/5/2013	0.015	
5/23/2014	0.012	
11/13/2014	0.011	
5/23/2015	0.012	
11/11/2015	0.014	
4/12/2016	0.0135	
6/16/2016	0.014	
8/11/2016	0.013	
10/4/2016	0.014	
11/30/2016	0.013	
2/7/2017	0.013	
4/5/2017	0.014	
6/20/2017	0.013	
10/4/2017	0.015	
3/20/2018	0.013	
10/2/2018	0.014	
3/26/2019	0.013	
9/10/2019	0.018	
3/18/2020	0.014	
9/9/2020	0.014	
4/1/2021		0.014

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.0095	
7/28/2010	0.01	
9/8/2010	0.011	
4/29/2011	0.0096	
10/27/2011	0.011	
5/4/2012	0.01	
11/11/2012	0.01	
5/9/2013	0.011	
11/5/2013	0.015	
5/21/2014	0.013	
11/12/2014	0.012	
5/23/2015	0.014	
11/12/2015	0.016	
4/13/2016	0.0152 (D)	
6/21/2016	0.016	
8/15/2016	0.015	
10/5/2016	0.016	
12/1/2016	0.015	
2/8/2017	0.017	
4/6/2017	0.018	
6/21/2017	0.017	
10/5/2017	0.018	
3/21/2018	0.017 (J+X)	
10/2/2018	0.018	
3/27/2019		0.017
9/11/2019		0.023
3/18/2020		0.02
9/9/2020		0.018
4/1/2021		0.02

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.011	
6/16/2010	0.012	
7/27/2010	0.012	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.0077	
5/4/2012	0.0082	
11/10/2012	0.007	
5/9/2013	0.0079	
11/6/2013	0.011	
5/20/2014	0.0076 (J)	
11/12/2014	0.0071 (J)	
5/24/2015	0.0083 (J)	
11/12/2015	0.0069 (J)	
4/13/2016	0.00804 (JD)	
6/21/2016	0.0086 (J)	
8/15/2016	0.0073	
10/5/2016	0.0077	
12/1/2016	0.0075	
2/8/2017	0.0078	
4/6/2017	0.0079	
6/20/2017	0.0078	
10/5/2017	0.0081	
3/21/2018	<0.0081 (X)	
10/2/2018	0.0075	
3/27/2019	0.007	
9/11/2019	0.011	
3/18/2020	0.0086	
9/10/2020	0.009	
4/1/2021		0.0078

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.002	
6/18/2010	<0.002	
7/27/2010	0.002 (J)	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	0.0031 (J)	
5/20/2014	0.002 (J)	
11/12/2014	<0.002	
5/23/2015	0.0027 (J)	
11/12/2015	0.0022 (J)	
4/13/2016	<0.002 (D)	
6/21/2016	0.0012 (J)	
8/15/2016	0.0021 (J)	
10/5/2016	0.0013 (J)	
12/1/2016	0.0015 (J)	
2/8/2017	0.0016 (J)	
4/5/2017	0.0014 (J)	
6/20/2017	0.0015 (J)	
10/5/2017	0.0015 (J)	
3/21/2018	<0.002 (XD)	
10/2/2018	0.0012 (J)	
3/26/2019	0.0013 (J)	
9/11/2019	0.0036	
3/18/2020	0.0016 (J)	
9/10/2020	<0.002	
4/1/2021		0.0015 (J)

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	0.0051	
6/18/2010	0.0043 (J)	
7/29/2010	0.0058	
9/9/2010	0.0052	
4/26/2011	0.0025 (J)	
10/28/2011	0.0035 (J)	
5/4/2012	0.0073	
11/11/2012	0.004 (J)	
5/8/2013	0.006	
11/7/2013	0.0068 (J)	
5/20/2014	0.0039 (J)	
11/12/2014	0.0039 (J)	
5/24/2015	0.004 (J)	
11/12/2015	0.0077 (J)	
4/13/2016	0.0038 (JD)	
6/21/2016	0.0035 (J)	
8/15/2016	0.0034	
10/7/2016	0.0037	
12/1/2016	0.0037	
2/9/2017	0.0038	
4/6/2017	0.0039	
6/22/2017	0.0042	
10/6/2017	0.0039	
3/22/2018	0.028 (O)	
10/3/2018	0.0056	
3/26/2019	0.0048	
9/11/2019	0.0075	
3/18/2020	0.008	
9/10/2020	0.0054	
4/6/2021		0.0061

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	0.0036	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
6/21/2016	0.0006 (J)	
8/15/2016	<0.002	
10/4/2016	<0.002	
12/1/2016	<0.002	
2/7/2017	<0.002	
4/6/2017	<0.002	
6/20/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.0038	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.012	
6/16/2010	0.014	
7/26/2010	0.013	
9/7/2010	0.015	
4/29/2011	0.014	
10/28/2011	0.014	
5/2/2012	0.017	
11/9/2012	0.014	
5/8/2013	0.017	
11/6/2013	0.017	
5/23/2014	0.013	
11/8/2014	0.018	
5/22/2015	0.02	
11/10/2015	0.013	
4/11/2016	0.0139	
6/16/2016	0.014	
8/11/2016	0.016	
10/5/2016	0.014	
11/29/2016	0.013	
2/8/2017	0.013	
4/6/2017	0.014	
6/21/2017	0.013	
10/5/2017	0.014	
3/20/2018	0.014	
10/2/2018	0.014	
3/26/2019	0.014	
9/11/2019	0.017	
3/18/2020	0.014	
9/9/2020	0.013	
4/1/2021		0.014

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.0039 (J)	
6/16/2010	0.0049 (J)	
7/27/2010	0.0047 (J)	
9/7/2010	0.0057	
4/29/2011	0.0087	
10/28/2011	0.0075	
5/2/2012	0.011	
11/9/2012	0.0076	
5/9/2013	0.0088	
11/6/2013	0.011	
5/22/2014	0.0057 (J)	
11/8/2014	0.013	
5/23/2015	0.014	
11/10/2015	0.0091 (J)	
4/11/2016	0.00767 (J)	
6/16/2016	<0.01	
8/11/2016	0.0085	
10/5/2016	0.01	
11/29/2016	0.0087	
2/8/2017	0.0093	
4/5/2017	0.0098	
6/21/2017	0.0094	
10/5/2017	0.0096	
3/20/2018	0.0097	
10/2/2018	0.0097	
3/26/2019	0.0091	
9/12/2019	0.012	
3/19/2020	0.012	
9/9/2020	0.011	
4/5/2021		0.012

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0051	
6/19/2010	<0.011	
7/27/2010	0.01	
9/9/2010	0.0072	
4/28/2011	0.0077	
10/28/2011	0.011	
5/3/2012	0.011	
11/9/2012	0.0089	
5/9/2013	0.0089	
11/5/2013	0.011	
5/22/2014	0.01	
11/13/2014	0.0084 (J)	
5/24/2015	0.0095 (J)	
11/11/2015	0.011	
4/12/2016	0.0122	
6/16/2016	<0.011	
8/11/2016	0.01	
10/4/2016	0.011	
11/30/2016	0.0098	
2/7/2017	0.0096	
4/6/2017	0.01	
6/20/2017	0.01	
10/4/2017	0.011	
3/20/2018	0.0099	
10/2/2018	0.01	
3/26/2019	0.0096	
9/10/2019	0.014	
3/18/2020	0.011	
9/9/2020	0.01	
4/1/2021		0.0057

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.0063	
6/17/2010	0.0053	
7/27/2010	0.0064	
9/7/2010	0.0078	
4/29/2011	0.0065	
10/28/2011	0.0092	
5/3/2012	0.011	
11/10/2012	0.0073	
5/9/2013	0.0098	
11/6/2013	0.011	
5/22/2014	0.0097 (J)	
11/9/2014	0.012	
5/24/2015	0.016	
11/10/2015	0.0088 (J)	
4/12/2016	0.00965 (J)	
6/16/2016	<0.0085	
8/11/2016	0.0083	
10/5/2016	0.0094	
11/30/2016	0.0084	
2/8/2017	0.0091	
4/6/2017	0.011	
6/21/2017	0.0081	
10/5/2017	0.0083	
3/21/2018	<0.0085 (X)	
10/3/2018	0.0091	
3/26/2019	0.0092	
9/12/2019	0.011	
3/19/2020	0.0094	
9/10/2020	0.009	
4/5/2021		0.008

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.01	
6/17/2010	0.0087	
7/28/2010	0.028 (O)	
9/7/2010	0.022	
4/29/2011	0.0099	
10/28/2011	0.0089	
5/3/2012	0.0091	
11/9/2012	0.008	
5/10/2013	0.019	
11/6/2013	0.013	
5/22/2014	0.0093 (J)	
11/9/2014	0.0098 (J)	
5/22/2015	0.01	
11/10/2015	0.011	
4/12/2016	0.00925 (JD)	
6/20/2016	0.0076 (J)	
8/12/2016	0.0079	
10/5/2016	0.0085	
11/30/2016	0.0086	
2/8/2017	0.011	
4/6/2017	0.0098	
6/21/2017	0.011	
10/5/2017	0.01	
3/21/2018	<0.0093 (X)	
10/3/2018	0.0081	
3/26/2019	0.0075	
9/10/2019	0.0092	
3/18/2020	0.0049	
9/10/2020	0.0061	
4/6/2021		0.0074

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.0046 (J)	
6/17/2010	0.007	
7/28/2010	0.0084	
9/8/2010	0.0071	
4/28/2011	0.008	
10/29/2011	0.0054	
5/3/2012	0.0065	
11/10/2012	0.0059	
5/10/2013	0.0083	
11/6/2013	0.0099 (J)	
5/22/2014	0.0049 (J)	
11/9/2014	0.0068 (J)	
5/22/2015	0.0087 (J)	
11/11/2015	0.0084 (J)	
4/12/2016	0.00419 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.0062	
11/30/2016	0.0043	
2/8/2017	0.0052	
4/6/2017	0.005	
6/22/2017	0.0052	
10/6/2017	0.0049	
3/21/2018	<0.0062 (X)	
10/3/2018	0.0039	
3/26/2019	0.0084	
9/10/2019	0.0067	
3/19/2020	0.0045	
9/10/2020	0.0055	
4/2/2021		0.0052

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.004 (J)	
6/18/2010	0.0056	
7/27/2010	0.0051	
9/9/2010	0.0037 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	0.0026 (J)	
5/4/2012	0.0031 (J)	
11/10/2012	<0.005	
5/9/2013	0.0033 (J)	
11/6/2013	0.0045 (J)	
5/22/2014	0.0035 (J)	
11/9/2014	0.0062 (J)	
5/24/2015	0.012	
11/11/2015	0.0068 (J)	
4/19/2016	0.00368 (J)	
6/22/2016	0.0031 (J)	
8/16/2016	0.0028	
10/6/2016	0.003	
12/1/2016	0.0022 (J)	
2/9/2017	0.0035	
4/6/2017	0.0032	
6/21/2017	0.0031	
10/5/2017	0.0029	
3/22/2018	0.0086 (J+X)	
10/3/2018	0.003	
3/27/2019	0.0039	
9/11/2019	0.0079	
3/18/2020	0.0052	
9/9/2020	0.0048	
4/1/2021		0.0058

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.012	
6/18/2010	0.0063	
7/27/2010	0.004 (J)	
9/9/2010	0.0053	
4/30/2011	0.0035 (J)	
10/29/2011	0.0048 (J)	
5/4/2012	0.0064	
11/10/2012	0.0084	
5/9/2013	0.0041 (J)	
11/7/2013	0.0077 (J)	
5/21/2014	0.0044 (J)	
11/9/2014	0.0071 (J)	
5/24/2015	0.01	
11/11/2015	0.0053 (J)	
4/12/2016	0.00493 (J)	
6/20/2016	0.0043 (J)	
8/12/2016	0.0037	
10/6/2016	0.004	
11/30/2016	0.0035	
2/9/2017	0.0041	
4/6/2017	0.0038	
6/21/2017	0.004	
10/6/2017	0.0038	
3/21/2018	<0.012 (X)	
10/3/2018	0.0042	
3/26/2019	0.0044	
9/11/2019	0.0078	
3/18/2020	0.0046	
9/10/2020	0.0049	
4/5/2021		0.005

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.007	
6/18/2010	0.011	
7/28/2010	0.0092	
9/9/2010	0.01	
4/30/2011	0.012	
10/29/2011	0.012	
5/4/2012	0.013	
11/10/2012	0.0097	
5/9/2013	0.013	
11/7/2013	0.013	
5/21/2014	0.0091 (J)	
11/12/2014	0.0097 (J)	
5/24/2015	0.018	
11/11/2015	0.0086 (J)	
4/13/2016	0.00924 (JD)	
6/20/2016	0.0084 (J)	
8/15/2016	0.0083	
10/6/2016	0.0081	
12/1/2016	0.0083	
2/9/2017	0.0087	
4/7/2017	0.009	
6/22/2017	0.0092	
10/6/2017	0.0095	
3/22/2018	0.0086 (J+X)	
10/4/2018	0.0083	
3/27/2019	0.0088	
9/11/2019	0.013	
3/19/2020	0.011	
9/10/2020	0.0098	
4/1/2021		0.0091

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.002	
6/19/2010	<0.002	
7/28/2010	0.0034 (J)	
9/8/2010	0.014	
4/30/2011	0.022	
10/27/2011	0.0064	
5/4/2012	0.0059	
11/11/2012	0.011	
5/10/2013	0.038 (O)	
11/7/2013	0.012	
5/21/2014	0.0048 (J)	
11/13/2014	0.023	
5/23/2015	0.015	
11/11/2015	0.016	
4/19/2016	0.0086 (J)	
10/10/2016	0.0052	
12/1/2016	0.0062	
2/9/2017	0.0091	
4/7/2017	<0.002	
6/21/2017	<0.002	
8/15/2017	<0.002	
9/1/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	0.0079 (J+X)	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.0052	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.0097	
6/16/2010	0.0074	
7/27/2010	0.0068	
9/8/2010	0.007	
4/29/2011	0.0062	
10/27/2011	0.0084	
5/3/2012	0.0099	
11/11/2012	0.0073	
5/9/2013	0.0085	
11/6/2013	0.013	
5/21/2014	0.0097 (J)	
11/12/2014	0.0072 (J)	
5/23/2015	0.0095 (J)	
11/12/2015	0.0046 (J)	
4/13/2016	0.00627 (JD)	
6/22/2016	0.0079 (J)	
8/15/2016	0.0075	
10/6/2016	0.0071	
12/1/2016	0.007	
2/8/2017	0.0047	
4/6/2017	0.006	
6/21/2017	0.0071	
10/5/2017	0.008	
3/21/2018	<0.0046 (X)	
10/2/2018	0.0081	
3/27/2019	0.0064	
9/11/2019	0.012	
3/18/2020	0.0066	
9/9/2020	0.0081	
4/1/2021		0.0018 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0025	
6/18/2010	<0.0025	
7/28/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/6/2016	0.00261 (O)	
6/15/2016	0.00092 (J)	
8/10/2016	0.00076 (J)	
10/4/2016	0.00081 (J)	
11/30/2016	0.00061 (J)	
2/7/2017	<0.0025	
4/4/2017	0.00084 (J)	
6/20/2017	0.0012 (J)	
10/4/2017	0.00087 (J)	
3/20/2018	0.0018 (JD)	
10/2/2018	0.0011 (J)	
3/26/2019	0.0019 (J)	
9/10/2019	0.0012 (J)	
3/18/2020	0.0017 (J)	
9/9/2020	0.0016 (J)	
4/1/2021		0.0024 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	0.003 (O)	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	2.2E-05 (J)	
8/10/2016	<0.0025	
10/4/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00031 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	<0.0025	
4/1/2021		0.00014 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/9/2015	<0.0025	
4/6/2016	<0.0025	
6/15/2016	8.4E-05 (J)	
8/10/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/7/2017	<0.0025	
4/4/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00052 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00019 (J)	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/13/2014	<0.0025	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/5/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	0.00017 (J)	
9/9/2020	<0.0025	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/20/2014	<0.0025	
11/12/2014	<0.0025	
5/24/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/21/2016	<0.0025	
8/15/2016	<0.0025	
10/5/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	0.00033 (J)	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0004	
6/18/2010	<0.0004	
7/27/2010	<0.0004	
9/8/2010	<0.0004	
4/29/2011	<0.0004	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/6/2013	<0.0004	
5/20/2014	<0.0004	
11/12/2014	<0.0004	
5/23/2015	<0.0004	
11/12/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/21/2016	0.0004 (J)	
8/15/2016	0.00042 (J)	
10/5/2016	0.00049 (J)	
12/1/2016	<0.0004	
2/8/2017	<0.0004	
4/5/2017	<0.0004	
6/20/2017	0.0004 (J)	
10/5/2017	0.00041 (J)	
3/21/2018	<0.0004	
10/2/2018	<0.0004	
3/26/2019	<0.0004	
9/11/2019	0.00042 (J)	
3/18/2020	0.00013 (J)	
9/10/2020	0.00057 (J)	
4/1/2021		0.00028 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/26/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/8/2013	<0.0025	
11/6/2013	<0.0025	
5/23/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	0.0032 (O)	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	0.00023 (J)	
3/18/2020	0.00018 (J)	
9/9/2020	0.00014 (J)	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/2/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/8/2014	<0.0025	
5/23/2015	<0.0025	
11/10/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/29/2016	<0.0025	
2/8/2017	<0.0025	
4/5/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00014 (J)	
9/9/2020	<0.0025	
4/5/2021		<0.0025

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0025	
6/19/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/28/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/9/2012	<0.0025	
5/9/2013	<0.0025	
11/5/2013	<0.0025	
5/22/2014	<0.0025	
11/13/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
10/4/2016	<0.0025	
11/30/2016	<0.0025	
2/7/2017	<0.0025	
4/6/2017	<0.0025	
6/20/2017	<0.0025	
10/4/2017	<0.0025	
3/20/2018	<0.0025	
10/2/2018	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00015 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/27/2010	<0.0025	
9/7/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/10/2015	<0.0025	
4/12/2016	<0.0025	
6/16/2016	0.00012 (J)	
8/11/2016	<0.0025	
10/5/2016	<0.0025	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	0.0005 (J)	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/12/2019	0.00021 (J)	
3/19/2020	0.00026 (J)	
9/10/2020	0.00018 (J)	
4/5/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0004	
6/17/2010	<0.0004	
7/28/2010	0.0034 (O)	
9/7/2010	<0.0004	
4/29/2011	0.0037 (O)	
10/28/2011	<0.0004	
5/3/2012	<0.0004	
11/9/2012	<0.0004	
5/10/2013	<0.0004	
11/6/2013	<0.0004	
5/22/2014	<0.0004	
11/9/2014	<0.0004	
5/22/2015	<0.0004	
11/10/2015	<0.0004	
4/12/2016	<0.0004 (D)	
6/20/2016	0.0001 (J)	
8/12/2016	0.00042 (J)	
10/5/2016	<0.0004	
11/30/2016	<0.0004	
2/8/2017	<0.0004	
4/6/2017	<0.0004	
6/21/2017	0.00042 (J)	
10/5/2017	<0.0004	
3/21/2018	<0.0004	
10/3/2018	<0.0004	
3/26/2019	<0.0004	
9/10/2019	0.00028 (J)	
3/18/2020	0.00014 (J)	
9/10/2020	0.00023 (J)	
4/6/2021		0.00031 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0025	
6/17/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/28/2011	<0.0025	
10/29/2011	<0.0025	
5/3/2012	<0.0025	
11/10/2012	<0.0025	
5/10/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/22/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	0.00016 (J)	
8/12/2016	<0.0025	
10/6/2016	0.00068 (J)	
11/30/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/22/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	0.00096 (J)	
9/10/2019	<0.0025	
3/19/2020	0.00021 (J)	
9/10/2020	0.00032 (J)	
4/2/2021		0.00026 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/29/2011	<0.0025	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/22/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
6/22/2016	<0.0025	
8/16/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	9.9E-05 (J)	
3/18/2020	<0.0025	
9/9/2020	<0.0025	
4/1/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.0025	
6/18/2010	<0.0025	
7/27/2010	<0.0025	
9/9/2010	<0.0025	
4/30/2011	<0.0025	
10/29/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	<0.0025	
5/9/2013	<0.0025	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/9/2014	<0.0025	
5/24/2015	<0.0025	
11/11/2015	<0.0025	
4/12/2016	<0.0025	
6/20/2016	3E-05 (J)	
8/12/2016	<0.0025	
10/6/2016	<0.0025	
11/30/2016	<0.0025	
2/9/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/6/2017	<0.0025	
3/21/2018	<0.0025	
10/3/2018	<0.0025	
3/26/2019	<0.0025	
9/11/2019	8.7E-05 (J)	
3/18/2020	<0.0025	
9/10/2020	<0.0025	
4/5/2021		0.00015 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0004	
6/18/2010	<0.0004	
7/28/2010	<0.0004	
9/9/2010	<0.0004	
4/30/2011	<0.0004	
10/29/2011	<0.0004	
5/4/2012	<0.0004	
11/10/2012	<0.0004	
5/9/2013	<0.0004	
11/7/2013	<0.0004	
5/21/2014	<0.0004	
11/12/2014	<0.0004	
5/24/2015	<0.0004	
11/11/2015	<0.0004	
4/13/2016	<0.0004 (D)	
6/20/2016	8.6E-05 (J)	
8/15/2016	<0.0004	
10/6/2016	<0.0004	
12/1/2016	<0.0004	
2/9/2017	<0.0004	
4/7/2017	<0.0004	
6/22/2017	<0.0004	
10/6/2017	<0.0004	
3/22/2018	<0.0004	
10/4/2018	<0.0004	
3/27/2019	<0.0004	
9/11/2019	0.00016 (J)	
3/19/2020	0.00013 (J)	
9/10/2020	0.00038 (J)	
4/1/2021		0.00015 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0025	
6/19/2010	<0.0025	
7/28/2010	<0.0025	
9/8/2010	<0.0025	
4/30/2011	0.0063 (O)	
10/27/2011	<0.0025	
5/4/2012	<0.0025	
11/11/2012	<0.0025	
5/10/2013	0.0068 (O)	
11/7/2013	<0.0025	
5/21/2014	<0.0025	
11/13/2014	0.0046	
5/23/2015	<0.0025	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/10/2016	<0.0025	
12/1/2016	0.00068 (J)	
2/9/2017	0.0009 (J)	
4/7/2017	0.0011 (J)	
6/21/2017	0.00064 (J)	
8/15/2017	0.001 (J)	
9/1/2017	0.00089 (J)	
10/9/2017	0.00085 (J)	
3/22/2018	<0.0004 (o)	
10/4/2018	0.00048 (J)	
3/27/2019	0.0012 (J)	
9/11/2019	0.00085 (J)	
3/18/2020	0.0027	
9/9/2020	0.0043	
4/5/2021		0.0026

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0025	
6/16/2010	<0.0025	
7/27/2010	<0.0025	
9/8/2010	<0.0025	
4/29/2011	<0.0025	
10/27/2011	<0.0025	
5/3/2012	<0.0025	
11/11/2012	<0.0025	
5/9/2013	<0.0025	
11/6/2013	<0.0025	
5/21/2014	<0.0025	
11/12/2014	<0.0025	
5/23/2015	<0.0025	
11/12/2015	<0.0025	
4/13/2016	<0.0025 (D)	
6/22/2016	<0.0025	
8/15/2016	<0.0025	
10/6/2016	<0.0025	
12/1/2016	<0.0025	
2/8/2017	<0.0025	
4/6/2017	<0.0025	
6/21/2017	<0.0025	
10/5/2017	<0.0025	
3/21/2018	<0.0025	
10/2/2018	<0.0025	
3/27/2019	<0.0025	
9/11/2019	0.00016 (J)	
3/18/2020	<0.0025	
9/9/2020	0.00023 (J)	
4/1/2021		0.00015 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/4/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.00095 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00074 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.002	
6/16/2010	<0.002	
7/26/2010	<0.002	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/9/2015	<0.002	
4/6/2016	<0.002	
10/5/2016	<0.002	
4/4/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0012 (J)	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	0.0021 (J)	
3/21/2018	<0.002	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	0.0007 (J)	
4/1/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.002	
6/18/2010	<0.002	
7/29/2010	<0.002	
9/9/2010	<0.002	
4/26/2011	<0.002	
10/28/2011	<0.002	
5/4/2012	0.0024 (J)	
11/11/2012	<0.002	
5/8/2013	<0.002	
11/7/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/7/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/22/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.002	
6/18/2010	<0.002	
7/28/2010	<0.002	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	0.0021 (J)	
11/10/2012	<0.002	
5/8/2013	<0.002	
11/5/2013	<0.002	
5/20/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.002	
6/16/2010	0.0025 (J)	
7/26/2010	0.0023 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/2/2012	<0.002	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/6/2013	<0.002	
5/23/2014	<0.002	
11/8/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/11/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00084 (J)	
3/18/2020	<0.002	
9/9/2020	0.00084 (J)	
4/1/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.002	
6/19/2010	<0.002	
7/27/2010	<0.002	
9/9/2010	<0.002	
4/28/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/9/2013	<0.002	
11/5/2013	<0.002	
5/22/2014	<0.002	
11/13/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/4/2016	<0.002	
4/6/2017	<0.002	
10/4/2017	<0.002	
3/20/2018	<0.002	
10/2/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		0.00069 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.002	
6/17/2010	<0.002	
7/27/2010	0.0021 (J)	
9/7/2010	<0.002	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.003 (J)	
6/17/2010	<0.002	
7/28/2010	0.012 (O)	
9/7/2010	0.0026 (J)	
4/29/2011	<0.002	
10/28/2011	<0.002	
5/3/2012	<0.002	
11/9/2012	<0.002	
5/10/2013	0.0042 (J)	
11/6/2013	<0.002	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/10/2015	<0.002	
4/12/2016	<0.002 (D)	
10/5/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/10/2019	0.0011 (J)	
3/18/2020	<0.002	
9/10/2020	0.00072 (J)	
4/6/2021		0.00088 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.002	
6/17/2010	0.0022 (J)	
7/28/2010	0.0033 (J)	
9/8/2010	<0.002	
4/28/2011	0.0037 (J)	
10/29/2011	<0.002	
5/3/2012	0.0031 (J)	
11/10/2012	0.0021 (J)	
5/10/2013	0.0025 (J)	
11/6/2013	0.0032 (J)	
5/22/2014	<0.002	
11/9/2014	<0.002	
5/22/2015	<0.002	
11/11/2015	0.002 (J)	
4/12/2016	<0.002	
10/6/2016	0.0022 (J)	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	0.0039	
9/10/2019	0.0017 (J)	
3/19/2020	<0.002	
9/10/2020	0.0011 (J)	
4/2/2021		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.002	
6/18/2010	0.0026 (J)	
7/27/2010	0.0029 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	0.0037 (J)	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	<0.002	
5/21/2014	<0.002	
11/9/2014	<0.002	
5/24/2015	<0.002	
11/11/2015	<0.002	
4/12/2016	<0.002	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/6/2017	<0.002	
3/21/2018	<0.002	
10/3/2018	<0.002	
3/26/2019	<0.002	
9/11/2019	0.00066 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
4/5/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.002	
6/18/2010	0.008 (O)	
7/28/2010	0.0021 (J)	
9/9/2010	<0.002	
4/30/2011	<0.002	
10/29/2011	<0.002	
5/4/2012	<0.002	
11/10/2012	<0.002	
5/9/2013	<0.002	
11/7/2013	0.0022 (J)	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/24/2015	0.0022 (J)	
11/11/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/7/2017	<0.002	
10/6/2017	0.0026	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	0.00086 (J)	
3/19/2020	<0.002	
9/10/2020	0.0024	
4/1/2021		0.00094 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.0036 (J)	
6/19/2010	0.004 (J)	
7/28/2010	0.013	
9/8/2010	0.068	
4/30/2011	0.098	
10/27/2011	0.02	
5/4/2012	0.024	
11/11/2012	0.032	
5/10/2013	0.18	
11/7/2013	0.021	
5/21/2014	0.0089 (J)	
11/13/2014	0.1	
5/23/2015	0.048	
11/11/2015	0.059	
4/19/2016	0.0131 (J)	
10/10/2016	0.0046	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/22/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/5/2021		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.002	
6/16/2010	<0.002	
7/27/2010	<0.002	
9/8/2010	<0.002	
4/29/2011	<0.002	
10/27/2011	<0.002	
5/3/2012	0.0023	
11/11/2012	<0.002	
5/9/2013	<0.002	
11/6/2013	<0.002	
5/21/2014	<0.002	
11/12/2014	<0.002	
5/23/2015	<0.002	
11/12/2015	<0.002	
4/13/2016	<0.002 (D)	
10/6/2016	<0.002	
4/6/2017	<0.002	
10/5/2017	<0.002	
3/21/2018	0.0038	
10/2/2018	<0.002	
3/27/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/9/2020	<0.002	
4/1/2021		<0.002

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.0021 (J)	
6/16/2010	0.0028 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0032 (J)	
10/28/2011	0.0025 (J)	
5/2/2012	<0.001	
11/9/2012	0.0024 (J)	
5/8/2013	0.0051	
11/6/2013	0.0033 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0036 (J)	
11/9/2015	0.0039 (J)	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00016 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	0.0021 (J)	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0024 (J)	
10/28/2011	0.002 (J)	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0034 (J)	
11/6/2013	0.0028 (J)	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0032 (J)	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00022 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	0.0026 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0036 (J)	
10/29/2011	0.0038 (J)	
5/3/2012	<0.001	
11/9/2012	0.0024 (J)	
5/9/2013	0.0085	
11/5/2013	0.0042 (J)	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	0.0044 (J)	
11/11/2015	0.0042 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	0.00067 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00023 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	0.0032 (J)	
10/27/2011	0.0027 (J)	
5/4/2012	<0.001	
11/10/2012	0.0025 (J)	
5/9/2013	0.0051	
11/6/2013	0.0037 (J)	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0037 (J)	
11/12/2015	0.0038 (J)	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/5/2016	<0.001	
12/1/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	0.0017	
9/10/2020	0.00014 (J)	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.001	
6/18/2010	0.0021	
7/29/2010	<0.001	
9/9/2010	<0.001	
4/26/2011	<0.001	
10/28/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/8/2013	0.0036	
11/7/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
6/21/2016	<0.001	
8/15/2016	<0.001	
10/7/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	0.00061 (J)	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	0.0022 (J)	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0029 (J)	
10/28/2011	0.0021 (J)	
5/2/2012	<0.001	
11/9/2012	0.002 (J)	
5/9/2013	0.0056	
11/6/2013	0.0035 (J)	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	0.0047 (J)	
11/10/2015	0.0044 (J)	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	0.0009 (J)	
6/21/2017	<0.001	
10/5/2017	0.0015	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00014 (J)

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	0.003 (J)	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	0.0037 (J)	
10/28/2011	0.003 (J)	
5/3/2012	<0.001	
11/9/2012	0.003 (J)	
5/9/2013	0.0063	
11/5/2013	0.0043 (J)	
5/22/2014	<0.001	
11/13/2014	0.0021 (J)	
5/24/2015	0.0043 (J)	
11/11/2015	0.0032 (J)	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00014 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.011	
6/17/2010	0.0027 (J)	
7/28/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	0.0038 (J)	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	0.0029 (J)	
5/10/2013	0.0061	
11/6/2013	0.0025 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0034 (J)	
11/10/2015	0.0021 (J)	
4/12/2016	<0.001 (D)	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/5/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	0.00037 (J)	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.002 (J)	
4/28/2011	0.0042 (J)	
10/29/2011	0.0036 (J)	
5/3/2012	<0.001	
11/10/2012	0.0023 (J)	
5/10/2013	0.0062	
11/6/2013	0.0043 (J)	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	0.0046 (J)	
11/11/2015	0.0028 (J)	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00019 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	0.0027 (J)	
7/28/2010	<0.001	
9/9/2010	0.002 (J)	
4/30/2011	0.0037 (J)	
10/29/2011	0.0025 (J)	
5/4/2012	<0.001	
11/10/2012	0.003 (J)	
5/9/2013	0.0064	
11/7/2013	0.0037 (J)	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0053 (J)	
11/11/2015	0.0022 (J)	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00017 (J)	
4/1/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	0.0023 (J)	
4/30/2011	0.011 (O)	
10/27/2011	0.0055	
5/4/2012	0.0029 (J)	
11/11/2012	0.0052	
5/10/2013	0.023 (O)	
11/7/2013	0.0083	
5/21/2014	<0.001	
11/13/2014	0.0085	
5/23/2015	0.0077	
11/11/2015	0.008	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	0.00047 (J)	
2/9/2017	0.0012 (J)	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00034 (J)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	7E-05 (J)	
11/5/2013	<0.0002	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/22/2015	7.2E-05 (J)	
11/11/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (D)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	7.4E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	8E-05 (J)	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/4/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	7.8E-05 (J)	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	0.00011	
5/20/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	7.1E-05 (J)	
11/9/2015	<0.0002	
4/6/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/7/2017	<0.0002	
4/4/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	7.3E-05 (J)	
5/23/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	7E-05 (J)	
4/5/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	8.8E-05 (J)	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011 (J)	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00019	
11/6/2013	0.00014	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/5/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	8.2E-05 (J)	
6/18/2010	<0.0002	
7/29/2010	<0.0002	
9/9/2010	<0.0002	
4/26/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/8/2013	<0.0002	
11/7/2013	0.0001	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/7/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	9.1E-05 (J)	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	0.00016	
5/20/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/21/2016	<0.0002	
8/15/2016	<0.0002	
10/4/2016	<0.0002	
12/1/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/26/2010	<0.0002	
9/7/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/6/2013	<0.0002	
5/23/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	8.9E-05	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.00011	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/2/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/8/2014	<0.0002	
5/23/2015	<0.0002	
11/10/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/29/2016	<0.0002	
2/8/2017	7.6E-05 (J)	
4/5/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.0002	
6/19/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	9.3E-05	
4/28/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/9/2013	<0.0002	
11/5/2013	0.00011	
5/22/2014	<0.0002	
11/13/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/4/2016	<0.0002	
11/30/2016	<0.0002	
2/7/2017	<0.0002	
4/6/2017	<0.0002	
6/20/2017	<0.0002	
10/4/2017	<0.0002	
3/20/2018	<0.0002 (X)	
10/2/2018	<0.0002	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	8.5E-05	
6/17/2010	<0.0002	
7/27/2010	<0.0002	
9/7/2010	0.0001	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	7.5E-05 (J)	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
6/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/7/2010	0.00012	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/3/2012	<0.0002	
11/9/2012	<0.0002	
5/10/2013	0.00014	
11/6/2013	0.00014	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/10/2015	<0.0002	
4/12/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/5/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0002	
6/17/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	<0.0002	
4/28/2011	<0.0002	
10/29/2011	<0.0002	
5/3/2012	<0.0002	
11/10/2012	<0.0002	
5/10/2013	0.00012	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/22/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/10/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	<0.0002	
4/29/2011	<0.0002	
10/28/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00016	
11/6/2013	<0.0002	
5/22/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
6/22/2016	<0.0002	
8/16/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.0002	
6/18/2010	<0.0002	
7/27/2010	<0.0002	
9/9/2010	0.00017	
4/30/2011	<0.0002	
10/29/2011	<0.0002	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	0.00014	
11/7/2013	0.00011	
5/21/2014	<0.0002	
11/9/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/12/2016	<0.0002	
6/20/2016	<0.0002	
8/12/2016	<0.0002	
10/6/2016	<0.0002	
11/30/2016	<0.0002	
2/9/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/6/2017	<0.0002	
3/21/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
6/2/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.0002	
6/18/2010	<0.0002	
7/28/2010	<0.0002	
9/9/2010	<0.0002	
4/30/2011	<0.0002	
10/29/2011	7E-05 (J)	
5/4/2012	<0.0002	
11/10/2012	<0.0002	
5/9/2013	<0.0002	
11/7/2013	0.00016	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/24/2015	<0.0002	
11/11/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/20/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/6/2017	<0.0002	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/19/2020	0.00011 (J)	
9/10/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0002	
6/19/2010	<0.0002	
7/28/2010	<0.0002	
9/8/2010	0.00011 (J)	
4/30/2011	<0.0002	
10/27/2011	<0.0002	
5/4/2012	<0.0002	
11/11/2012	<0.0002	
5/10/2013	0.00014	
11/7/2013	0.00019	
5/21/2014	<0.0002	
11/13/2014	<0.0002	
5/23/2015	<0.0002	
11/11/2015	<0.0002	
4/19/2016	<0.0002	
10/10/2016	0.000155 (D)	
12/1/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/21/2017	<0.0002	
8/15/2017	<0.0002	
9/1/2017	<0.0002	
10/9/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
6/1/2021		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.0002	
6/16/2010	<0.0002	
7/27/2010	<0.0002	
9/8/2010	<0.0002	
4/29/2011	<0.0002	
10/27/2011	<0.0002	
5/3/2012	<0.0002	
11/11/2012	<0.0002	
5/9/2013	<0.0002	
11/6/2013	8.8E-05	
5/21/2014	<0.0002	
11/12/2014	<0.0002	
5/23/2015	<0.0002	
11/12/2015	<0.0002	
4/13/2016	<0.0002 (D)	
6/22/2016	<0.0002	
8/15/2016	<0.0002	
10/6/2016	<0.0002	
12/1/2016	<0.0002	
2/8/2017	<0.0002	
4/6/2017	<0.0002	
6/21/2017	<0.0002	
10/5/2017	<0.0002	
3/21/2018	<0.0002	
10/2/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/9/2020	<0.0002	
4/1/2021		<0.0002

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/28/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/8/2013	<0.0018	
11/5/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/6/2016	0.00202 (J)	
10/4/2016	<0.0018	
4/4/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00081 (J)	
3/18/2020	0.00043 (J)	
9/9/2020	0.00069 (J)	
4/1/2021		0.00049 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	0.04 (O)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00037 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
10/5/2016	<0.001	
4/4/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0012	
3/18/2020	<0.001	
9/9/2020	0.00048 (J)	
4/1/2021		0.0004 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	0.0086 (O)	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/23/2014	<0.0018	
11/13/2014	<0.0018	
5/23/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/4/2016	<0.0018	
4/5/2017	<0.0018	
10/4/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.00065 (J)	
3/18/2020	0.00056 (J)	
9/9/2020	0.00047 (J)	
4/1/2021		0.00073 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/21/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	0.00271	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	0.0018 (J)	
3/27/2019	<0.0018	
9/11/2019	0.0016	
3/18/2020	0.0016	
9/9/2020	0.0021	
4/1/2021		0.0012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/27/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/2/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.00066 (J)	
3/18/2020	0.0005 (J)	
9/10/2020	0.0012	
4/1/2021		0.00065 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/8/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/23/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	<0.0018 (D)	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00084 (J)	
3/18/2020	0.0006 (J)	
9/10/2020	0.00088 (J)	
4/1/2021		0.00065 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0018	
6/18/2010	<0.0018	
7/29/2010	<0.0018	
9/9/2010	<0.0018	
4/26/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/11/2012	<0.0018	
5/8/2013	<0.0018	
11/7/2013	<0.0018	
5/20/2014	<0.0018	
11/12/2014	<0.0018	
5/24/2015	<0.0018	
11/12/2015	<0.0018	
4/13/2016	<0.0018 (D)	
10/7/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/22/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00039 (J)	
3/18/2020	0.00061 (J)	
9/10/2020	0.00044 (J)	
4/6/2021		0.00053 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/23/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	0.0045 (O)	
11/10/2015	<0.001	
4/11/2016	<0.001	
10/5/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	0.00048 (J)	
3/18/2020	0.00034 (J)	
9/9/2020	0.00064 (J)	
4/1/2021		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.0018	
6/16/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/2/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/8/2014	<0.0018	
5/23/2015	0.01 (O)	
11/10/2015	<0.0018	
4/11/2016	<0.0018	
10/5/2016	<0.0018	
4/5/2017	<0.0018	
10/5/2017	<0.0018	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/12/2019	0.0015	
3/19/2020	0.00047 (J)	
9/9/2020	0.00039 (J)	
4/5/2021		0.00047 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0033 (O)	
6/19/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/28/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	<0.0018	
5/9/2013	<0.0018	
11/5/2013	<0.0018	
5/22/2014	<0.0018	
11/13/2014	<0.0018	
5/24/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	0.00206 (J)	
10/4/2016	0.0023 (J)	
4/6/2017	<0.0018	
10/4/2017	0.0021 (J)	
3/20/2018	<0.0018	
10/2/2018	<0.0018	
3/26/2019	<0.0018	
9/10/2019	0.0022	
3/18/2020	0.0016	
9/9/2020	0.0016	
4/1/2021		0.0022

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/27/2010	<0.0018	
9/7/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	0.003 (J)	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0063 (O)	
11/10/2015	<0.0018	
4/12/2016	<0.0018	
10/5/2016	<0.0018	
4/6/2017	0.002 (J)	
10/5/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00098 (J)	
9/10/2020	0.00098 (J)	
4/5/2021		0.00048 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	0.019 (O)	
9/7/2010	0.0093 (O)	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/3/2012	<0.0018	
11/9/2012	0.0035 (J)	
5/10/2013	0.0081 (O)	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/10/2015	<0.0018	
4/12/2016	<0.0018 (D)	
10/5/2016	<0.0018	
4/6/2017	<0.0018	
10/5/2017	<0.0018	
3/21/2018	0.0022 (J)	
10/3/2018	0.0018 (J)	
3/26/2019	<0.0018	
9/10/2019	0.0016	
3/18/2020	0.00091 (J)	
9/10/2020	0.0014	
4/6/2021		0.0018

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.0018	
6/17/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/28/2011	<0.0018	
10/29/2011	<0.0018	
5/3/2012	<0.0018	
11/10/2012	<0.0018	
5/10/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/22/2015	<0.0018	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	0.0021 (J)	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	0.0036	
9/10/2019	0.00079 (J)	
3/19/2020	0.00073 (J)	
9/10/2020	0.0013	
4/2/2021		0.0012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.0018	
6/18/2010	<0.0018	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/29/2011	<0.0018	
10/28/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	<0.0018	
5/9/2013	<0.0018	
11/6/2013	<0.0018	
5/22/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.006 (O)	
11/11/2015	<0.0018	
4/19/2016	0.00268 (J)	
10/6/2016	<0.0018	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0018	
3/22/2018	0.0019 (J)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0007 (J)	
3/18/2020	0.00068 (J)	
9/9/2020	0.00039 (J)	
4/1/2021		0.00042 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0034	
6/18/2010	0.0046	
7/27/2010	<0.0018	
9/9/2010	<0.0018	
4/30/2011	<0.0018	
10/29/2011	<0.0018	
5/4/2012	<0.0018	
11/10/2012	0.0053	
5/9/2013	<0.0018	
11/7/2013	<0.0018	
5/21/2014	<0.0018	
11/9/2014	<0.0018	
5/24/2015	0.0047	
11/11/2015	<0.0018	
4/12/2016	<0.0018	
10/6/2016	<0.0018	
4/6/2017	<0.0018	
10/6/2017	<0.0018	
3/21/2018	<0.0018	
10/3/2018	<0.0018	
3/26/2019	<0.0018	
9/11/2019	0.00099 (J)	
3/18/2020	0.00062 (J)	
9/10/2020	0.0009 (J)	
4/5/2021		0.00088 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	0.0044	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/7/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00046 (J)	
3/19/2020	<0.001	
9/10/2020	0.0007 (J)	
4/1/2021		0.00036 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.0018	
6/19/2010	<0.0018	
7/28/2010	<0.0018	
9/8/2010	<0.0018	
4/30/2011	0.008 (O)	
10/27/2011	0.0044 (J)	
5/4/2012	0.0032 (J)	
11/11/2012	0.0069	
5/10/2013	0.0093 (O)	
11/7/2013	0.0033 (J)	
5/21/2014	<0.0018	
11/13/2014	0.0049 (J)	
5/23/2015	0.003 (J)	
11/11/2015	<0.0018	
4/19/2016	0.00247 (J)	
10/10/2016	<0.0018	
4/7/2017	0.0022 (J)	
10/9/2017	<0.0018	
3/22/2018	<0.0018	
10/4/2018	<0.0018	
3/27/2019	<0.0018	
9/11/2019	0.0013	
3/18/2020	0.0044	
9/9/2020	0.0036	
4/5/2021		0.0058

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/27/2011	<0.001	
5/3/2012	<0.001	
11/11/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/6/2016	<0.001	
4/6/2017	<0.001	
10/5/2017	<0.001	
3/21/2018	<0.001	
10/2/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	0.00063 (J)	
3/18/2020	<0.001	
9/9/2020	0.00046 (J)	
4/1/2021		0.00058 (J)

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	0.00067 (J)	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	0.0043	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/4/2016	<0.005	
11/29/2016	0.00024 (J)	
2/7/2017	<0.005	
4/4/2017	0.0017	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	0.0044	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/7/2017	<0.005	
4/4/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	0.00027 (J)	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0053	
11/11/2015	<0.005	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	0.00037 (J)	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	0.0043	
11/12/2015	0.0046	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.005	
11/12/2015	0.0042	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	0.00031 (J)	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	0.004	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/5/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0052	
4/13/2016	<0.005 (D)	
6/21/2016	<0.005	
8/15/2016	<0.005	
10/4/2016	<0.005	
12/1/2016	0.00025 (J)	
2/7/2017	<0.005	
4/6/2017	<0.005	
6/20/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	0.0041	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	0.0044	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/5/2016	<0.005	
11/29/2016	<0.005	
2/8/2017	<0.005	
4/5/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	0.0044	
11/11/2015	0.0045	
4/12/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/4/2016	<0.005	
11/30/2016	<0.005	
2/7/2017	<0.005	
4/6/2017	0.0023	
6/20/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (X)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
6/20/2016	<0.005	
8/12/2016	0.00036 (J)	
10/5/2016	<0.005	
11/30/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.007	
4/12/2016	<0.005	
6/20/2016	0.00032 (J)	
8/12/2016	0.00035 (J)	
10/6/2016	0.00029 (J)	
11/30/2016	0.00026 (J)	
2/9/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	0.00031 (J)	
10/6/2017	<0.005	
3/21/2018	<0.005 (X)	
10/3/2018	0.00056 (J)	
3/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	0.0053	
11/11/2015	0.0049	
4/13/2016	<0.005 (D)	
6/20/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/30/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/10/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	0.0045	
11/11/2015	0.0043	
4/19/2016	<0.005	
10/10/2016	<0.005	
12/1/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/21/2017	<0.005	
8/15/2017	<0.005	
9/1/2017	0.00044 (J)	
10/9/2017	<0.005	
3/22/2018	0.00032 (J)	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	0.0065	
4/13/2016	<0.005 (D)	
6/22/2016	<0.005	
8/15/2016	<0.005	
10/6/2016	<0.005	
12/1/2016	<0.005	
2/8/2017	<0.005	
4/6/2017	<0.005	
6/21/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (X)	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	0.00025 (J)	
4/1/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	0.0003	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/4/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00021 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.001	
6/16/2010	<0.001	
7/26/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/9/2015	<0.001	
4/6/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/7/2017	<0.001	
4/4/2017	<0.001	
6/20/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.00023 (J)	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.001	
6/17/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/5/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00049 (J)	
9/9/2020	<0.001	
4/1/2021		0.00027 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.001	
6/16/2010	<0.001	
7/27/2010	<0.001	
9/7/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/8/2014	<0.001	
5/23/2015	<0.001	
11/10/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/5/2016	<0.001	
11/29/2016	<0.001	
2/8/2017	<0.001	
4/5/2017	<0.001	
6/21/2017	<0.001	
10/5/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00032 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.001	
6/19/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/28/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/9/2012	<0.001	
5/9/2013	<0.001	
11/5/2013	<0.001	
5/22/2014	<0.001	
11/13/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/4/2016	<0.001	
11/30/2016	<0.001	
2/7/2017	<0.001	
4/6/2017	<0.001	
6/20/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00025 (J)	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.001	
6/17/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/28/2011	<0.001	
10/29/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/10/2013	<0.001	
11/6/2013	<0.001	
5/22/2014	<0.001	
11/9/2014	<0.001	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/8/2017	<0.001	
4/6/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	<0.001	
3/19/2020	0.00036 (J)	
9/10/2020	<0.001	
4/2/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	<0.001	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/9/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/12/2016	<0.001	
6/20/2016	<0.001	
8/12/2016	<0.001	
10/6/2016	<0.001	
11/30/2016	<0.001	
2/9/2017	<0.001	
4/6/2017	<0.001	
6/21/2017	<0.001	
10/6/2017	<0.001	
3/21/2018	<0.001	
10/3/2018	<0.001	
3/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/5/2021		0.0003 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/29/2011	0.00027	
5/4/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/7/2013	0.00026	
5/21/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
6/20/2016	<0.001	
8/15/2016	<0.001	
10/6/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/6/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.00019 (J)	
4/1/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.001	
6/19/2010	<0.001	
7/28/2010	<0.001	
9/8/2010	<0.001	
4/30/2011	<0.001	
10/27/2011	<0.001	
5/4/2012	<0.001	
11/11/2012	<0.001	
5/10/2013	<0.001	
11/7/2013	<0.001	
5/21/2014	<0.001	
11/13/2014	<0.001	
5/23/2015	<0.001	
11/11/2015	<0.001	
4/19/2016	<0.001	
10/10/2016	<0.001	
12/1/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/21/2017	<0.001	
8/15/2017	<0.001	
9/1/2017	<0.001	
10/9/2017	<0.001	
3/22/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/5/2021		0.00081 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/2/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0035 (J)	
5/22/2015	<0.001	
11/11/2015	<0.001	
4/6/2016	<0.001	
10/4/2016	0.0031	
4/4/2017	<0.001	
10/4/2017	0.0021 (J)	
3/20/2018	<0.001 (D)	
10/2/2018	<0.001	
3/26/2019	<0.001	
9/10/2019	0.0022	
3/18/2020	0.0011	
9/9/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	0.0049 (J)	
6/16/2010	0.0054 (J)	
7/27/2010	0.0055 (J)	
9/7/2010	0.005 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0081 (J)	
5/2/2012	0.0059 (J)	
11/9/2012	0.0062 (J)	
5/8/2013	0.0079 (J)	
11/6/2013	0.0068 (J)	
5/20/2014	0.0074 (J)	
11/8/2014	0.0097 (J)	
5/22/2015	0.0085 (J)	
11/9/2015	<0.01	
4/6/2016	0.00726 (J)	
10/4/2016	0.013	
4/4/2017	0.0046	
10/5/2017	0.0071	
3/20/2018	0.0067	
10/2/2018	0.0069	
3/26/2019	0.007	
9/10/2019	0.01	
3/18/2020	0.0078	
9/9/2020	0.0072	
4/1/2021		0.0078

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	0.0024 (J)	
6/16/2010	0.002 (J)	
7/26/2010	<0.01	
9/7/2010	0.0026 (J)	
4/29/2011	0.0036 (J)	
10/28/2011	<0.01	
5/2/2012	0.003 (J)	
11/9/2012	0.0081 (J)	
5/8/2013	<0.01	
11/6/2013	0.0032 (J)	
5/20/2014	0.0036 (J)	
11/8/2014	0.0065 (J)	
5/22/2015	<0.01	
11/9/2015	0.0047 (J)	
4/6/2016	0.00424 (J)	
10/5/2016	0.0049	
4/4/2017	0.0048	
10/5/2017	0.0024 (J)	
3/20/2018	0.0041	
10/2/2018	0.004	
3/26/2019	0.0051	
9/10/2019	0.0091	
3/18/2020	0.0051	
9/9/2020	0.0053	
4/1/2021		0.005

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	0.012	
6/17/2010	0.0082 (J)	
7/27/2010	0.0096 (J)	
9/9/2010	0.0098 (J)	
4/28/2011	0.0085 (J)	
10/29/2011	0.011	
5/3/2012	0.013	
11/9/2012	0.013	
5/9/2013	0.012	
11/5/2013	0.015	
5/23/2014	0.015	
11/13/2014	0.02	
5/23/2015	0.018	
11/11/2015	0.018	
4/12/2016	0.0173	
10/4/2016	0.021	
4/5/2017	0.017	
10/4/2017	0.02	
3/20/2018	0.016	
10/2/2018	0.017	
3/26/2019	0.017	
9/10/2019	0.02	
3/18/2020	0.02	
9/9/2020	0.018	
4/1/2021		0.019

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	0.011	
6/16/2010	0.01	
7/28/2010	0.011	
9/8/2010	0.011	
4/29/2011	0.01	
10/27/2011	0.014	
5/4/2012	0.0096 (J)	
11/11/2012	0.011	
5/9/2013	0.011	
11/5/2013	0.013	
5/21/2014	0.012	
11/12/2014	0.016	
5/23/2015	0.011	
11/12/2015	0.0053 (J)	
4/13/2016	0.0124 (D)	
10/5/2016	0.013	
4/6/2017	0.013	
10/5/2017	0.015	
3/21/2018	0.012	
10/2/2018	0.012	
3/27/2019	0.012	
9/11/2019	0.017	
3/18/2020	0.013	
9/9/2020	0.012	
4/1/2021		0.013

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	0.009 (J)	
6/16/2010	0.0089 (J)	
7/27/2010	0.0089 (J)	
9/8/2010	0.009 (J)	
4/29/2011	0.0082 (J)	
10/27/2011	0.009 (J)	
5/4/2012	0.0091 (J)	
11/10/2012	0.0096 (J)	
5/9/2013	0.01	
11/6/2013	0.01	
5/20/2014	0.011	
11/12/2014	0.012	
5/24/2015	0.012	
11/12/2015	<0.01	
4/13/2016	0.00976 (JD)	
10/5/2016	0.013	
4/6/2017	0.011	
10/5/2017	0.013	
3/21/2018	0.0098	
10/2/2018	0.01	
3/27/2019	0.012	
9/11/2019	0.015	
3/18/2020	0.011	
9/10/2020	0.01	
4/1/2021		0.011

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.001	
6/18/2010	<0.001	
7/27/2010	<0.001	
9/8/2010	<0.001	
4/29/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/9/2013	<0.001	
11/6/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	0.0032 (J)	
5/23/2015	<0.001	
11/12/2015	<0.001	
4/13/2016	<0.001 (D)	
10/5/2016	<0.001	
4/5/2017	<0.001	
10/5/2017	0.0022 (J)	
3/21/2018	<0.0014 (JX)	
10/2/2018	<0.001	
3/26/2019	0.0029	
9/11/2019	0.0052	
3/18/2020	<0.001	
9/10/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0014	
6/18/2010	<0.0014	
7/29/2010	<0.0014	
9/9/2010	<0.0014	
4/26/2011	<0.0014	
10/28/2011	<0.0014	
5/4/2012	<0.0014	
11/11/2012	<0.0014	
5/8/2013	0.0039 (J)	
11/7/2013	<0.0014	
5/20/2014	<0.0014	
11/12/2014	0.004 (J)	
5/24/2015	<0.0014	
11/12/2015	<0.0014	
4/13/2016	<0.0014 (D)	
10/7/2016	<0.0014	
4/6/2017	<0.0014	
10/6/2017	0.0032	
3/22/2018	<0.0014	
10/3/2018	<0.0014	
3/26/2019	0.0041	
9/11/2019	0.0062	
3/18/2020	0.001	
9/10/2020	0.0011	
4/6/2021		0.0028

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.001	
6/18/2010	<0.001	
7/28/2010	<0.001	
9/9/2010	<0.001	
4/30/2011	<0.001	
10/28/2011	<0.001	
5/3/2012	<0.001	
11/10/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/20/2014	<0.001	
11/12/2014	<0.001	
5/24/2015	<0.001	
11/11/2015	<0.001	
4/13/2016	<0.001 (D)	
10/4/2016	0.0026	
4/6/2017	<0.001	
10/5/2017	0.0024 (J)	
3/20/2018	<0.001	
10/2/2018	<0.001	
3/26/2019	0.0034	
9/11/2019	0.0062	
3/18/2020	<0.001	
9/9/2020	<0.001	
4/1/2021		0.0013

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	0.0052 (J)	
6/16/2010	0.0059 (J)	
7/26/2010	0.0052 (J)	
9/7/2010	0.0056 (J)	
4/29/2011	0.005 (J)	
10/28/2011	0.0048 (J)	
5/2/2012	0.0057 (J)	
11/9/2012	0.0057 (J)	
5/8/2013	0.0069 (J)	
11/6/2013	0.0052 (J)	
5/23/2014	0.0081 (J)	
11/8/2014	0.01	
5/22/2015	0.0052 (J)	
11/10/2015	<0.01	
4/11/2016	0.00604 (J)	
10/5/2016	0.0075	
4/6/2017	0.0065	
10/5/2017	0.0052	
3/20/2018	0.0064	
10/2/2018	0.0064	
3/26/2019	0.0094	
9/11/2019	0.011	
3/18/2020	0.0075	
9/9/2020	0.007	
4/1/2021		0.0081

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	0.0064 (J)	
6/16/2010	0.0061 (J)	
7/27/2010	0.006 (J)	
9/7/2010	0.0066 (J)	
4/29/2011	0.0066 (J)	
10/28/2011	0.0057 (J)	
5/2/2012	0.006 (J)	
11/9/2012	0.0073 (J)	
5/9/2013	0.0069 (J)	
11/6/2013	0.0077 (J)	
5/22/2014	0.0075 (J)	
11/8/2014	0.0081 (J)	
5/23/2015	0.01	
11/10/2015	0.0033 (J)	
4/11/2016	0.00756 (J)	
10/5/2016	0.0084	
4/5/2017	0.0086	
10/5/2017	0.0062	
3/20/2018	0.0072	
10/2/2018	0.0073	
3/26/2019	0.0094	
9/12/2019	0.0083	
3/19/2020	0.008	
9/9/2020	0.0071	
4/5/2021		0.0068

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	0.0078 (J)	
6/19/2010	<0.01	
7/27/2010	0.0096 (J)	
9/9/2010	0.0095 (J)	
4/28/2011	0.01	
10/28/2011	0.014	
5/3/2012	0.013	
11/9/2012	0.012	
5/9/2013	0.012	
11/5/2013	0.014	
5/22/2014	0.013	
11/13/2014	0.016	
5/24/2015	0.014	
11/11/2015	0.014	
4/12/2016	0.0155	
10/4/2016	0.017	
4/6/2017	0.015	
10/4/2017	0.015	
3/20/2018	0.014	
10/2/2018	0.015	
3/26/2019	0.016	
9/10/2019	0.018	
3/18/2020	0.016	
9/9/2020	0.014	
4/1/2021		0.014

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	0.014	
6/17/2010	0.014	
7/27/2010	0.016	
9/7/2010	0.017	
4/29/2011	0.015	
10/28/2011	0.016	
5/3/2012	0.016	
11/10/2012	0.018	
5/9/2013	0.019	
11/6/2013	0.019	
5/22/2014	0.018	
11/9/2014	0.02	
5/24/2015	0.016	
11/10/2015	0.01	
4/12/2016	0.019	
10/5/2016	<0.016	
4/6/2017	0.02	
10/5/2017	0.02	
3/21/2018	0.021	
10/3/2018	0.017	
3/26/2019	0.018	
9/12/2019	0.02	
3/19/2020	0.019	
9/10/2020	0.018	
4/5/2021		0.017

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.0046 (J)	
6/17/2010	0.0046 (J)	
7/28/2010	0.019 (O)	
9/7/2010	0.0072 (J)	
4/29/2011	0.0052 (J)	
10/28/2011	0.0059 (J)	
5/3/2012	0.0049 (J)	
11/9/2012	0.007 (J)	
5/10/2013	0.0094 (J)	
11/6/2013	0.0059 (J)	
5/22/2014	0.0057 (J)	
11/9/2014	0.0069 (J)	
5/22/2015	0.006 (J)	
11/10/2015	0.011	
4/12/2016	0.00503 (JD)	
10/5/2016	<0.0072	
4/6/2017	0.0056	
10/5/2017	0.0061	
3/21/2018	0.0097	
10/3/2018	0.0053	
3/26/2019	0.0076	
9/10/2019	0.0078	
3/18/2020	0.0051	
9/10/2020	0.0061	
4/6/2021		0.0075

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	0.0068 (J)	
6/17/2010	0.0079 (J)	
7/28/2010	0.0077 (J)	
9/8/2010	0.0077 (J)	
4/28/2011	0.0099 (J)	
10/29/2011	0.006 (J)	
5/3/2012	0.0084 (J)	
11/10/2012	0.0061 (J)	
5/10/2013	0.009 (J)	
11/6/2013	0.0089 (J)	
5/22/2014	0.0084 (J)	
11/9/2014	0.0076 (J)	
5/22/2015	0.011	
11/11/2015	0.0034 (J)	
4/12/2016	0.00654 (J)	
10/6/2016	<0.0086	
4/6/2017	0.0073	
10/6/2017	0.0087	
3/21/2018	0.0058	
10/3/2018	0.006	
3/26/2019	0.011	
9/10/2019	0.0086	
3/19/2020	0.0065	
9/10/2020	0.0068	
4/2/2021		0.0081

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	0.0038 (J)	
6/18/2010	0.0044 (J)	
7/27/2010	0.0054 (J)	
9/9/2010	0.0053 (J)	
4/29/2011	0.0039 (J)	
10/28/2011	<0.0025	
5/4/2012	<0.0025	
11/10/2012	0.0035 (J)	
5/9/2013	0.004 (J)	
11/6/2013	0.0034 (J)	
5/22/2014	0.0047 (J)	
11/9/2014	0.0067 (J)	
5/24/2015	0.0033 (J)	
11/11/2015	<0.0025	
4/19/2016	<0.0025	
10/6/2016	<0.0025	
4/6/2017	0.0018 (J)	
10/5/2017	<0.0025	
3/22/2018	0.0018 (J)	
10/3/2018	0.0018 (J)	
3/27/2019	0.002 (J)	
9/11/2019	0.0047	
3/18/2020	0.002	
9/9/2020	0.002	
4/1/2021		0.0027

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	0.0055	
6/18/2010	0.0071 (J)	
7/27/2010	0.0085 (J)	
9/9/2010	0.0088 (J)	
4/30/2011	0.0094 (J)	
10/29/2011	0.009 (J)	
5/4/2012	0.0084 (J)	
11/10/2012	0.0089 (J)	
5/9/2013	0.0071 (J)	
11/7/2013	0.0094 (J)	
5/21/2014	0.0082 (J)	
11/9/2014	0.013	
5/24/2015	0.009 (J)	
11/11/2015	0.0052	
4/12/2016	0.00896 (J)	
10/6/2016	<0.009	
4/6/2017	0.0089	
10/6/2017	0.011	
3/21/2018	0.0077	
10/3/2018	0.0081	
3/26/2019	0.012	
9/11/2019	0.012	
3/18/2020	0.0099	
9/10/2020	0.0094	
4/5/2021		0.0091

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	0.011	
6/18/2010	0.017	
7/28/2010	0.012	
9/9/2010	0.013	
4/30/2011	0.012	
10/29/2011	0.013	
5/4/2012	0.012	
11/10/2012	0.012	
5/9/2013	0.013	
11/7/2013	0.014	
5/21/2014	0.013	
11/12/2014	0.015	
5/24/2015	0.015	
11/11/2015	0.0055 (J)	
4/13/2016	0.0127 (D)	
10/6/2016	<0.012	
4/7/2017	0.013	
10/6/2017	0.015	
3/22/2018	0.012	
10/4/2018	0.012	
3/27/2019	0.013	
9/11/2019	0.015	
3/19/2020	0.014	
9/10/2020	0.014	
4/1/2021		0.014

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	0.013	
6/19/2010	0.0075 (J)	
7/28/2010	0.01	
9/8/2010	0.038	
4/30/2011	0.053 (O)	
10/27/2011	0.016	
5/4/2012	0.018	
11/11/2012	0.025	
5/10/2013	0.09 (O)	
11/7/2013	0.02	
5/21/2014	0.016	
11/13/2014	0.065 (O)	
5/23/2015	0.032	
11/11/2015	0.033	
4/19/2016	0.0233	
10/10/2016	0.019 (D)	
4/7/2017	0.0044	
10/9/2017	0.0047	
3/22/2018	0.0043	
10/4/2018	<0.001	
3/27/2019	0.003	
9/11/2019	0.0042	
3/18/2020	0.0031	
9/9/2020	<0.001	
4/5/2021		0.0023

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	0.0097 (J)	
6/16/2010	0.01	
7/27/2010	0.012	
9/8/2010	0.013	
4/29/2011	0.0097 (J)	
10/27/2011	0.015	
5/3/2012	0.017	
11/11/2012	0.017	
5/9/2013	0.014	
11/6/2013	0.019	
5/21/2014	0.016	
11/12/2014	0.022	
5/23/2015	0.016	
11/12/2015	0.015	
4/13/2016	0.0144 (D)	
10/6/2016	<0.02	
4/6/2017	0.016	
10/5/2017	0.024	
3/21/2018	0.018	
10/2/2018	0.021	
3/27/2019	0.019	
9/11/2019	0.025	
3/18/2020	0.012	
9/9/2020	0.022	
4/1/2021		0.0095

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/9/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	<0.005	
10/4/2016	<0.005	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0047 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/8/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/9/2015	<0.005	
4/6/2016	0.00274 (J)	
10/5/2016	0.0073 (J)	
4/4/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0084	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/13/2014	<0.005	
5/23/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/5/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/10/2010	<0.005	
6/16/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00241 (JD)	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	0.007 (J)	
10/2/2018	0.022 (O)	
3/27/2019	<0.005	
9/11/2019	0.0072	
3/18/2020	<0.005	
9/10/2020	0.018	
4/1/2021		0.0034 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/9/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	0.00409 (JD)	
10/5/2016	<0.005	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005 (D)	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0065	
3/18/2020	0.005	
9/10/2020	0.0037 (J)	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/9/2010	<0.0065	
6/18/2010	<0.0065	
7/29/2010	<0.0065	
9/9/2010	<0.0065	
4/26/2011	<0.0065	
10/28/2011	<0.0065	
5/4/2012	<0.0065	
11/11/2012	<0.0065	
5/8/2013	<0.0065	
11/7/2013	<0.0065	
5/20/2014	<0.0065	
11/12/2014	<0.0065	
5/24/2015	<0.0065	
11/12/2015	<0.0065	
4/13/2016	0.00289 (JD)	
10/7/2016	<0.0065	
4/6/2017	<0.0065	
10/6/2017	0.0071 (J)	
3/22/2018	<0.0065	
10/3/2018	<0.0065	
3/26/2019	<0.0065	
9/11/2019	0.0085	
3/18/2020	0.0052	
9/10/2020	0.0038 (J)	
4/6/2021		0.004 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/9/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/20/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0038 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/10/2010	<0.005	
6/16/2010	<0.005	
7/26/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/6/2013	<0.005	
5/23/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0077	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/11/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/2/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/8/2014	<0.005	
5/23/2015	<0.005	
11/10/2015	<0.005	
4/11/2016	<0.005	
10/5/2016	0.0085 (O)	
4/5/2017	<0.005	
10/5/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0059	
3/19/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/11/2010	<0.005	
6/19/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/28/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/9/2013	<0.005	
11/5/2013	<0.005	
5/22/2014	<0.005	
11/13/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/4/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
10/2/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.004 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/11/2010	<0.005	
6/17/2010	<0.005	
7/27/2010	<0.005	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005	
10/5/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/12/2019	0.0065	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/11/2010	0.018 (O)	
6/17/2010	<0.005	
7/28/2010	0.016 (O)	
9/7/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/3/2012	<0.005	
11/9/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/10/2015	<0.005	
4/12/2016	<0.005 (D)	
10/5/2016	0.01 (O)	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.0069	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/11/2010	<0.005	
6/17/2010	<0.005	
7/28/2010	<0.005	
9/8/2010	<0.005	
4/28/2011	<0.005	
10/29/2011	<0.005	
5/3/2012	<0.005	
11/10/2012	<0.005	
5/10/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/22/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	0.00203 (J)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/10/2019	0.006	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/29/2011	<0.005	
10/28/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/22/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	0.0089 (J)	
4/19/2016	0.0133 (O)	
10/6/2016	<0.005	
4/6/2017	0.0087 (J)	
10/5/2017	0.0078 (J)	
3/22/2018	0.0086 (J)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/18/2020	0.0045 (J)	
9/9/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/11/2010	<0.005	
6/18/2010	<0.005	
7/27/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/9/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/12/2016	<0.005	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/6/2017	<0.005	
3/21/2018	<0.005	
10/3/2018	<0.005	
3/26/2019	<0.005	
9/11/2019	0.0062	
3/18/2020	<0.005	
9/10/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/10/2010	<0.005	
6/18/2010	<0.005	
7/28/2010	<0.005	
9/9/2010	<0.005	
4/30/2011	<0.005	
10/29/2011	<0.005	
5/4/2012	<0.005	
11/10/2012	<0.005	
5/9/2013	<0.005	
11/7/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/24/2015	<0.005	
11/11/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/7/2017	<0.005	
10/6/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0074	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/1/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/10/2010	<0.005	
6/19/2010	0.0081 (J)	
7/28/2010	0.017 (J)	
9/8/2010	0.085	
4/30/2011	0.13 (O)	
10/27/2011	0.03	
5/4/2012	0.029	
11/11/2012	0.046	
5/10/2013	0.23 (O)	
11/7/2013	0.028	
5/21/2014	0.015 (J)	
11/13/2014	0.13 (O)	
5/23/2015	0.059	
11/11/2015	0.079	
4/19/2016	0.0218	
10/10/2016	0.013 (J)	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/22/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0052	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/28/2021 9:56 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/10/2010	<0.005	
6/16/2010	<0.005	
7/27/2010	<0.005	
9/8/2010	<0.005	
4/29/2011	<0.005	
10/27/2011	<0.005	
5/3/2012	<0.005	
11/11/2012	<0.005	
5/9/2013	<0.005	
11/6/2013	<0.005	
5/21/2014	<0.005	
11/12/2014	<0.005	
5/23/2015	<0.005	
11/12/2015	<0.005	
4/13/2016	<0.005 (D)	
10/6/2016	<0.005	
4/6/2017	<0.005	
10/5/2017	<0.005	
3/21/2018	<0.005	
10/2/2018	<0.005	
3/27/2019	<0.005	
9/11/2019	0.0037 (J)	
3/18/2020	<0.005	
9/9/2020	<0.005	
4/1/2021		<0.005

FIGURE H.

Appendix I Interwell Prediction Limits - Intrawell Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

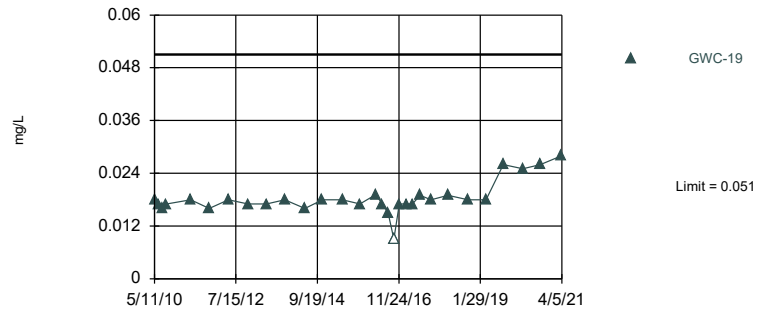
Appendix I Interwell Prediction Limits - Intrawell Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWC-19	0.051	n/a	4/5/2021	0.028	No	90	n/a	n/a	2.222	n/a	n/a	0.0002346	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.0084	n/a	4/1/2021	0.01	Yes	75	n/a	n/a	93.33	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

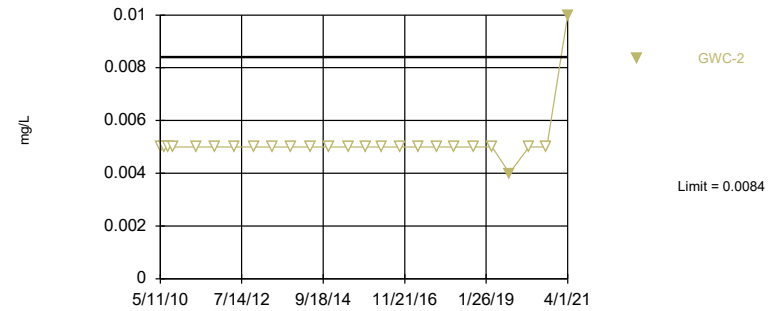


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 2.222% NDs. Annual per-constituent alpha = 0.007944. Individual comparison alpha = 0.0002346 (1 of 2). Assumes 16 future values.

Constituent: Barium, Total Analysis Run 6/24/2021 11:33 AM View: Appendix I Exceedances
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limit: GWC-2

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 75 background values. 93.33% NDs. Annual per-constituent alpha = 0.0114. Individual comparison alpha = 0.000337 (1 of 2). Assumes 16 future values.

Constituent: Zinc Analysis Run 6/24/2021 11:33 AM View: Appendix I Exceedances
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-19
5/8/2010	0.048 (J)			
5/9/2010		0.01 (J)	0.031 (J)	
5/11/2010				0.018 (J)
6/16/2010	0.044 (J)		0.029 (J)	0.017 (J)
6/18/2010		0.01 (J)		
7/26/2010	0.042 (J)			
7/27/2010			0.029 (J)	0.016 (J)
7/28/2010		0.011 (J)		
9/7/2010	0.04 (J)		0.028 (J)	0.017 (J)
9/9/2010		0.011 (J)		
4/29/2011	0.038 (J)		0.026 (J)	0.018 (J)
4/30/2011		0.0091 (J)		
10/28/2011	0.034	0.0096 (J)	0.025	0.016
5/2/2012	0.03	0.012	0.025	0.018
11/9/2012	0.039 (V)	0.012 (V)	0.028 (V)	0.017 (V)
5/8/2013	0.034	0.01	0.029	
5/9/2013				0.017
11/5/2013		0.0098 (J)		
11/6/2013	0.032		0.026	0.018 (V)
5/20/2014	0.03	0.0081 (J)	0.025	
5/22/2014				0.016
11/8/2014	0.031		0.026	0.018
11/12/2014		0.0098 (J)		
5/22/2015	0.033	0.0088 (J)	0.026	
5/23/2015				0.018
11/9/2015	0.034		0.024	
11/10/2015				0.017
11/11/2015		0.011		
4/6/2016	0.0347	0.00959 (J)	0.026	
4/11/2016				0.0191
6/15/2016	0.029	0.0091 (J)	0.023	
6/16/2016				0.017
8/10/2016	0.027	0.009	0.022	
8/11/2016				0.015
10/4/2016		<0.018	0.024	
10/5/2016	<0.018			<0.018
11/29/2016	0.024		0.023	0.017
11/30/2016		0.011		
2/7/2017	0.029	0.0099	0.024	
2/8/2017				0.017
4/4/2017	0.03	0.0092	0.022	
4/5/2017				0.017
6/20/2017	0.036	0.0099	0.025	
6/21/2017				0.019
10/4/2017		0.0098		
10/5/2017	0.027		0.023	0.018
3/20/2018	0.027	0.01	0.023	0.019
10/2/2018	0.027	0.0099	0.023	0.018
3/26/2019	0.031	0.0099	0.024	0.018
9/10/2019	0.051	0.011	0.039	
9/12/2019				0.026
3/18/2020	0.031	0.01	0.027	

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-19
3/19/2020				0.025
9/9/2020	0.033	0.01	0.024	0.026
4/1/2021	0.029	0.0092 (J)	0.024	
4/5/2021				0.028

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/24/2021 11:35 AM View: Appendix I Exceedances

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWC-2
5/8/2010	<0.005			
5/9/2010		<0.005	<0.005	
5/11/2010				<0.005
6/16/2010	<0.005		<0.005	
6/18/2010		<0.005		
6/19/2010				<0.005
7/26/2010	<0.005			
7/27/2010			<0.005	<0.005
7/28/2010		<0.005		
9/7/2010	<0.005		<0.005	
9/9/2010		<0.005		<0.005
4/28/2011				<0.005
4/29/2011	<0.005		<0.005	
4/30/2011		<0.005		
10/28/2011	<0.005	<0.005	<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005	
5/3/2012				<0.005
11/9/2012	<0.005	<0.005	<0.005	<0.005
5/8/2013	<0.005	<0.005	<0.005	
5/9/2013				<0.005
11/5/2013		<0.005		<0.005
11/6/2013	<0.005		<0.005	
5/20/2014	<0.005	<0.005	<0.005	
5/22/2014				<0.005
11/8/2014	<0.005		<0.005	
11/12/2014		<0.005		
11/13/2014				<0.005
5/22/2015	<0.005	<0.005	<0.005	
5/24/2015				<0.005
11/9/2015	<0.005		<0.005	
11/11/2015		<0.005		<0.005
4/6/2016	0.00274 (J)	<0.005	<0.005	
4/12/2016				<0.005
10/4/2016		<0.005	<0.005	<0.005
10/5/2016	0.0073 (J)			
4/4/2017	<0.005	<0.005	<0.005	
4/6/2017				<0.005
10/4/2017		<0.005		<0.005
10/5/2017	<0.005		<0.005	
3/20/2018	<0.005	<0.005 (D)	<0.005	<0.005
10/2/2018	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005	<0.005
9/10/2019	0.0084	0.006	0.0047 (J)	0.004 (J)
3/18/2020	<0.005	<0.005	<0.005	<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005
4/1/2021	<0.005	<0.005	<0.005	0.01

FIGURE I.

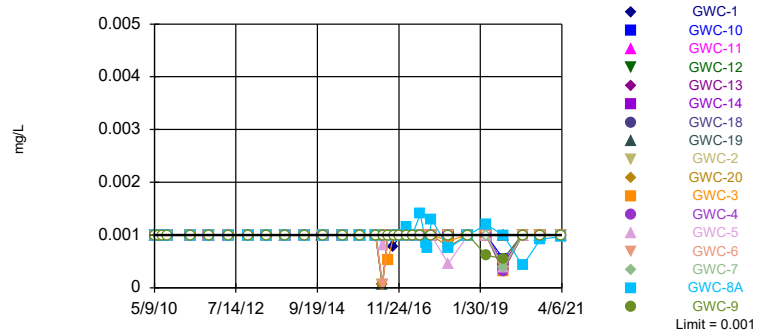
Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 11:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-10	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-11	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-12	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-14	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-18	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-19	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-2	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-20	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-3	0.001	n/a	4/6/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-4	0.001	n/a	4/2/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-5	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-7	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-8A	0.001	n/a	4/5/2021	0.00097J	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-9	0.001	n/a	4/1/2021	0.001ND	No	90	n/a	n/a	96.67	n/a	n/a	0.0002346	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-1	0.001	n/a	4/1/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-13	0.001	n/a	4/6/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.001	n/a	4/5/2021	0.001ND	No	75	n/a	n/a	100	n/a	n/a	0.000337	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

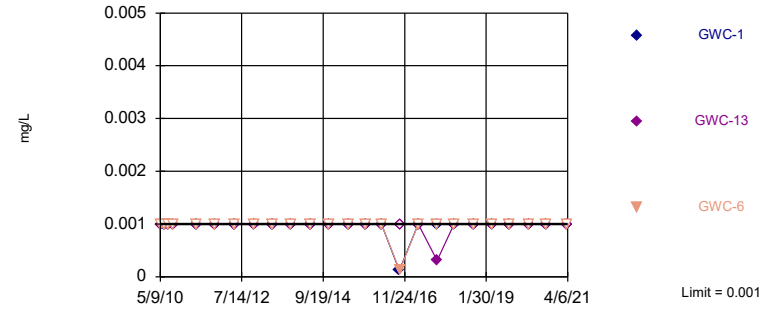


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 96.67% NDs. Annual per-constituent alpha = 0.007944. Individual comparison alpha = 0.0002346 (1 of 2). Comparing 17 points to limit.

Constituent: Arsenic, Total Analysis Run 6/24/2021 11:43 AM View: Appendix I - Interwell
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 75) were censored; limit is most recent reporting limit. Annual per-constituent alpha = 0.0114. Individual comparison alpha = 0.000337 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: Silver Analysis Run 6/24/2021 11:43 AM View: Appendix I - Interwell
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-12	GWC-14	GWA-16 (bg)	GWC-13	GWC-18	GWC-10	GWC-7
4/13/2016			<0.001 (D)	<0.001 (D)		<0.001 (D)		<0.001 (D)	<0.001 (D)
4/19/2016									
6/15/2016	<0.001	<0.001			<0.001				
6/16/2016							<0.001		
6/20/2016									<0.001
6/21/2016			<0.001	<0.001		<0.001		<0.001	
6/22/2016									
8/10/2016	<0.001	<0.001			<0.001				
8/11/2016							<0.001		
8/12/2016									
8/15/2016			<0.001	<0.001		<0.001		<0.001	<0.001
8/16/2016									
10/4/2016		<0.001		<0.001	<0.001				
10/5/2016	<0.001		<0.001				<0.001	<0.001	
10/6/2016									<0.001
10/7/2016						<0.001			
10/10/2016									
11/29/2016	<0.001				<0.001		<0.001		
11/30/2016		<0.001							
12/1/2016			<0.001	<0.001		<0.001		<0.001	<0.001
2/7/2017	<0.001	<0.001		<0.001	<0.001				
2/8/2017			<0.001				<0.001	<0.001	
2/9/2017						<0.001			<0.001
4/4/2017	<0.001	<0.001			<0.001				
4/5/2017			<0.001						
4/6/2017				<0.001		<0.001	<0.001	<0.001	
4/7/2017									<0.001
6/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001				
6/21/2017							<0.001	<0.001	
6/22/2017						<0.001			<0.001
8/15/2017									
9/1/2017									
10/4/2017		<0.001							
10/5/2017	<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	
10/6/2017						<0.001			<0.001
10/9/2017									
3/20/2018	<0.001	<0.001 (D)		<0.001	<0.001		<0.001		
3/21/2018			<0.001 (D)					<0.001	
3/22/2018						<0.001			<0.001
10/2/2018	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
10/3/2018						<0.001			
10/4/2018									<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/27/2019								<0.001	<0.001
9/10/2019	0.00069 (J)	0.00032 (J)			0.00049 (J)				
9/11/2019			0.00038 (J)	0.00045 (J)		0.00042 (J)	0.00043 (J)	0.00055 (J)	0.00038 (J)
9/12/2019									
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/19/2020									<0.001
9/9/2020	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	
9/10/2020			<0.001			<0.001			<0.001
4/1/2021	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-15 (bg)	GWC-12	GWC-14	GWA-16 (bg)	GWC-13	GWC-18	GWC-10	GWC-7
4/2/2021									
4/5/2021									
4/6/2021						<0.001			

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
5/8/2010									
5/9/2010									
5/10/2010	<0.001	<0.001	<0.001						
5/11/2010				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/16/2010	<0.001		<0.001	<0.001					
6/17/2010					<0.001	<0.001	<0.001		
6/18/2010								<0.001	<0.001
6/19/2010		<0.001							
7/26/2010									
7/27/2010	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001
7/28/2010		<0.001			<0.001	<0.001			
7/29/2010									
9/7/2010				<0.001		<0.001			
9/8/2010	<0.001	<0.001	<0.001		<0.001				
9/9/2010							<0.001	<0.001	<0.001
4/26/2011									
4/28/2011					<0.001		<0.001		
4/29/2011	<0.001		<0.001	<0.001		<0.001			<0.001
4/30/2011		<0.001						<0.001	
10/27/2011	<0.001	<0.001	<0.001						
10/28/2011				<0.001		<0.001			<0.001
10/29/2011					<0.001		<0.001	<0.001	
5/2/2012				<0.001					
5/3/2012	<0.001				<0.001	<0.001	<0.001		
5/4/2012		<0.001	<0.001					<0.001	<0.001
11/9/2012				<0.001		<0.001	<0.001		
11/10/2012			<0.001		<0.001			<0.001	<0.001
11/11/2012	<0.001	<0.001							
5/8/2013									
5/9/2013	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001
5/10/2013		<0.001			<0.001	<0.001			
11/5/2013							<0.001		
11/6/2013	<0.001		<0.001	<0.001	<0.001	<0.001			<0.001
11/7/2013		<0.001						<0.001	
5/20/2014			<0.001						
5/21/2014	<0.001	<0.001						<0.001	
5/22/2014				<0.001	<0.001	<0.001			<0.001
5/23/2014							<0.001		
11/8/2014				<0.001					
11/9/2014					<0.001	<0.001		<0.001	<0.001
11/12/2014	<0.001		<0.001						
11/13/2014		<0.001					<0.001		
5/22/2015					<0.001	<0.001			
5/23/2015	<0.001	<0.001		<0.001			<0.001		
5/24/2015			<0.001					<0.001	<0.001
11/9/2015									
11/10/2015				<0.001		<0.001			
11/11/2015		<0.001			<0.001		<0.001	<0.001	<0.001
11/12/2015	<0.001		<0.001						
4/6/2016									
4/11/2016				<0.001					
4/12/2016					<0.001	<0.001 (D)	<0.001	<0.001	

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
4/13/2016	<0.001 (D)		<0.001 (D)						
4/19/2016		<0.001							<0.001
6/15/2016									
6/16/2016				5.1E-05 (J)			6E-05 (J)		
6/20/2016					<0.001	<0.001		6.3E-05 (J)	
6/21/2016			<0.001						
6/22/2016	<0.001								0.0008
8/10/2016									
8/11/2016				<0.001			<0.001		
8/12/2016					<0.001	0.00053 (J)		<0.001	
8/15/2016	<0.001		<0.001						
8/16/2016									<0.001
10/4/2016							0.00079		
10/5/2016			<0.001	<0.001		<0.001			
10/6/2016	<0.001				<0.001			<0.001	<0.001
10/7/2016									
10/10/2016		<0.001							
11/29/2016				<0.001					
11/30/2016					<0.001	<0.001	<0.001	<0.001	
12/1/2016	<0.001	<0.001	<0.001						<0.001
2/7/2017							<0.001		
2/8/2017	<0.001		<0.001	<0.001	<0.001	<0.001			
2/9/2017		0.00115 (D)						<0.001	<0.001
4/4/2017									
4/5/2017				<0.001			<0.001		
4/6/2017	<0.001		<0.001		<0.001	<0.001		<0.001	<0.001
4/7/2017		<0.001							
6/20/2017			<0.001				<0.001		
6/21/2017	<0.001	0.0014		<0.001		<0.001		<0.001	<0.001
6/22/2017					<0.001				
8/15/2017		0.00086							
9/1/2017		0.00075							
10/4/2017							<0.001		
10/5/2017	<0.001		<0.001	<0.001		<0.001			<0.001
10/6/2017					<0.001			<0.001	
10/9/2017		0.0013							
3/20/2018				<0.001			<0.001		
3/21/2018	<0.001		<0.001		<0.001	0.00089		<0.001	
3/22/2018		0.00075							0.00046 (J)
10/2/2018	<0.001		<0.001	<0.001			<0.001		
10/3/2018					<0.001	<0.001		<0.001	<0.001
10/4/2018		<0.001							
3/26/2019				<0.001	<0.001	<0.001	<0.001	<0.001	
3/27/2019	0.00062	0.0012	<0.001						<0.001
9/10/2019					0.00032 (J)	0.00032 (J)	0.00033 (J)		
9/11/2019	0.00055 (J)	0.001 (J)	0.00045 (J)					0.00041 (J)	0.00038 (J)
9/12/2019				<0.001					
3/18/2020	<0.001	0.00042 (J)	<0.001			<0.001	<0.001	<0.001	<0.001
3/19/2020				<0.001	<0.001				
9/9/2020	<0.001	0.00092 (J)		<0.001			<0.001		<0.001
9/10/2020			<0.001		<0.001	<0.001		<0.001	
4/1/2021	<0.001		<0.001				<0.001		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-8A	GWC-11	GWC-19	GWC-4	GWC-3	GWC-1	GWC-6	GWC-5
4/2/2021					<0.001				
4/5/2021		0.00097 (J)		<0.001				<0.001	
4/6/2021						<0.001			

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
5/8/2010		
5/9/2010		
5/10/2010		
5/11/2010	<0.001	<0.001
6/16/2010		
6/17/2010	<0.001	
6/18/2010		
6/19/2010		<0.001
7/26/2010		
7/27/2010	<0.001	<0.001
7/28/2010		
7/29/2010		
9/7/2010	<0.001	
9/8/2010		
9/9/2010		<0.001
4/26/2011		
4/28/2011		<0.001
4/29/2011	<0.001	
4/30/2011		
10/27/2011		
10/28/2011	<0.001	<0.001
10/29/2011		
5/2/2012		
5/3/2012	<0.001	<0.001
5/4/2012		
11/9/2012		<0.001
11/10/2012	<0.001	
11/11/2012		
5/8/2013		
5/9/2013	<0.001	<0.001
5/10/2013		
11/5/2013		<0.001
11/6/2013	<0.001	
11/7/2013		
5/20/2014		
5/21/2014		
5/22/2014	<0.001	<0.001
5/23/2014		
11/8/2014		
11/9/2014	<0.001	
11/12/2014		
11/13/2014		<0.001
5/22/2015		
5/23/2015		
5/24/2015	<0.001	<0.001
11/9/2015		
11/10/2015	<0.001	
11/11/2015		<0.001
11/12/2015		
4/6/2016		
4/11/2016		
4/12/2016	<0.001	<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
4/13/2016		
4/19/2016		
6/15/2016		
6/16/2016	5.4E-05 (J)	5.5E-05 (J)
6/20/2016		
6/21/2016		
6/22/2016		
8/10/2016		
8/11/2016	<0.001	<0.001
8/12/2016		
8/15/2016		
8/16/2016		
10/4/2016		<0.001
10/5/2016	<0.001	
10/6/2016		
10/7/2016		
10/10/2016		
11/29/2016		
11/30/2016	<0.001	<0.001
12/1/2016		
2/7/2017		<0.001
2/8/2017	<0.001	
2/9/2017		
4/4/2017		
4/5/2017		
4/6/2017	<0.001	<0.001
4/7/2017		
6/20/2017		<0.001
6/21/2017	<0.001	
6/22/2017		
8/15/2017		
9/1/2017		
10/4/2017		<0.001
10/5/2017	<0.001	
10/6/2017		
10/9/2017		
3/20/2018		<0.001
3/21/2018	0.00078	
3/22/2018		
10/2/2018		<0.001
10/3/2018	<0.001	
10/4/2018		
3/26/2019	<0.001	<0.001
3/27/2019		
9/10/2019		0.00038 (J)
9/11/2019		
9/12/2019	<0.001	
3/18/2020		<0.001
3/19/2020	<0.001	
9/9/2020		<0.001
9/10/2020	<0.001	
4/1/2021		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-2
4/2/2021		
4/5/2021	<0.001	
4/6/2021		

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWC-13	GWA-15 (bg)	GWC-1	GWC-6
5/8/2010	<0.001					
5/9/2010		<0.001	<0.001	<0.001		
5/11/2010					<0.001	<0.001
6/16/2010	<0.001	<0.001				
6/17/2010					<0.001	
6/18/2010			<0.001	<0.001		<0.001
7/26/2010	<0.001					
7/27/2010		<0.001			<0.001	<0.001
7/28/2010				<0.001		
7/29/2010			<0.001			
9/7/2010	<0.001	<0.001				
9/9/2010			<0.001	<0.001	<0.001	<0.001
4/26/2011			<0.001			
4/28/2011					<0.001	
4/29/2011	<0.001	<0.001				
4/30/2011				<0.001		<0.001
10/28/2011	<0.001	<0.001	<0.001	<0.001		
10/29/2011					<0.001	<0.001
5/2/2012	<0.001	<0.001		<0.001		
5/3/2012					<0.001	
5/4/2012			<0.001			<0.001
11/9/2012	<0.001	<0.001		<0.001	<0.001	
11/10/2012						<0.001
11/11/2012			<0.001			
5/8/2013	<0.001	<0.001	<0.001	<0.001		
5/9/2013					<0.001	<0.001
11/5/2013				<0.001	<0.001	
11/6/2013	<0.001	<0.001				
11/7/2013			<0.001			<0.001
5/20/2014	<0.001	<0.001	<0.001	<0.001		
5/21/2014						<0.001
5/23/2014					<0.001	
11/8/2014	<0.001	<0.001				
11/9/2014						<0.001
11/12/2014			<0.001	<0.001		
11/13/2014					<0.001	
5/22/2015	<0.001	<0.001		<0.001		
5/23/2015					<0.001	
5/24/2015			<0.001			<0.001
11/9/2015	<0.001	<0.001				
11/11/2015				<0.001	<0.001	<0.001
11/12/2015			<0.001			
4/6/2016	<0.001	<0.001		<0.001		
4/12/2016					<0.001	<0.001
4/13/2016			<0.001 (D)			
10/4/2016		<0.001		<0.001	0.00012 (J)	
10/5/2016	<0.001					
10/6/2016						0.00012 (J)
10/7/2016			<0.001			
4/4/2017	<0.001	<0.001		<0.001		
4/5/2017					<0.001	
4/6/2017			<0.001			<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/24/2021 11:54 AM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17 (bg)	GWA-16 (bg)	GWC-13	GWA-15 (bg)	GWC-1	GWC-6
10/4/2017				<0.001	<0.001	
10/5/2017	<0.001	<0.001				
10/6/2017			0.00031			<0.001
3/20/2018	<0.001	<0.001		<0.001 (D)	<0.001	
3/21/2018						<0.001
3/22/2018			<0.001			
10/2/2018	<0.001	<0.001		<0.001	<0.001	
10/3/2018			<0.001			<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2019	<0.001	<0.001		<0.001	<0.001	
9/11/2019			<0.001			<0.001
3/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/9/2020	<0.001	<0.001		<0.001	<0.001	
9/10/2020			<0.001			<0.001
4/1/2021	<0.001	<0.001		<0.001	<0.001	
4/5/2021						<0.001
4/6/2021			<0.001			

FIGURE J.

Appendix I Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP

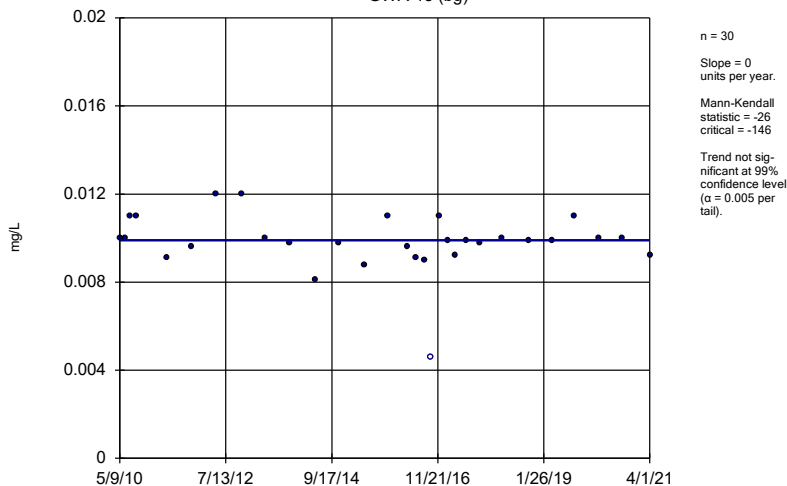
Appendix I Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/21/2021, 4:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-15 (bg)	0	-26	-146	No	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-16 (bg)	-0.0004574	-177	-146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-17 (bg)	-0.001135	-170	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-19	0.0002759	158	146	Yes	30	3.333	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-15 (bg)	0	-11	-146	No	30	96.67	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-16 (bg)	0	-16	-146	No	30	90	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWA-17 (bg)	0	-3	-146	No	30	93.33	n/a	n/a	0.01	NP
Selenium, Total (mg/L)	GWC-5	0.0004765	83	146	No	30	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0	18	111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-16 (bg)	0	-18	-111	No	25	96	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-17 (bg)	0	19	111	No	25	88	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-2	0	5	111	No	25	92	n/a	n/a	0.01	NP

Sen's Slope Estimator

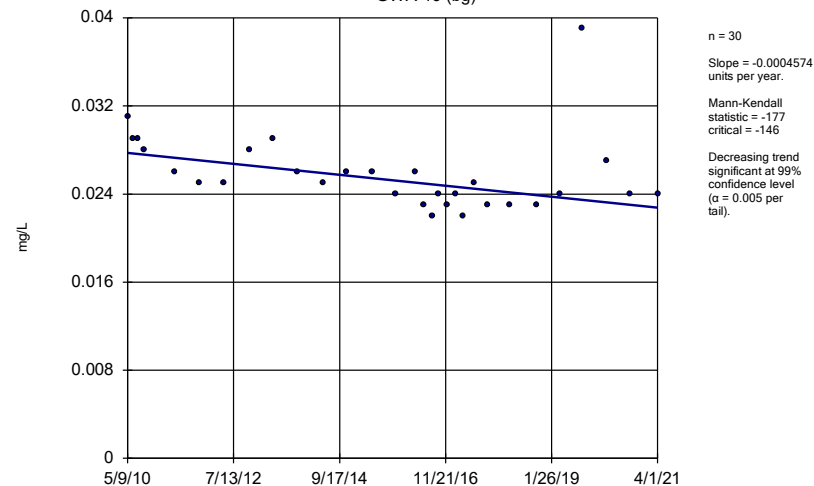
GWA-15 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 4:45 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

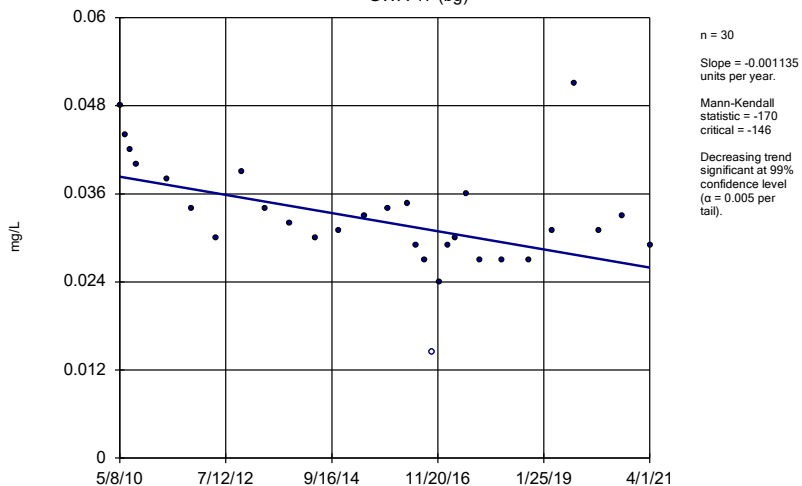
GWA-16 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

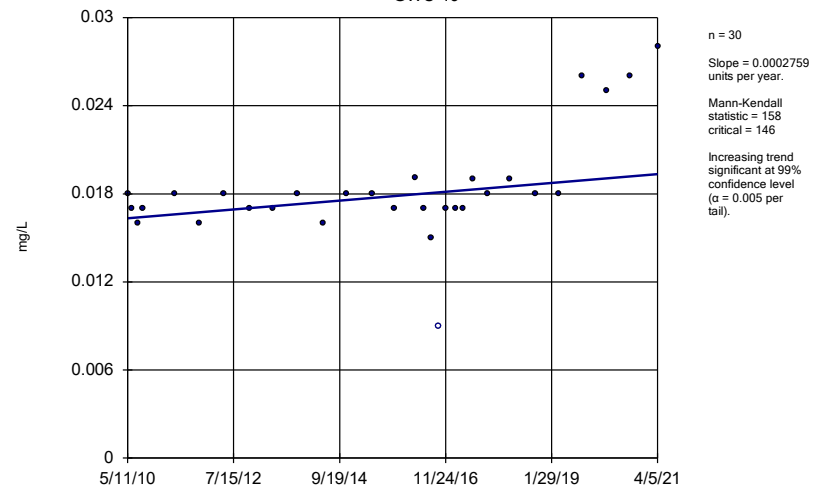
GWA-17 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

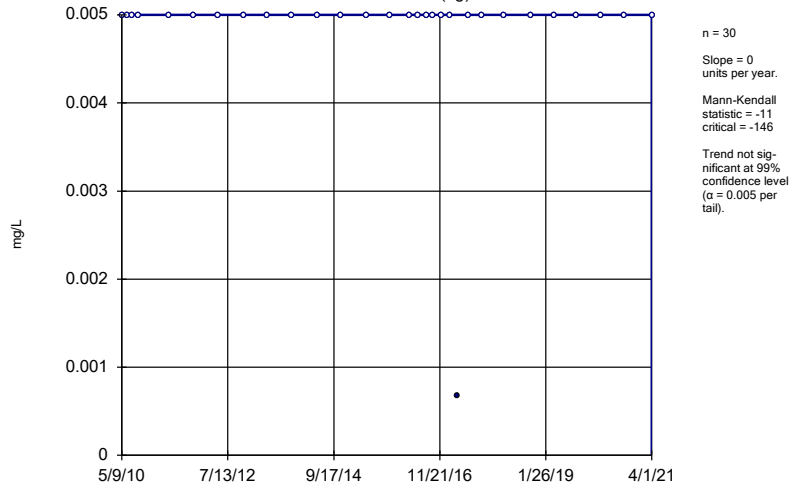
GWC-19



Constituent: Barium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

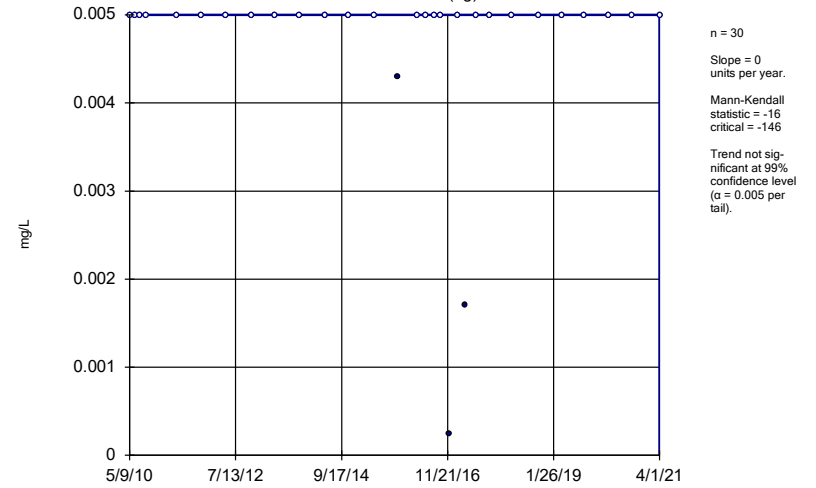
GWA-15 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

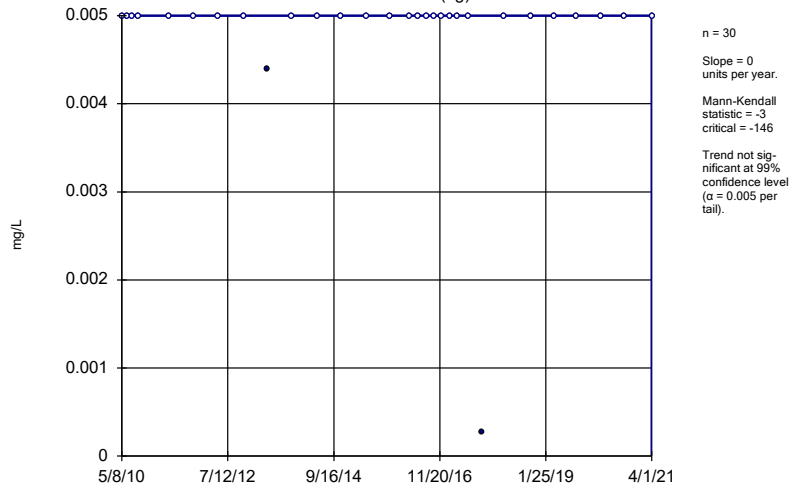
GWA-16 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

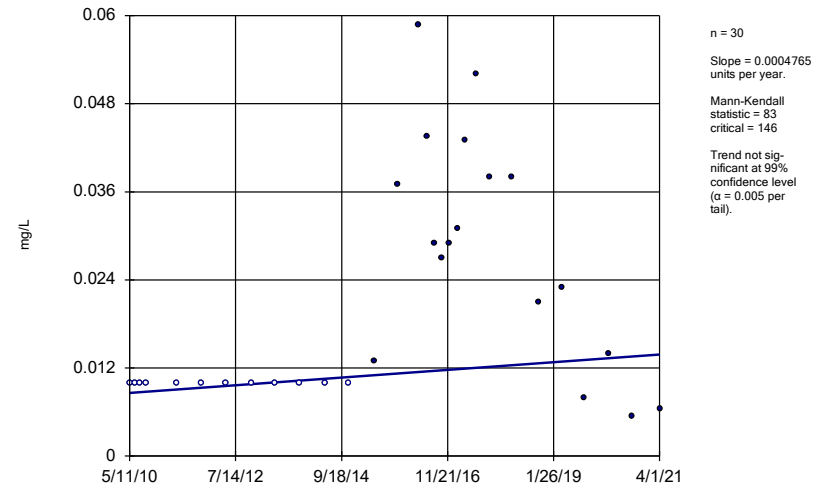
GWA-17 (bg)



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

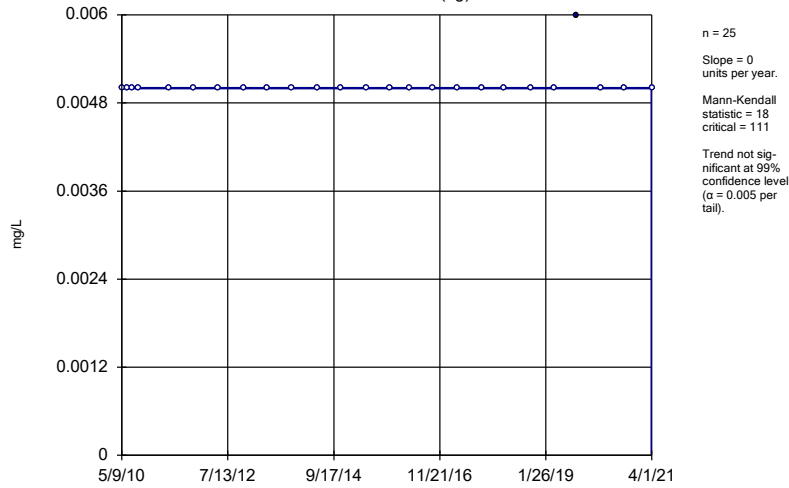
GWC-5



Constituent: Selenium, Total Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

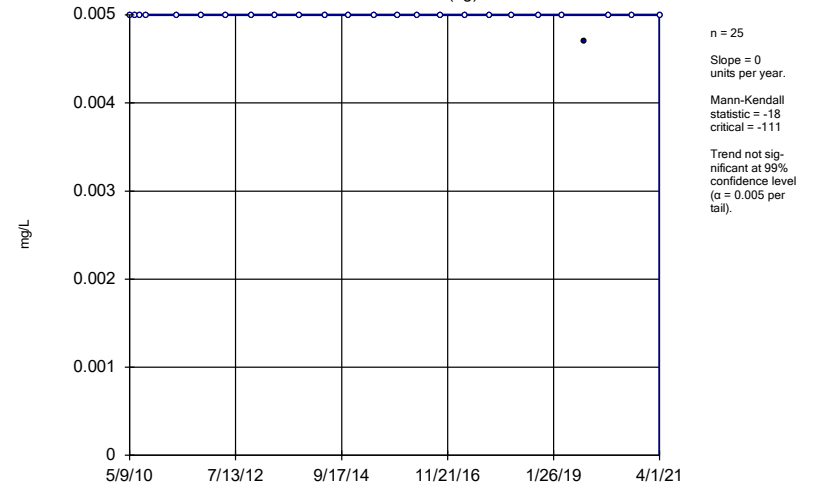
GWA-15 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

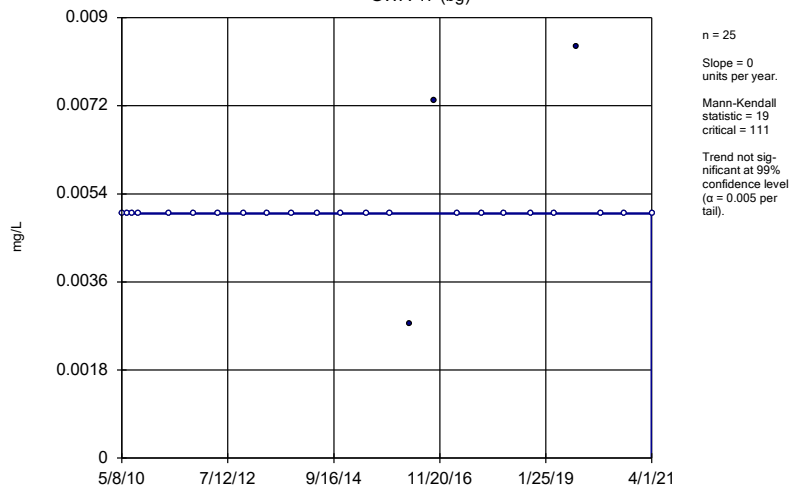
GWA-16 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

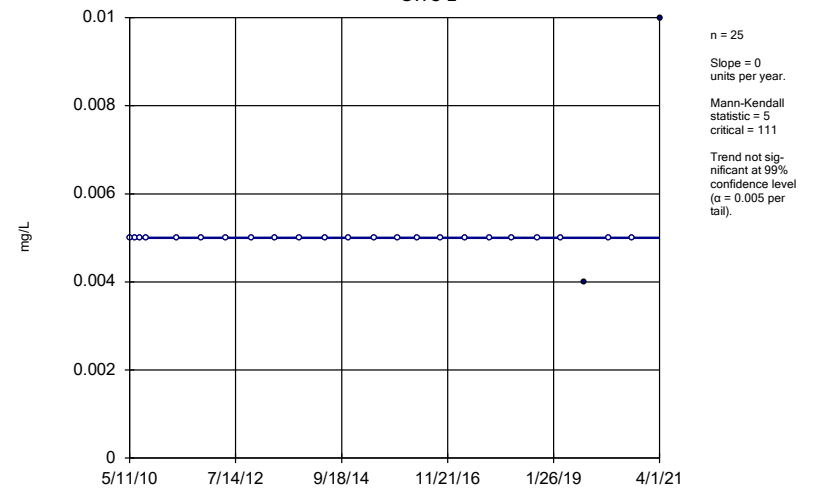
GWA-17 (bg)



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

GWC-2



Constituent: Zinc Analysis Run 6/21/2021 4:46 PM View: Appendix I Trend Tests
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

FIGURE K.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-17	0.08	n/a	4/1/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-1	0.08	n/a	4/1/2021	0.053J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.08	n/a	4/6/2021	0.056J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-3	0.08	n/a	4/6/2021	0.078J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.6172	n/a	4/1/2021	0.23	No	15	0.3445	0.1034	6.667	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	4/5/2021	0.042J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8A	0.3262	n/a	4/5/2021	0.18	No	14	0.1846	0.05242	0	None	No	0.0004426	Param Intra 1 of 2
Boron, total (mg/L)	GWC-9	0.1305	n/a	4/1/2021	0.059J	No	15	0.08718	0.0164	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-15	5.463	n/a	4/1/2021	4	No	15	4.215	0.4731	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-16	14.38	n/a	4/1/2021	12	No	15	11.59	1.055	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-17	8.711	n/a	4/1/2021	7.8	No	15	6.639	0.7855	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-1	20.62	n/a	4/1/2021	18	No	15	17.13	1.326	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	21.64	n/a	4/1/2021	19	No	15	16.8	1.835	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	15.09	n/a	4/1/2021	13	No	15	12.69	0.9098	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	1.581	n/a	4/1/2021	1.2	No	15	1.095	0.184	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	9.036	n/a	4/6/2021	7.4	No	15	1.862	0.08384	0	None	x^(1/3)	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14	7.744	n/a	4/1/2021	6.2	No	15	6.446	0.4921	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-18	12.05	n/a	4/1/2021	11	No	15	10.29	0.6675	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-19	15.99	n/a	4/5/2021	15	No	15	11.46	1.718	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-2	20.61	n/a	4/1/2021	17	No	15	17.31	1.248	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-20	16.02	n/a	4/5/2021	14	No	15	13.43	0.9796	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-3	11.1	n/a	4/6/2021	7.4	No	15	7.961	1.19	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-4	16.56	n/a	4/2/2021	15	No	15	12.47	1.553	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	222.5	n/a	4/1/2021	40	No	15	107.3	43.67	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6	21.67	n/a	4/5/2021	16	No	15	17.82	1.459	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7	16.33	n/a	4/1/2021	15	No	15	14.12	0.8377	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8A	45.47	n/a	4/5/2021	52	Yes	10	25.9	6.402	0	None	No	0.0004426	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	19.78	n/a	4/1/2021	16	No	15	17.05	1.037	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-15	6.3	n/a	4/1/2021	7	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-16	2.089	n/a	4/1/2021	1.8	No	15	1.646	0.1678	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-17	2.117	n/a	4/1/2021	1.5	No	15	1.566	0.2089	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-1	4.775	n/a	4/1/2021	4.2	No	15	3.841	0.354	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-10	4.3	n/a	4/1/2021	4.4	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	2.109	n/a	4/1/2021	1.9	No	15	1.772	0.1278	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-12	2.15	n/a	4/1/2021	2	No	15	1.753	0.1506	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-13	1.976	n/a	4/6/2021	1.8	No	15	1.548	0.1621	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-14	3.365	n/a	4/1/2021	3.8	Yes	15	2.894	0.1784	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-18	2.9	n/a	4/1/2021	2.8	No	15	2.515	0.1457	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-19	2.435	n/a	6/1/2021	2.6	Yes	15	1.338	0.08444	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-2	2.66	n/a	4/1/2021	2.5	No	15	2.123	0.2035	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-20	2.425	n/a	6/1/2021	2.1	No	15	7.311	2.638	6.667	None	x^3	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-3	4.015	n/a	4/6/2021	2.9	No	15	3.176	0.3181	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-4	15.93	n/a	4/2/2021	11	No	15	7.238	3.295	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-5	100	n/a	4/1/2021	18	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Chloride, Total (mg/L)	GWC-6	9.041	n/a	6/2/2021	6.3	No	14	6.021	1.119	0	None	No	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-7	2.5	n/a	4/1/2021	2.9	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8A	10.77	n/a	6/1/2021	9.4	No	14	2.006	0.1373	0	None	ln(x)	0.0004426	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-9	4.39	n/a	4/1/2021	4.3	No	15	3.523	0.3286	0	None	No	0.0004426	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWA-15	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-16	0.082	n/a	4/1/2021	0.035J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-17	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-1	0.1091	n/a	4/1/2021	0.081J	No	15	0.006016	0.00223	33.33	Kaplan-Meier	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-10	0.088	n/a	4/1/2021	0.086J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.082	n/a	4/1/2021	0.042J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.082	n/a	4/6/2021	0.026J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-14	0.1	n/a	4/1/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-18	0.1	n/a	4/1/2021	0.041J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-19	0.1	n/a	6/1/2021	0.026J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-2	0.082	n/a	4/1/2021	0.043J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-20	0.1	n/a	6/1/2021	0.033J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-3	0.091	n/a	4/6/2021	0.045J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-4	0.1466	n/a	4/2/2021	0.097J	No	15	0.009818	0.004428	0	None	x*2	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-5	0.082	n/a	4/1/2021	0.029J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.082	n/a	6/2/2021	0.038J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7	0.12	n/a	4/1/2021	0.072J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8A	0.2241	n/a	6/1/2021	0.034J	No	14	0.1081	0.04297	0	None	No	0.0004426	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-9	0.096	n/a	4/1/2021	0.072J	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH, Field (S.U.)	GWA-15	5.761	5.24	4/1/2021	5.31	No	18	5.501	0.1037	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-16	6.563	6.191	4/1/2021	6.44	No	18	6.377	0.07404	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWA-17	6.338	5.628	4/1/2021	6.14	No	18	5.983	0.1415	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-1	6.745	6.3	4/1/2021	6.52	No	18	6.522	0.08869	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	6.659	6.027	4/1/2021	6.35	No	18	6.343	0.1259	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.354	5.988	4/1/2021	6.11	No	17	6.171	0.07184	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	5.433	4.859	4/1/2021	5.18	No	18	5.146	0.1143	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	6.052	5.659	4/6/2021	5.95	No	19	6.960	466.8	0	None	x*5	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-14	5.903	5.332	4/1/2021	5.53	No	17	5.617	0.1122	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-18	6.46	6.164	4/1/2021	6.37	No	18	6.312	0.05897	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-19	6.518	6.229	6/1/2021	6.18	Yes	17	6.374	0.05689	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-2	7	6.35	4/1/2021	7.32	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-20	6.664	6.342	6/1/2021	6.39	No	18	6.503	0.06408	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-3	6.201	5.69	4/6/2021	6.01	No	18	5.946	0.1019	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-4	6.591	5.971	4/2/2021	6.35	No	18	39.54	1.551	0	None	x*2	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-5	6.158	5.348	4/1/2021	6.01	No	18	5.753	0.1613	0	None	No	0.0002213	Param Intra 1 of 2
pH, Field (S.U.)	GWC-6	6.43	6.09	6/2/2021	6.09	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-7	6.42	5.96	4/1/2021	6.4	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-8A	7.26	6.24	6/1/2021	6.28	No	21	n/a	n/a	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-9	6.922	6.294	4/1/2021	6.28	Yes	18	6.608	0.1251	0	None	No	0.0002213	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-15	3.1	n/a	4/1/2021	2.7	No	15	n/a	n/a	53.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-16	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-17	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-1	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	40	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	1.475	n/a	4/1/2021	2.7	Yes	11	0.7701	0.2398	27.27	Kaplan-Meier	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-11	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-12	1.3	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-13	1.3	n/a	4/6/2021	0.9J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	1.2	n/a	6/1/2021	1.9	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	0.99	n/a	4/1/2021	1.1	Yes	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2

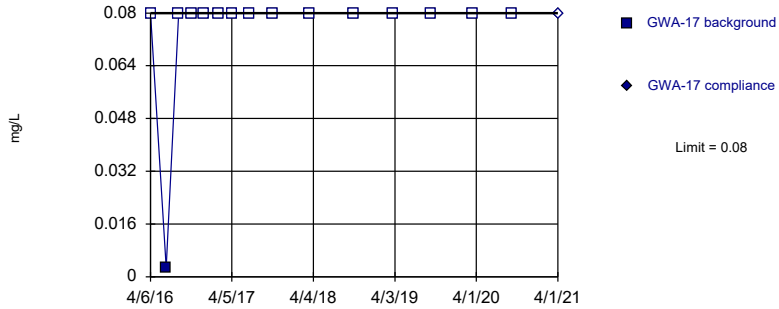
Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/28/2021, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-20	1	n/a	6/1/2021	1.4	Yes	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-3	1.1	n/a	4/6/2021	1ND	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-4	6.288	n/a	4/2/2021	4.6	No	15	2.937	1.27	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	490	n/a	4/1/2021	100	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	17.41	n/a	6/2/2021	13	No	15	10.19	2.735	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	1	n/a	4/1/2021	1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-8A	55.93	n/a	6/1/2021	17	No	14	30.76	9.32	0	None	No	0.0004426	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	16.91	n/a	4/1/2021	9.7	No	15	9.857	2.672	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-15	76.79	n/a	4/1/2021	55	No	15	35.07	15.82	13.33	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-16	153.2	n/a	4/1/2021	100	No	15	93.67	22.56	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-17	132.7	n/a	4/1/2021	68	No	15	66.53	25.08	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-1	164.7	n/a	4/1/2021	120	No	15	131.1	12.73	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	180.4	n/a	4/1/2021	140	No	14	127.6	19.55	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	293	n/a	4/1/2021	90	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	94.94	n/a	4/1/2021	17	No	15	4.249	2.083	26.67	Kaplan-Meier	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	119.3	n/a	4/6/2021	55	No	14	58.14	22.64	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	103	n/a	4/1/2021	43	No	15	55	18.21	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	120.6	n/a	4/1/2021	62	No	15	84.33	13.75	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	164.4	n/a	6/1/2021	130	No	15	90.33	28.07	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-2	192.3	n/a	4/1/2021	120	No	15	116.2	28.83	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	146.1	n/a	6/1/2021	120	No	15	102.9	16.4	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-3	112.1	n/a	4/6/2021	81	No	15	79.13	12.48	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-4	166.6	n/a	4/2/2021	150	No	15	116.9	18.84	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1654	n/a	4/1/2021	260	No	15	823.3	314.8	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	183.8	n/a	6/2/2021	140	No	15	144.8	14.77	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	155.6	n/a	4/1/2021	110	No	15	116.4	14.86	0	None	No	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8A	404	n/a	6/1/2021	340	No	13	14.63	1.981	0	None	sqrt(x)	0.0004426	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	205.7	n/a	4/1/2021	120	No	15	20532	8252	0	None	x^2	0.0004426	Param Intra 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric

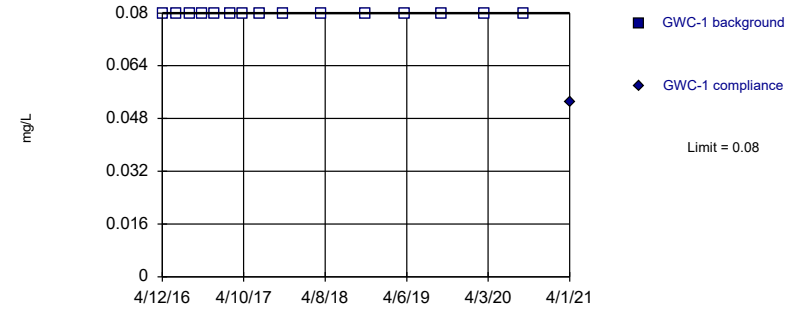


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

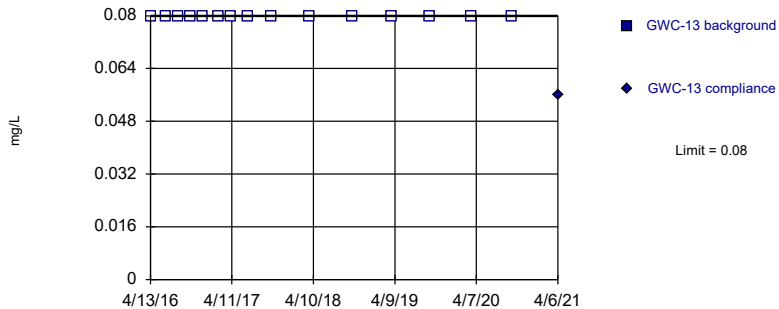


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

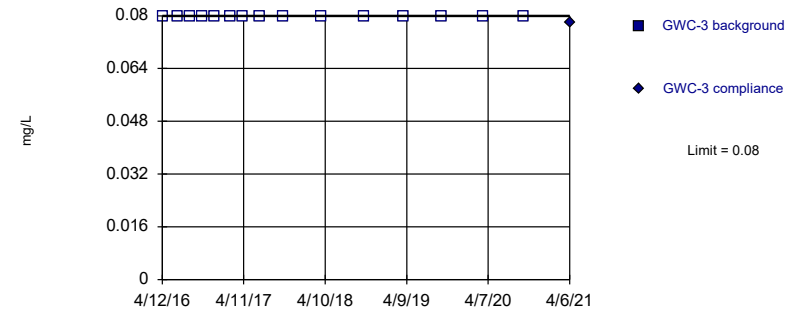


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

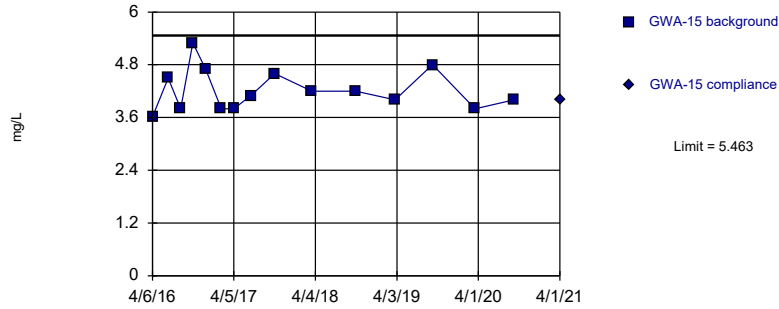


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/28/2021 10:48 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

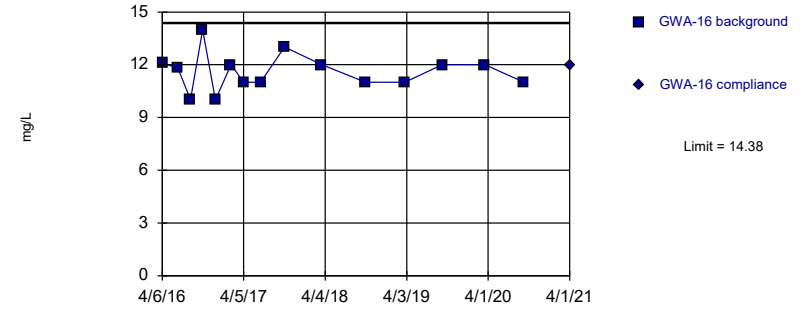


Background Data Summary: Mean=4.215, Std. Dev.=0.4731, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9133, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

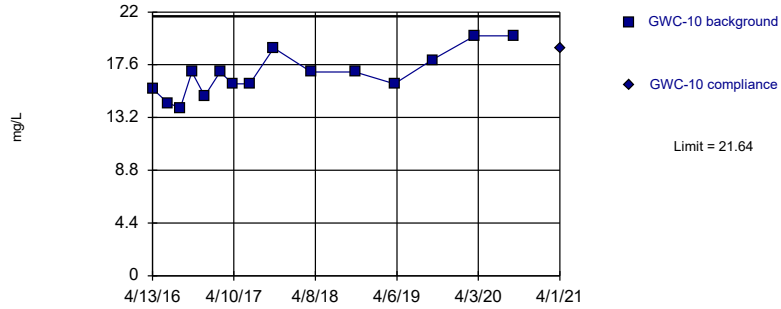
Within Limit

Prediction Limit
Intrawell Parametric



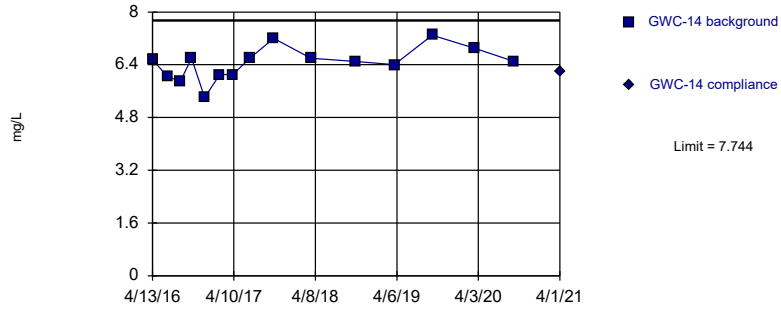
Within Limit

Prediction Limit
Intrawell Parametric



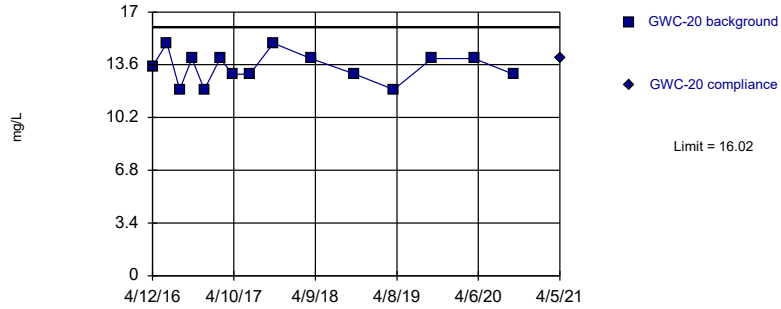
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

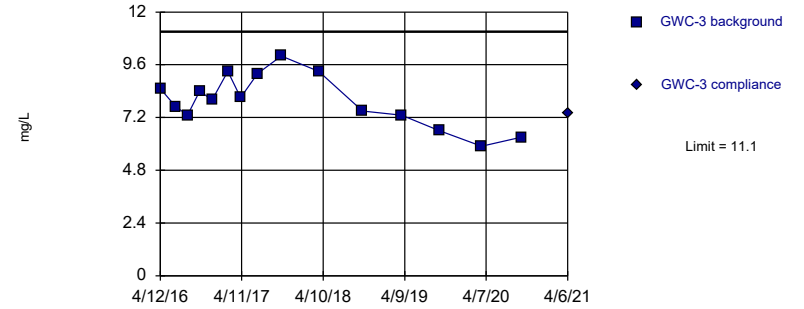


Background Data Summary: Mean=13.43, Std. Dev.=0.9796, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

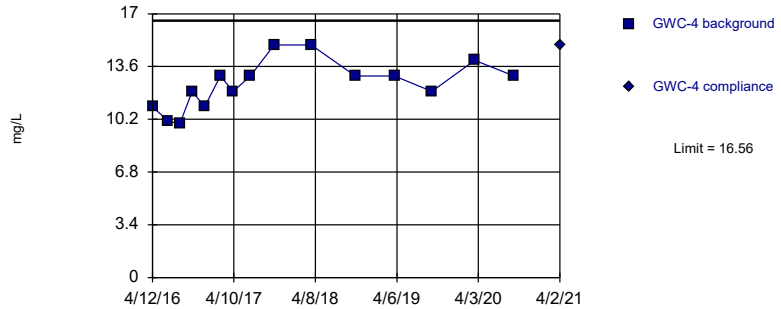


Background Data Summary: Mean=7.961, Std. Dev.=1.19, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Calcium, total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

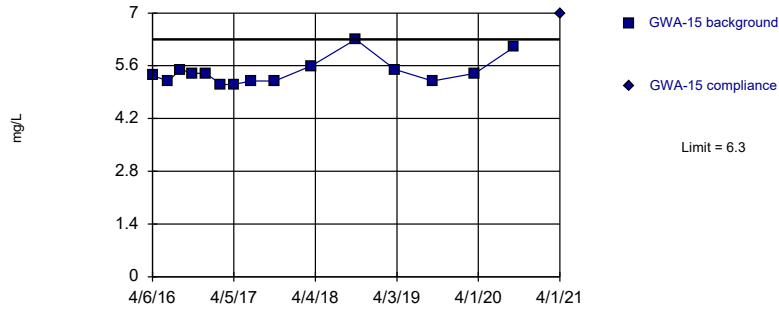
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=12.47, Std. Dev.=1.553, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9415, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

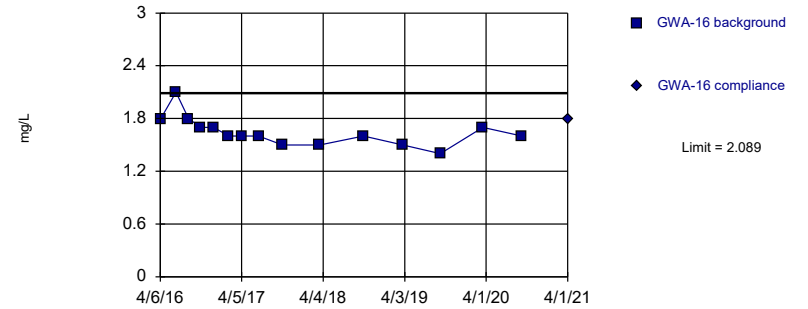


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

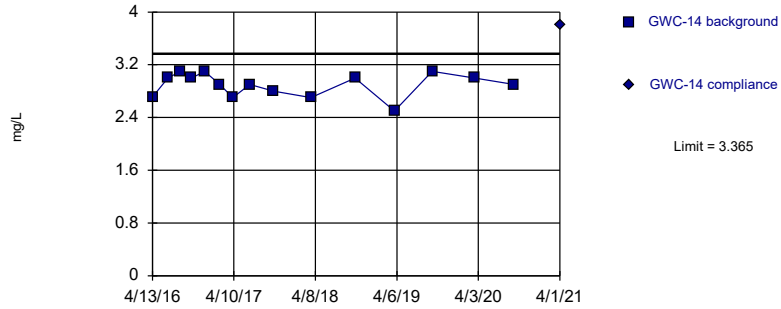
Within Limit

Prediction Limit
Intrawell Parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric

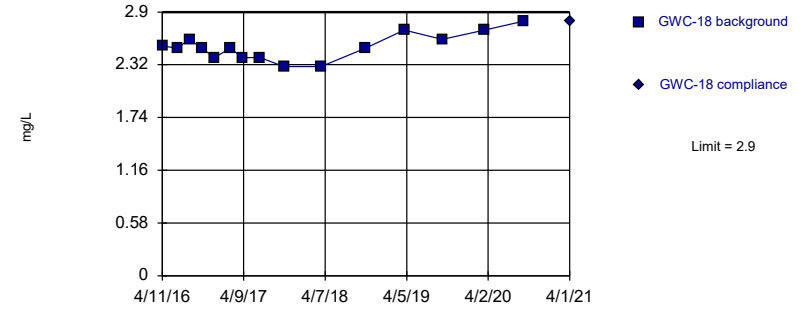


Background Data Summary: Mean=2.894, Std. Dev.=0.1784, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

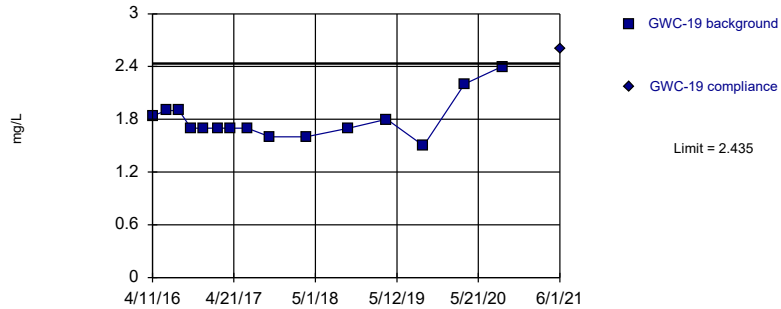


Background Data Summary: Mean=2.515, Std. Dev.=0.1457, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9512, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Chloride, Total Analysis Run 6/28/2021 10:15 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

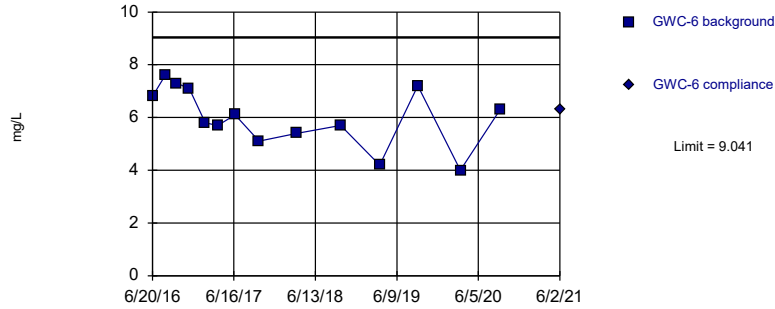
Exceeds Limit

Prediction Limit
Intrawell Parametric



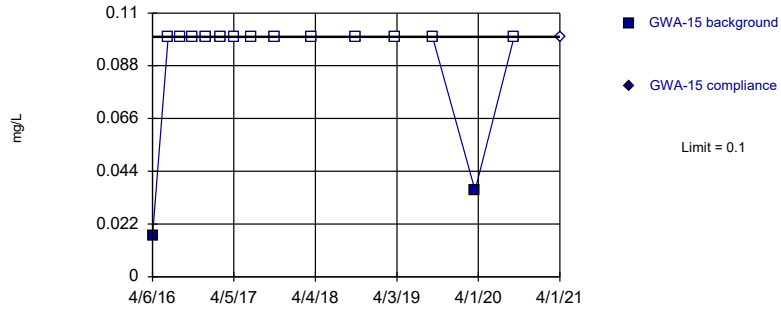
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

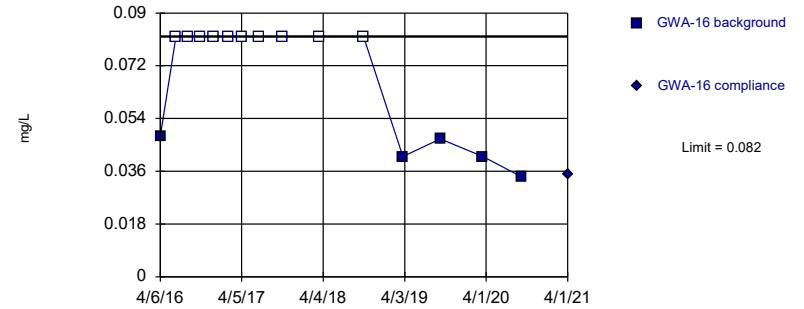


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

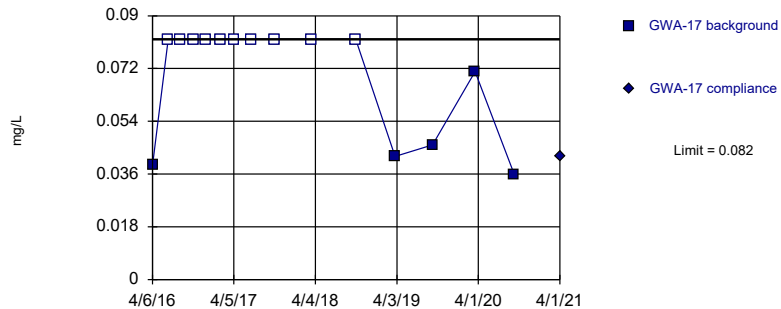


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

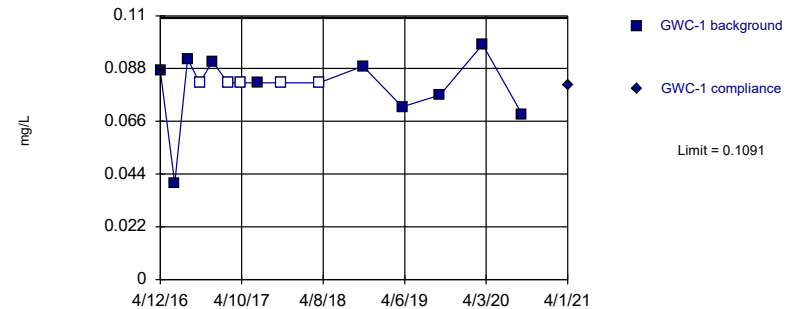


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

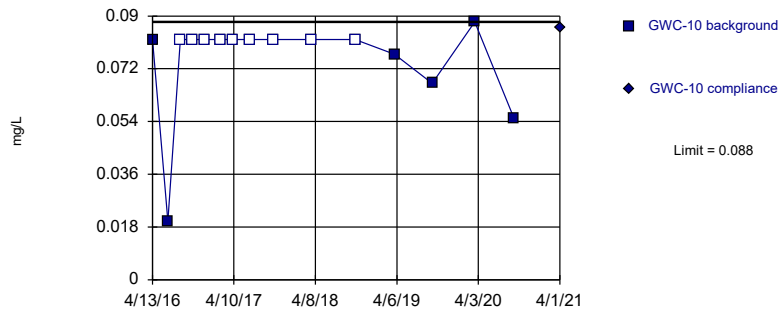


Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.006016, Std. Dev.=0.00223, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8926, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

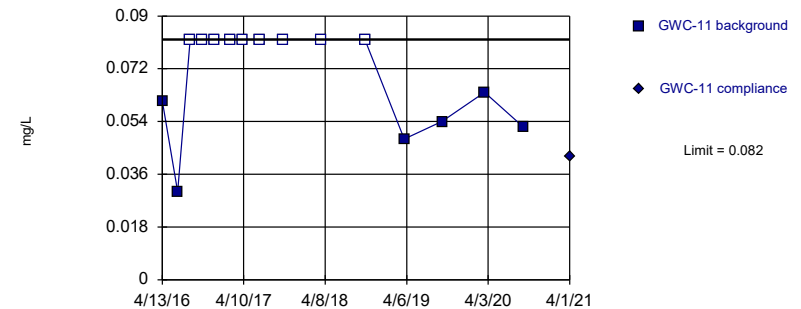


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

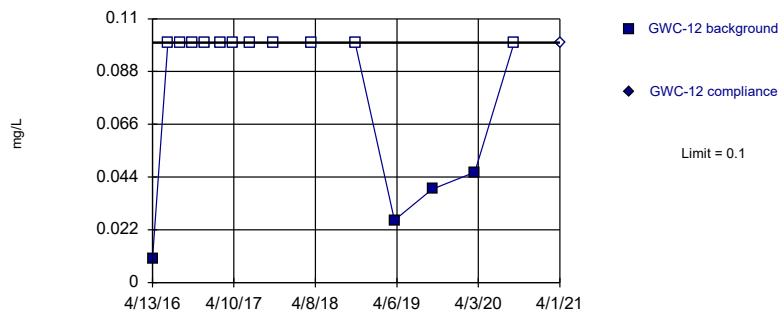


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

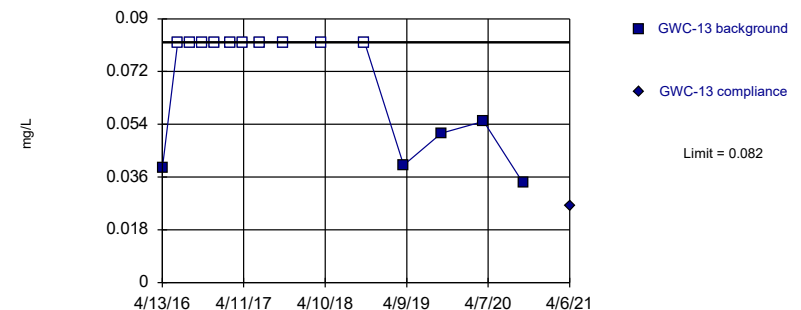


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

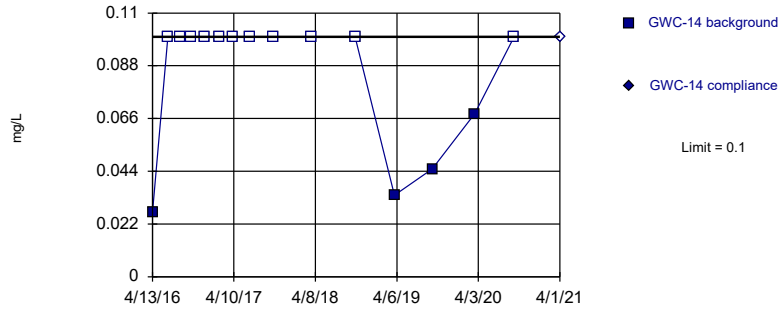


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

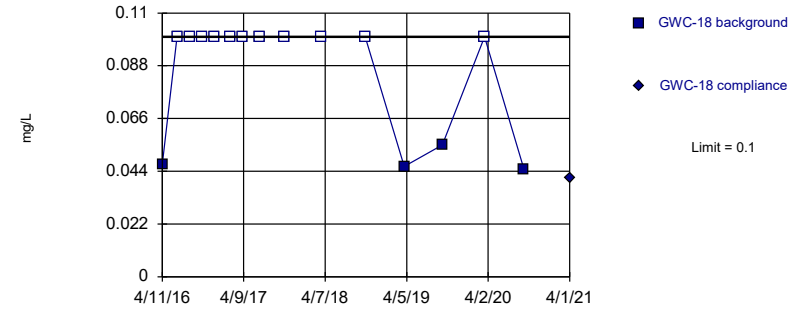


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

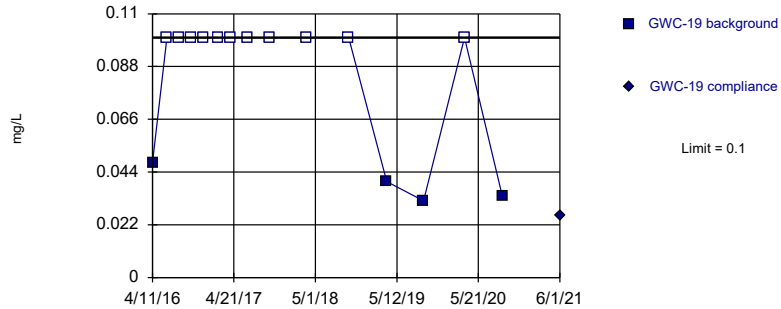


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

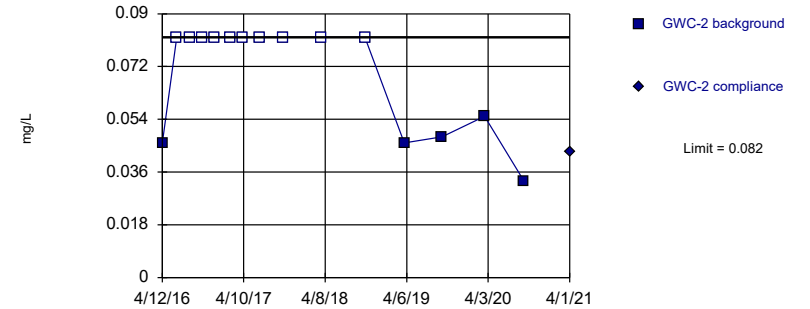


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

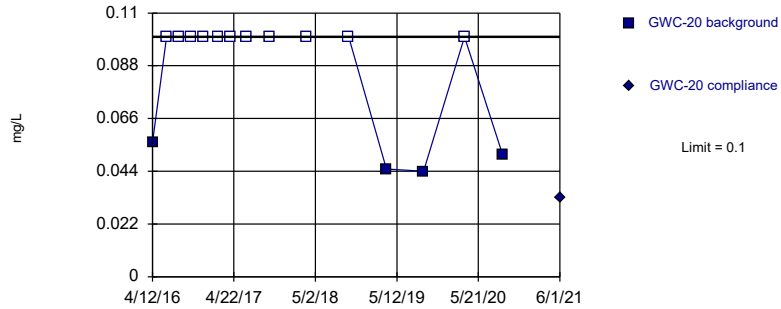


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

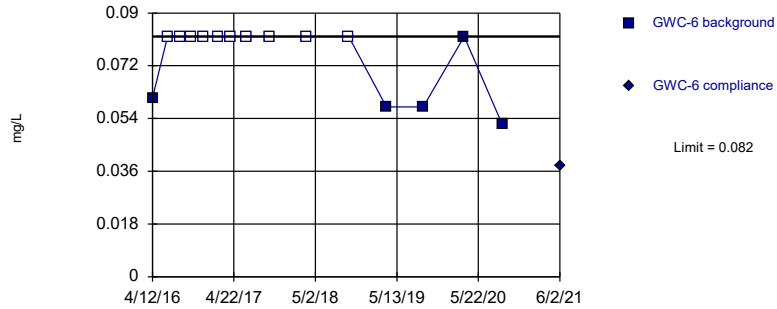
Within Limit

Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

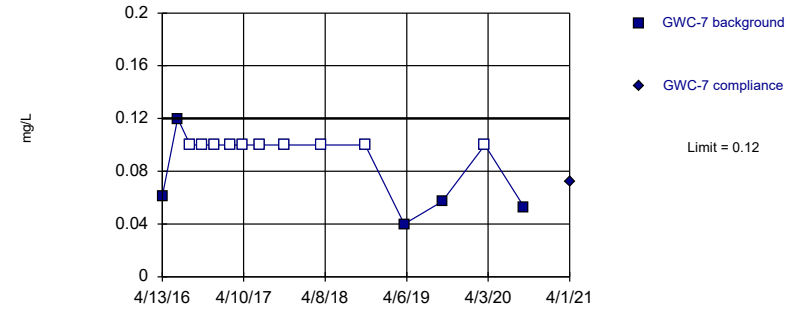


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

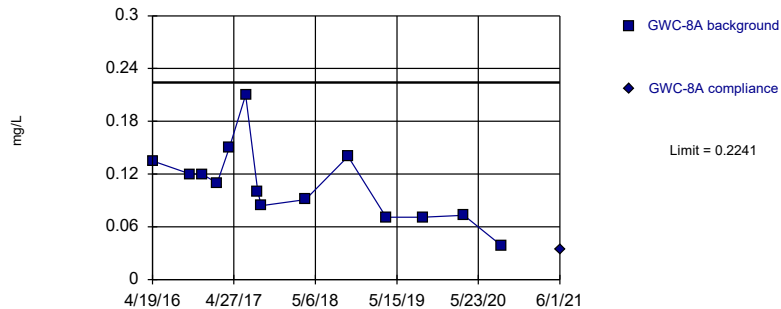


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

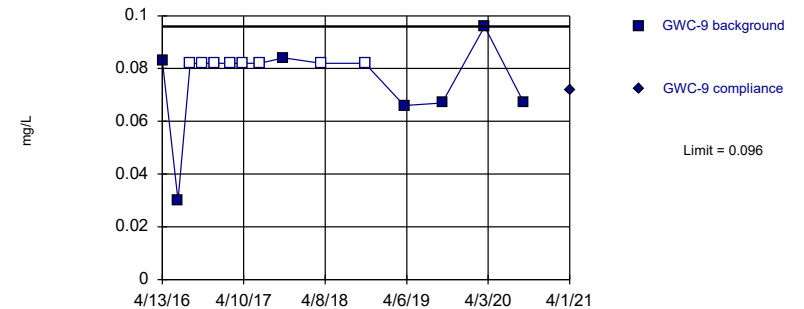


Background Data Summary: Mean=0.1081, Std. Dev.=0.04297, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.956, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Fluoride, total Analysis Run 6/28/2021 10:25 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

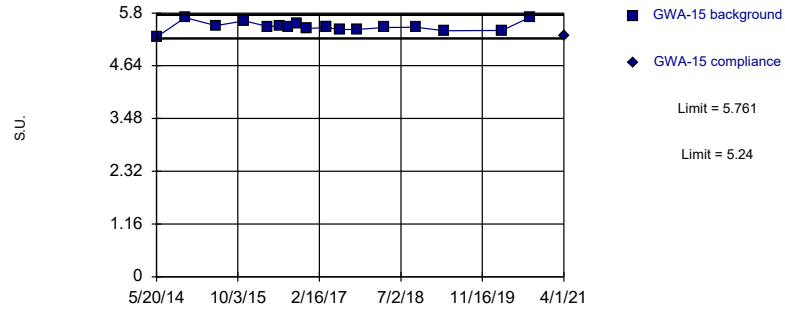


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 53.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

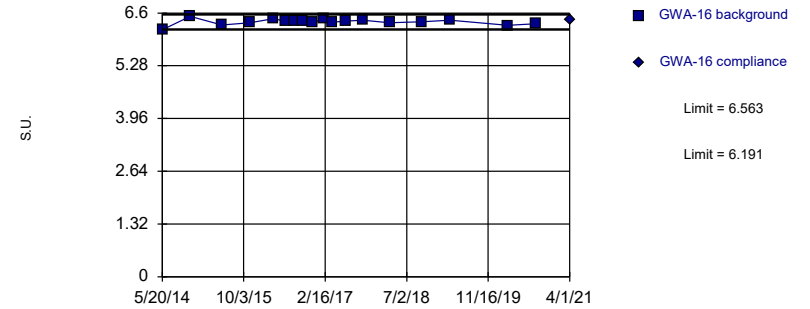


Background Data Summary: Mean=5.501, Std. Dev.=0.1037, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.919, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

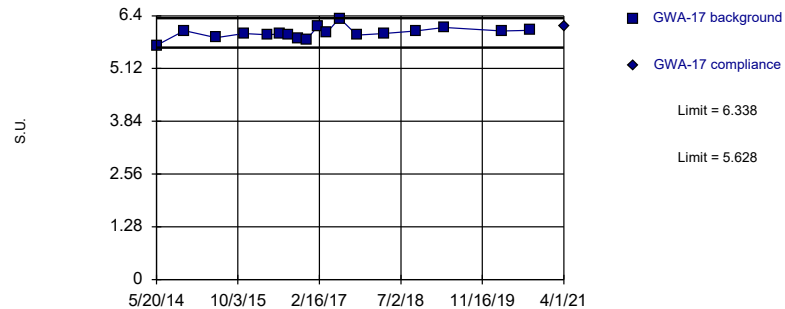


Background Data Summary: Mean=6.377, Std. Dev.=0.07404, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

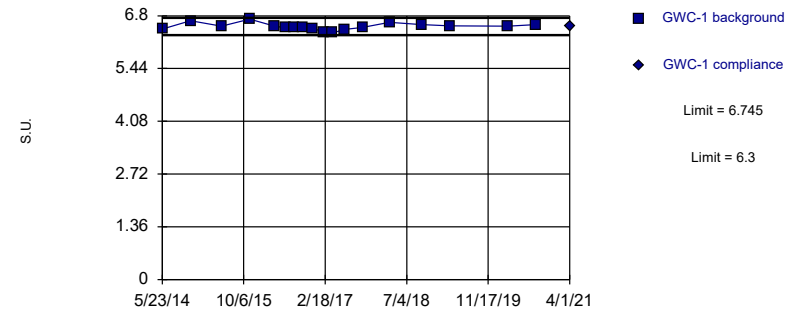


Background Data Summary: Mean=5.983, Std. Dev.=0.1415, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.957, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

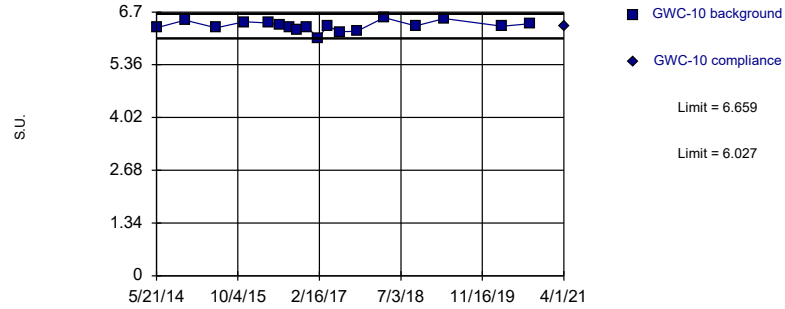


Background Data Summary: Mean=6.522, Std. Dev.=0.08869, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9604, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit Intrawell Parametric

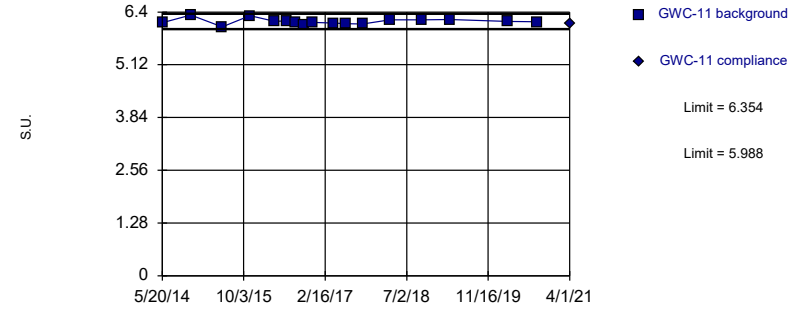


Background Data Summary: Mean=6.343, Std. Dev.=0.1259, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit Intrawell Parametric

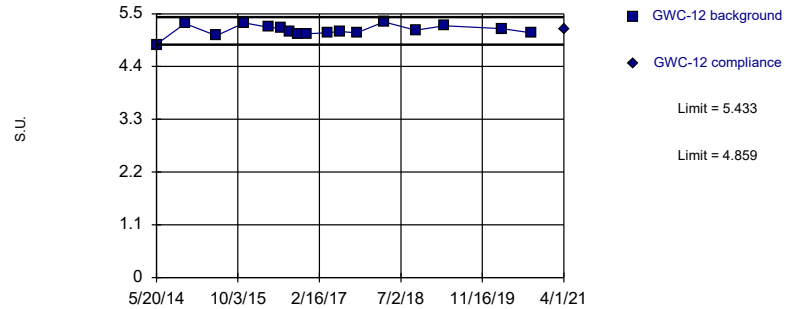


Background Data Summary: Mean=6.171, Std. Dev.=0.07184, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9396, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit Intrawell Parametric

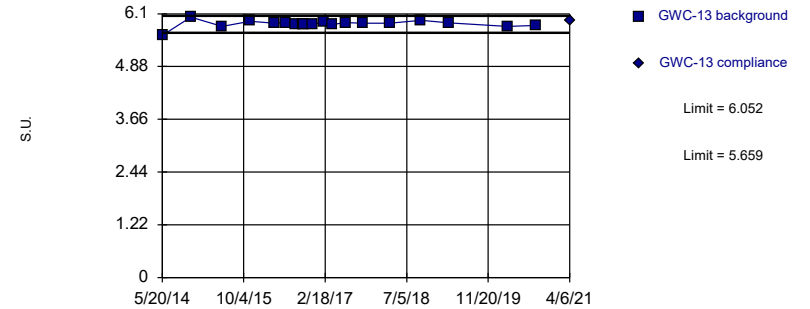


Background Data Summary: Mean=5.146, Std. Dev.=0.1143, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9429, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit Intrawell Parametric

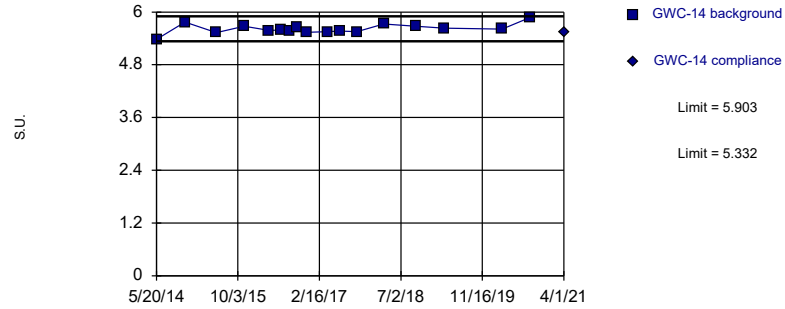


Background Data Summary (based on x*5 transformation): Mean=6960, Std. Dev.=466.8, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8633, critical = 0.863. Kappa = 2.478 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

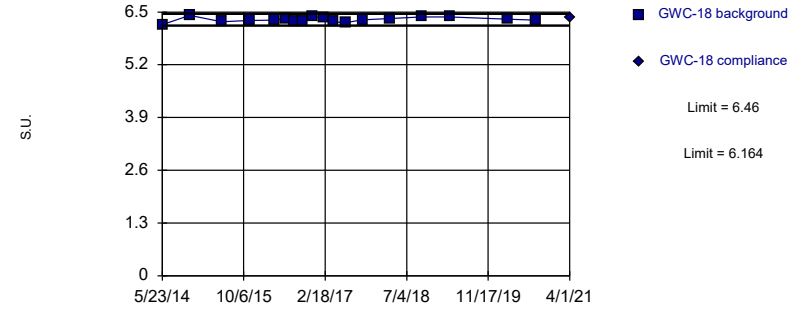


Background Data Summary: Mean=5.617, Std. Dev.=0.1122, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9492, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

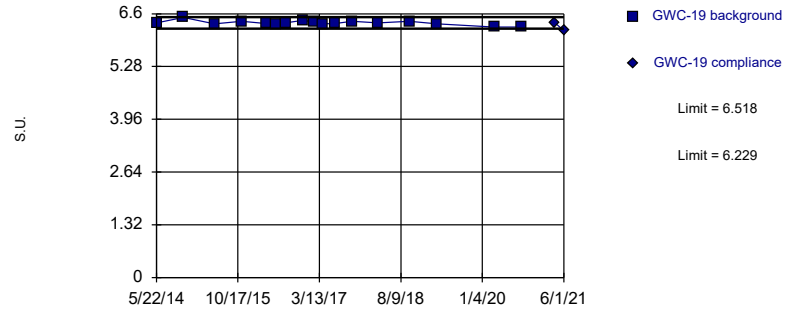


Background Data Summary: Mean=6.312, Std. Dev.=0.05897, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9854, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

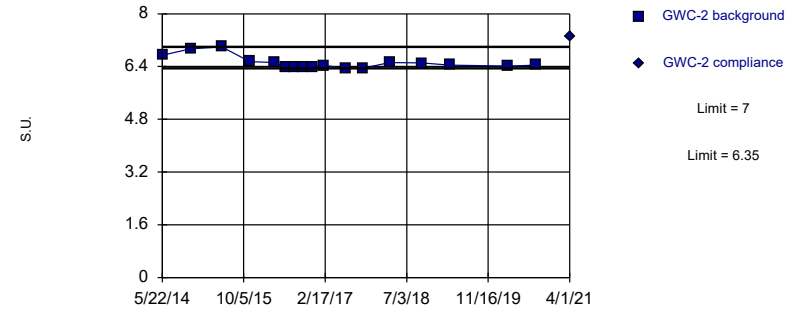


Background Data Summary: Mean=6.374, Std. Dev.=0.05689, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.851. Kappa = 2.543 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit
Intrawell Non-parametric

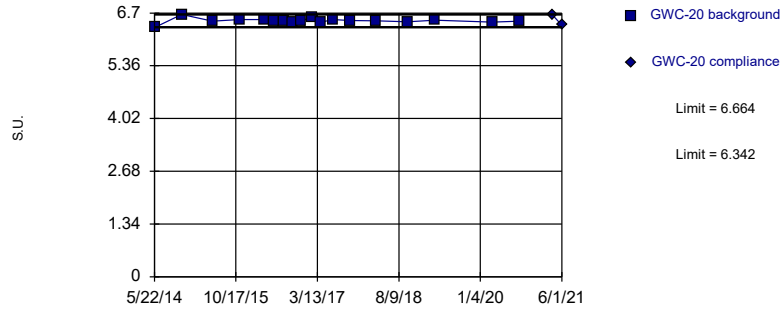


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

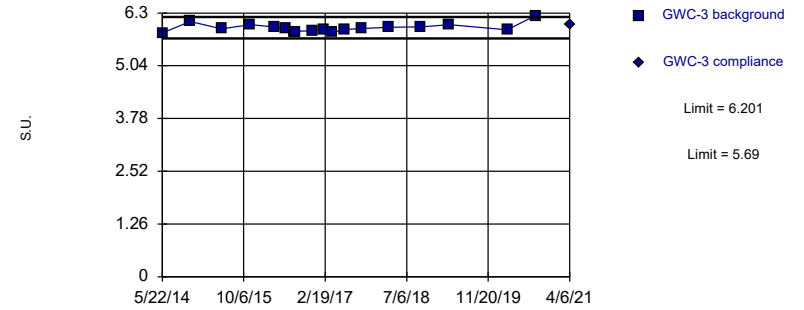


Background Data Summary: Mean=6.503, Std. Dev.=0.06408, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8614, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

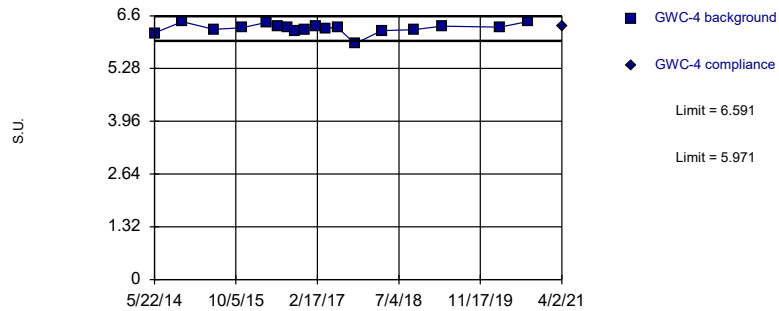


Background Data Summary: Mean=5.946, Std. Dev.=0.1019, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8758, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

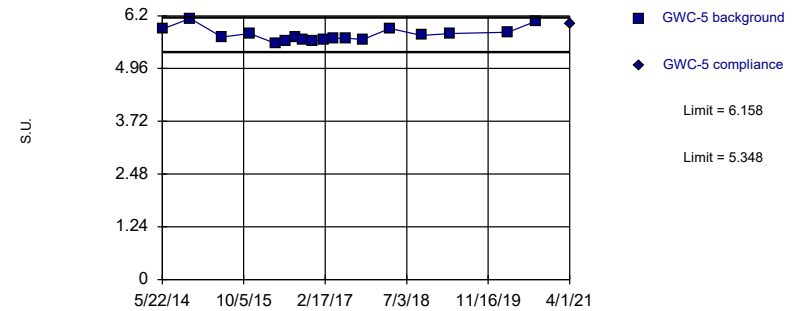


Background Data Summary (based on square transformation): Mean=39.54, Std. Dev.=1.551, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Parametric

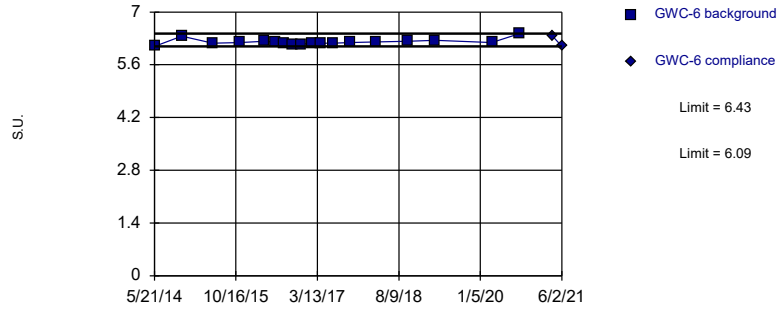


Background Data Summary: Mean=5.753, Std. Dev.=0.1613, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8787, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

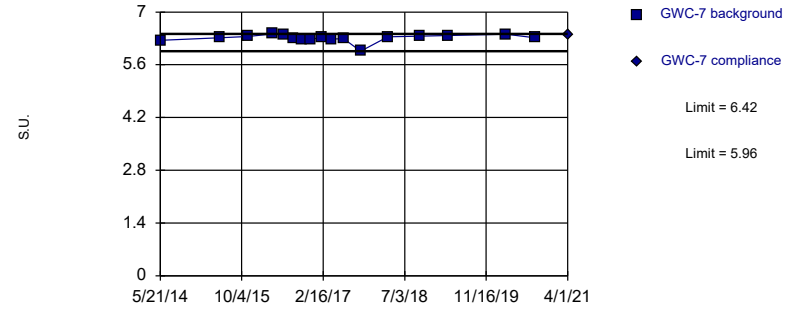


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

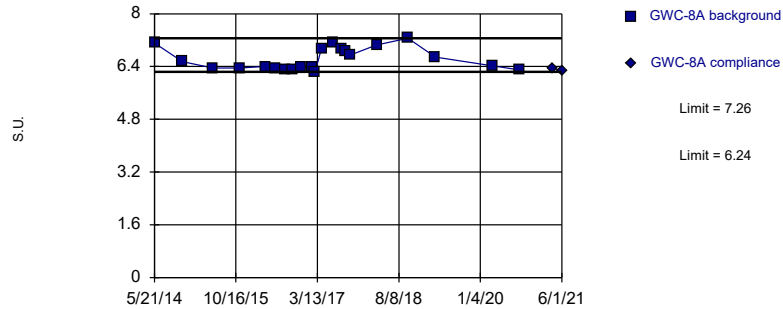


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

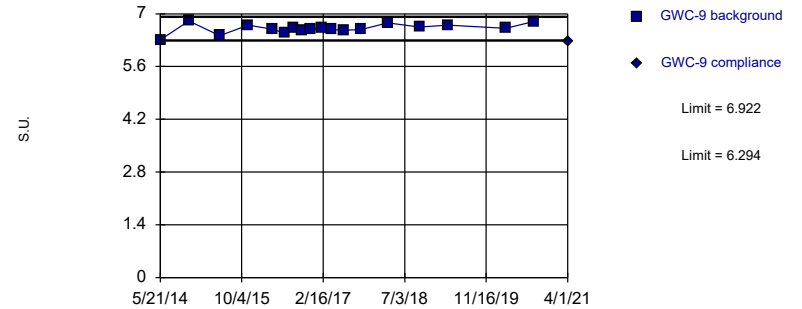


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

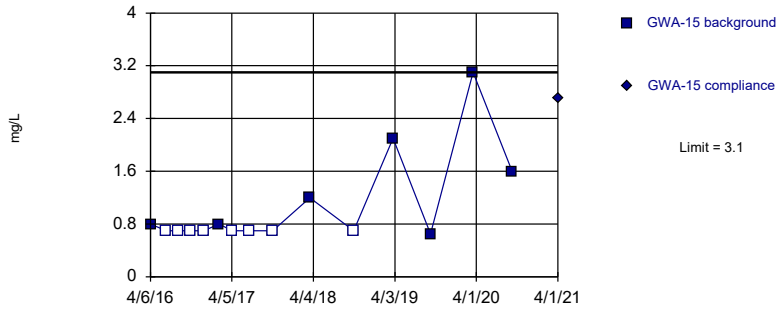


Background Data Summary: Mean=6.608, Std. Dev.=0.1251, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.858. Kappa = 2.511 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: pH, Field Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

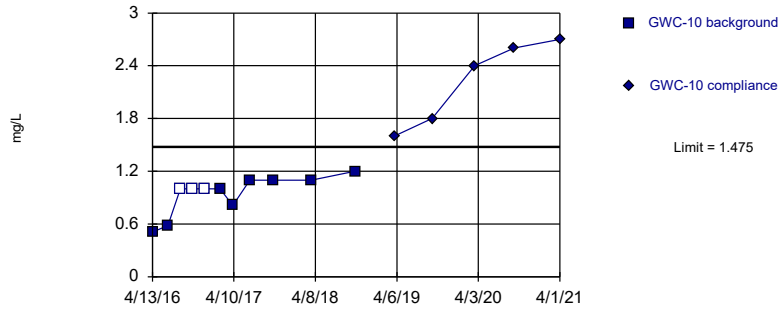
Within Limit

Prediction Limit
Intrawell Non-parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric

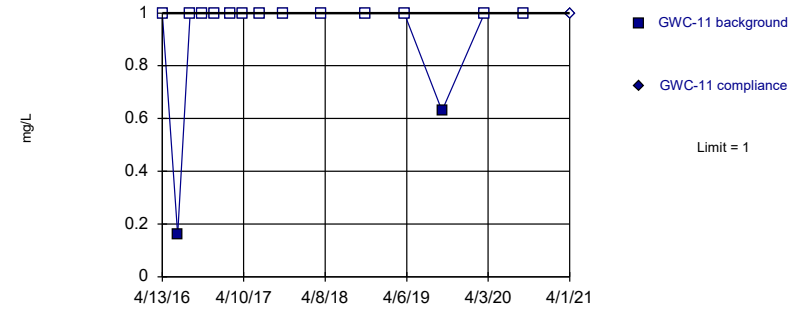


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7701, Std. Dev.=0.2398, n=11, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8327, critical = 0.792. Kappa = 2.941 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

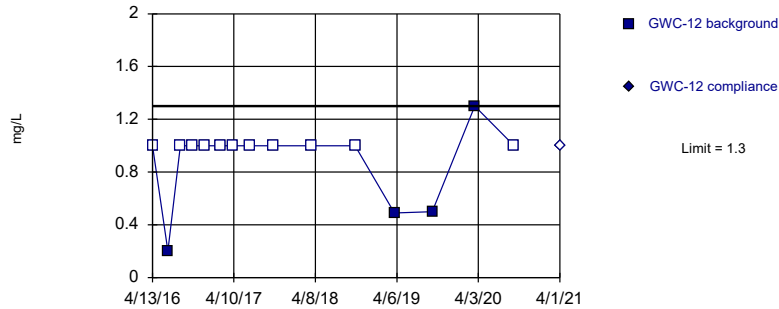


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

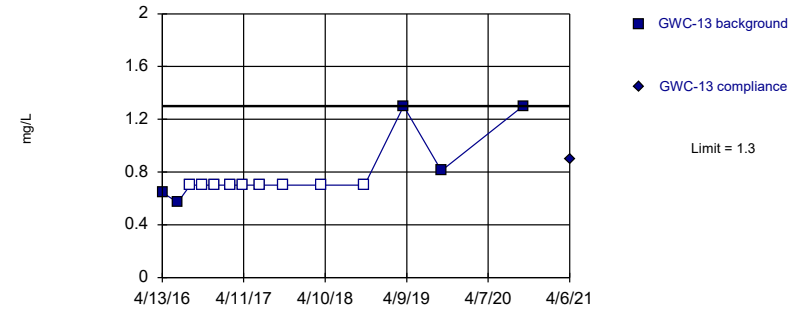


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

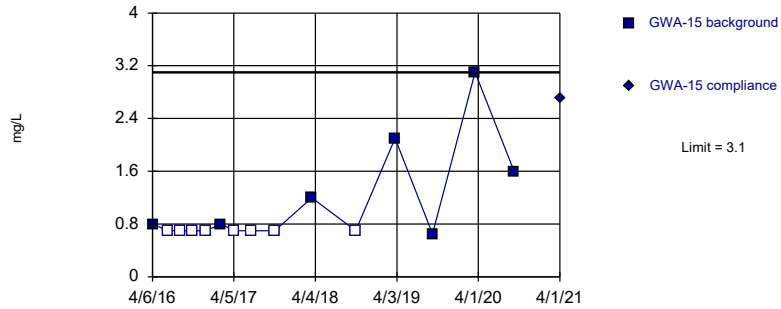


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:26 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

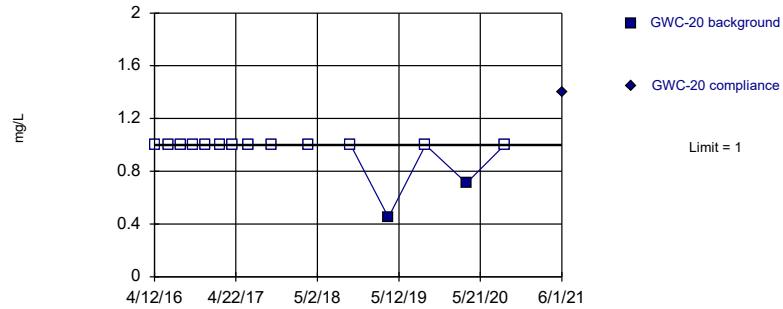
Within Limit

Prediction Limit
Intrawell Non-parametric



Exceeds Limit

Prediction Limit
Intrawell Non-parametric

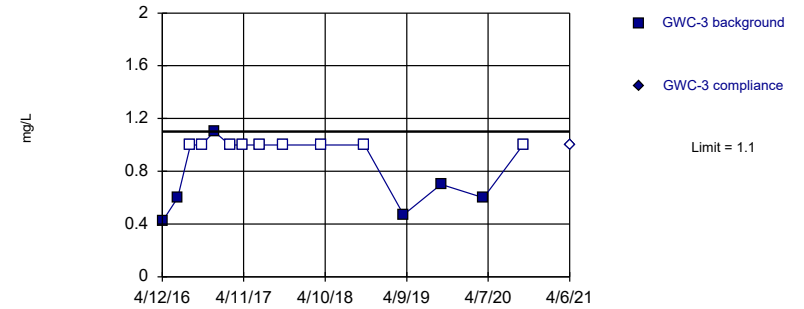


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:30 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

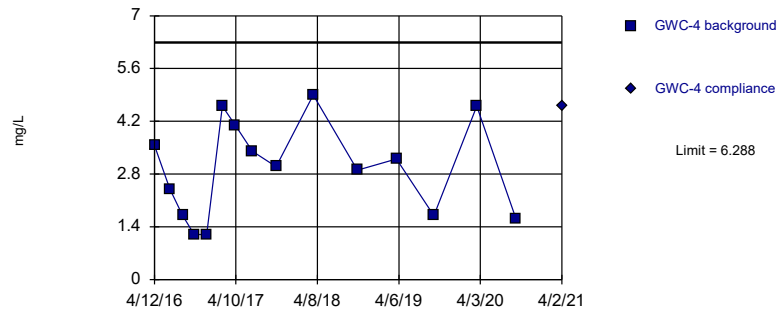


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:30 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

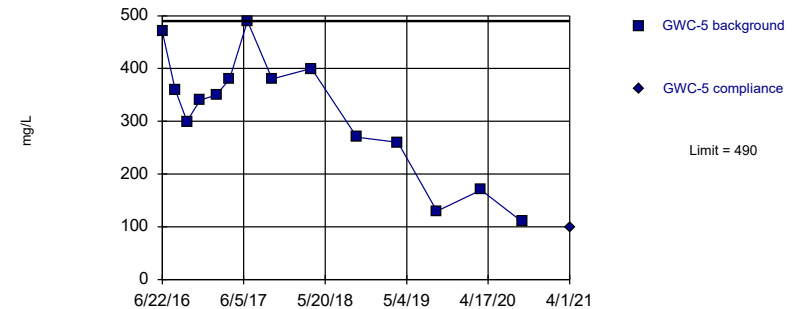


Background Data Summary: Mean=2.937, Std. Dev.=1.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:31 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

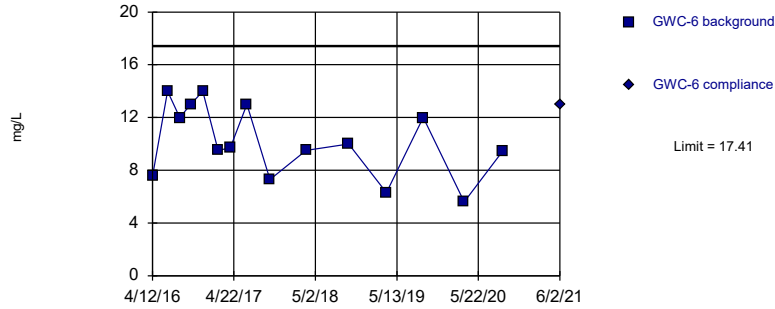


NP test selected by user. Limit is highest of 14 background values. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 6/28/2021 10:31 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

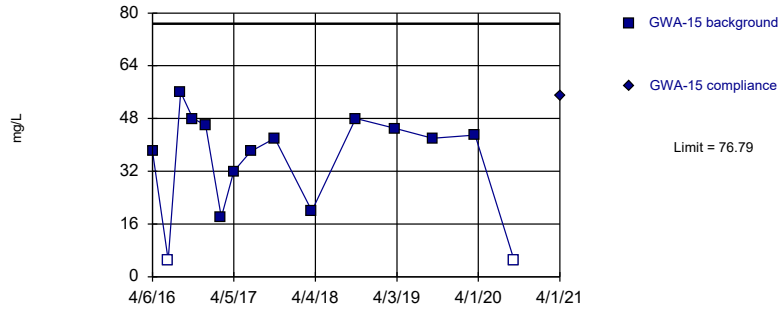
Within Limit

Prediction Limit
Intrawell Parametric



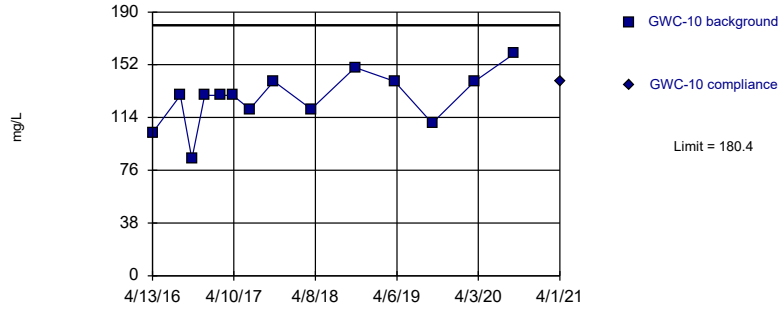
Within Limit

Prediction Limit
 Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

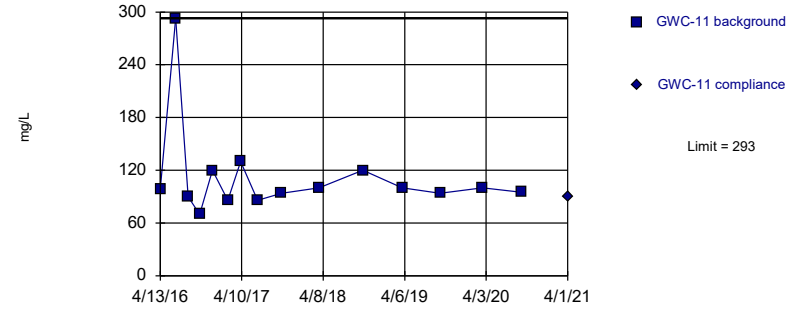


Background Data Summary: Mean=127.6, Std. Dev.=19.55, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9575, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

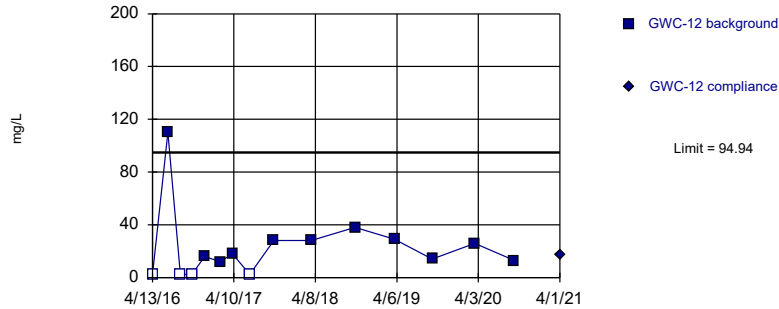


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

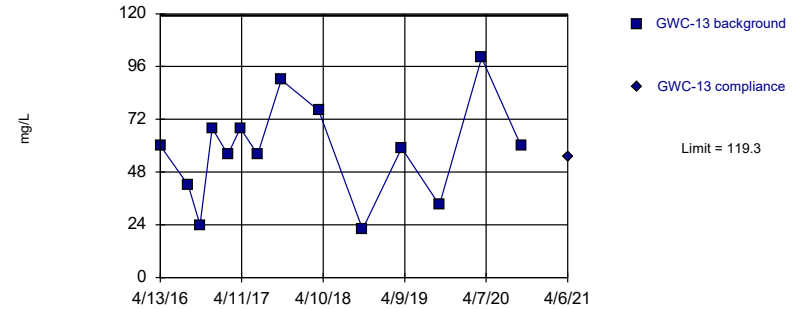


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.249, Std. Dev.=2.083, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8671, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

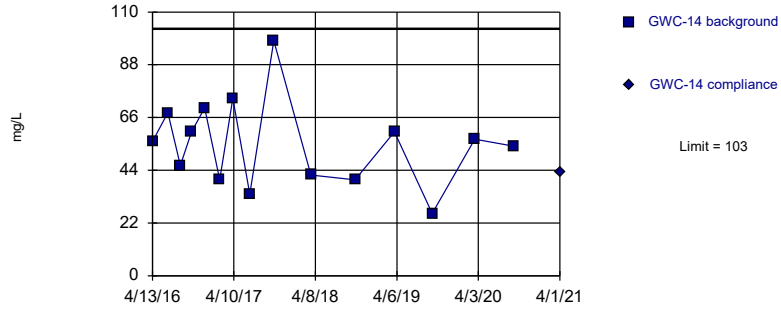


Background Data Summary: Mean=58.14, Std. Dev.=22.64, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.825. Kappa = 2.7 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

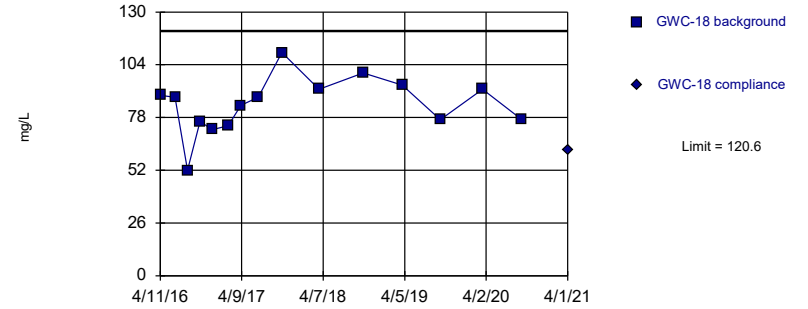


Background Data Summary: Mean=55, Std. Dev.=18.21, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

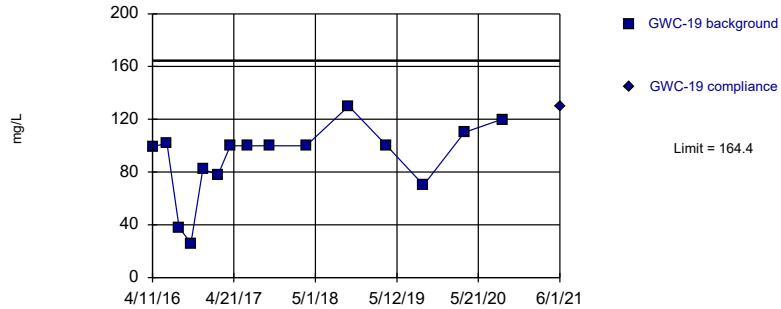


Background Data Summary: Mean=84.33, Std. Dev.=13.75, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9595, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

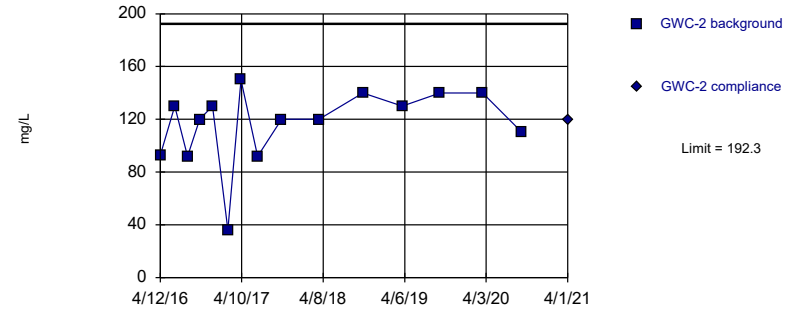


Background Data Summary: Mean=90.33, Std. Dev.=28.07, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8649, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

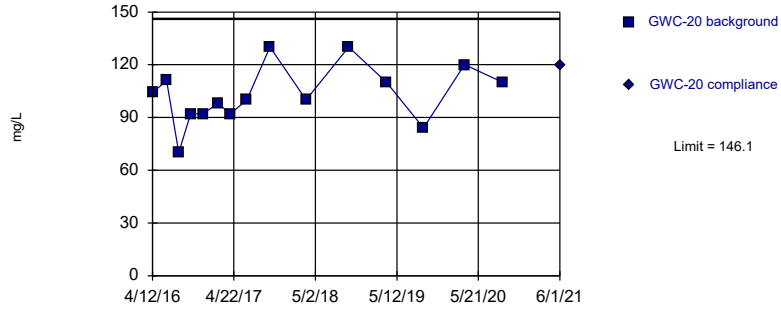


Background Data Summary: Mean=116.2, Std. Dev.=28.83, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8491, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

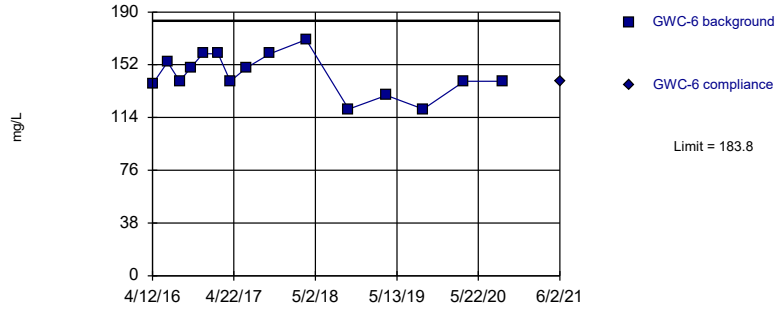
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

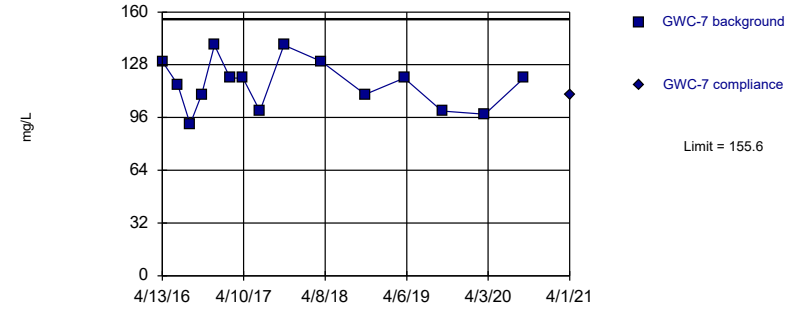


Background Data Summary: Mean=144.8, Std. Dev.=14.77, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

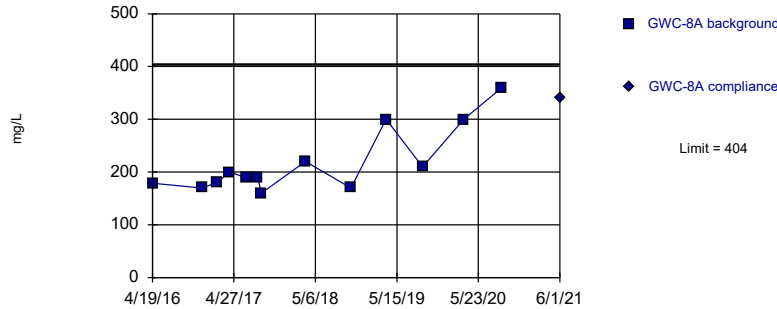


Background Data Summary: Mean=116.4, Std. Dev.=14.86, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9484, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric

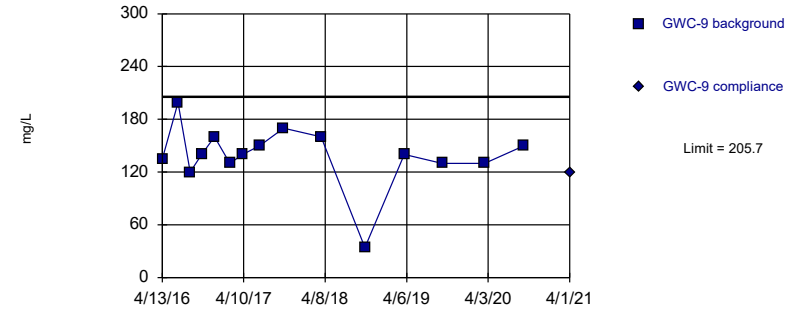


Background Data Summary (based on square root transformation): Mean=14.63, Std. Dev.=1.981, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8244, critical = 0.814. Kappa = 2.762 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=20532, Std. Dev.=8252, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.835. Kappa = 2.638 (c=7, w=17, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004426.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/28/2021 10:33 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<0.08	
6/15/2016	0.0028 (J)	
8/10/2016	<0.08	
10/5/2016	<0.08	
11/29/2016	<0.08	
2/7/2017	<0.08	
4/4/2017	<0.08	
6/20/2017	<0.08	
10/5/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		<0.08

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	<0.08	
6/16/2016	<0.08	
8/11/2016	<0.08	
10/4/2016	<0.08	
11/30/2016	<0.08	
2/7/2017	<0.08	
4/5/2017	<0.08	
6/20/2017	<0.08	
10/4/2017	<0.08	
3/20/2018	<0.08	
10/2/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/9/2020	<0.08	
4/1/2021		0.053 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	<0.08 (D)	
6/21/2016	<0.08	
8/15/2016	<0.08	
10/7/2016	<0.08	
12/1/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/22/2017	<0.08	
10/6/2017	<0.08	
3/22/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.056 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	<0.08 (D)	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/5/2016	<0.08	
11/30/2016	<0.08	
2/8/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/5/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/10/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		0.078 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	<0.1	
6/22/2016	0.238	
8/16/2016	0.39	
10/6/2016	0.34	
12/1/2016	0.37	
2/9/2017	0.38	
4/6/2017	0.4	
6/21/2017	0.39	
10/5/2017	0.47	
3/22/2018	0.48	
10/3/2018	0.47	
3/27/2019	0.33	
9/11/2019	0.31	
3/18/2020	0.26	
9/9/2020	0.24	
4/1/2021		0.23

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	<0.08	
6/20/2016	<0.08	
8/12/2016	<0.08	
10/6/2016	<0.08	
11/30/2016	<0.08	
2/9/2017	<0.08	
4/6/2017	<0.08	
6/21/2017	<0.08	
10/6/2017	<0.08	
3/21/2018	<0.08	
10/3/2018	<0.08	
3/26/2019	<0.08	
9/11/2019	<0.08	
3/18/2020	<0.08	
9/10/2020	<0.08	
4/5/2021		0.042 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.145	
10/10/2016	0.12	
12/1/2016	0.12	
2/9/2017	0.13	
4/7/2017	0.21	
6/21/2017	0.23	
8/15/2017	0.27	
9/1/2017	0.24	
3/22/2018	0.25	
10/4/2018	0.21	
3/27/2019	0.16	
9/11/2019	0.21	
3/18/2020	0.16	
9/9/2020	0.13	
4/5/2021		0.18

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	0.0774 (JD)	
6/22/2016	0.0663 (J)	
8/15/2016	0.093	
10/6/2016	0.096	
12/1/2016	0.12	
2/8/2017	0.094	
4/6/2017	0.11	
6/21/2017	0.1	
10/5/2017	0.083	
3/21/2018	0.089	
10/2/2018	0.083	
3/27/2019	0.067	
9/11/2019	0.083	
3/18/2020	0.058 (J)	
9/9/2020	0.088	
4/1/2021		0.059 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	3.62	
6/15/2016	4.5	
8/10/2016	3.8	
10/4/2016	5.3	
11/30/2016	4.7	
2/7/2017	3.8	
4/4/2017	3.8	
6/20/2017	4.1	
10/4/2017	4.6	
3/20/2018	4.2 (D)	
10/2/2018	4.2	
3/26/2019	4	
9/10/2019	4.8	
3/18/2020	3.8	
9/9/2020	4	
4/1/2021		4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	12.1	
6/15/2016	11.8	
8/10/2016	10	
10/4/2016	14	
11/29/2016	10	
2/7/2017	12	
4/4/2017	11	
6/20/2017	11	
10/5/2017	13	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/10/2019	12	
3/18/2020	12	
9/9/2020	11	
4/1/2021		12

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	6.58	
6/15/2016	6.9	
8/10/2016	5.5	
10/5/2016	6.8	
11/29/2016	4.8	
2/7/2017	7.8	
4/4/2017	6.4	
6/20/2017	7	
10/5/2017	6.6	
3/20/2018	6.6	
10/2/2018	5.8	
3/26/2019	6.7	
9/10/2019	7.5	
3/18/2020	7.3	
9/9/2020	7.3	
4/1/2021		7.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	17.1	
6/16/2016	19.8	
8/11/2016	15	
10/4/2016	17	
11/30/2016	16	
2/7/2017	17	
4/5/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	16	
9/10/2019	17	
3/18/2020	19	
9/9/2020	17	
4/1/2021		18

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	15.6 (D)	
6/21/2016	14.4	
8/15/2016	14	
10/5/2016	17	
12/1/2016	15	
2/8/2017	17	
4/6/2017	16	
6/21/2017	16 (D)	
10/5/2017	19	
3/21/2018	17	
10/2/2018	17	
3/27/2019	16	
9/11/2019	18	
3/18/2020	20	
9/9/2020	20	
4/1/2021		19

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	12.8 (D)	
6/21/2016	11.6	
8/15/2016	11	
10/5/2016	14	
12/1/2016	12	
2/8/2017	13	
4/6/2017	12	
6/20/2017	13	
10/5/2017	14	
3/21/2018	13	
10/2/2018	12	
3/27/2019	12	
9/11/2019	13	
3/18/2020	14	
9/10/2020	13	
4/1/2021		13

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	1.18 (D)	
6/21/2016	1.12	
8/15/2016	0.95	
10/5/2016	1	
12/1/2016	0.92	
2/8/2017	1.2	
4/5/2017	1.1	
6/20/2017	0.96	
10/5/2017	1.1	
3/21/2018	1.3 (D)	
10/2/2018	0.86	
3/26/2019	1.1	
9/11/2019	0.94	
3/18/2020	1.6	
9/10/2020	1.1	
4/1/2021		1.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	5.71 (D)	
6/21/2016	5.54	
8/15/2016	5.8	
10/7/2016	6.1	
12/1/2016	5.8	
2/9/2017	6.3	
4/6/2017	5.8	
6/22/2017	6.4 (D)	
10/6/2017	7.4	
3/22/2018	6.8	
10/3/2018	6.4	
3/26/2019	6.3	
9/11/2019	7	
3/18/2020	9.3	
9/10/2020	6.7	
4/6/2021		7.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	6.55 (D)	
6/21/2016	6.04	
8/15/2016	5.9	
10/4/2016	6.6	
12/1/2016	5.4	
2/7/2017	6.1	
4/6/2017	6.1	
6/20/2017	6.6	
10/5/2017	7.2	
3/20/2018	6.6	
10/2/2018	6.5	
3/26/2019	6.4	
9/11/2019	7.3	
3/18/2020	6.9	
9/9/2020	6.5	
4/1/2021		6.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	10.5	
6/16/2016	11.6	
8/11/2016	10	
10/5/2016	11	
11/29/2016	9.6	
2/8/2017	10	
4/6/2017	9.7	
6/21/2017	9.7 (D)	
10/5/2017	11	
3/20/2018	11	
10/2/2018	9.6	
3/26/2019	9.6	
9/11/2019	10	
3/18/2020	11	
9/9/2020	10	
4/1/2021		11

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	10.4	
6/16/2016	12.2	
8/11/2016	9.5	
10/5/2016	11	
11/29/2016	9.8	
2/8/2017	10	
4/5/2017	10	
6/21/2017	10 (D)	
10/5/2017	12	
3/20/2018	12	
10/2/2018	11	
3/26/2019	11	
9/12/2019	14	
3/19/2020	14	
9/9/2020	15	
4/5/2021		15

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	17	
6/16/2016	19.7	
8/11/2016	15	
10/4/2016	18	
11/30/2016	16	
2/7/2017	18	
4/6/2017	16	
6/20/2017	17	
10/4/2017	19	
3/20/2018	18	
10/2/2018	16	
3/26/2019	17	
9/10/2019	18	
3/18/2020	18	
9/9/2020	17	
4/1/2021		17

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	13.5	
6/16/2016	15	
8/11/2016	12	
10/5/2016	14	
11/30/2016	12	
2/8/2017	14	
4/6/2017	13	
6/21/2017	13 (D)	
10/5/2017	15	
3/21/2018	14	
10/3/2018	13	
3/26/2019	12	
9/12/2019	14	
3/19/2020	14	
9/10/2020	13	
4/5/2021		14

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	8.52 (D)	
6/20/2016	7.7	
8/12/2016	7.3	
10/5/2016	8.4	
11/30/2016	8	
2/8/2017	9.3	
4/6/2017	8.1	
6/21/2017	9.2 (D)	
10/5/2017	10	
3/21/2018	9.3	
10/3/2018	7.5	
3/26/2019	7.3	
9/10/2019	6.6	
3/18/2020	5.9	
9/10/2020	6.3	
4/6/2021		7.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	11	
6/20/2016	10.1	
8/12/2016	9.9	
10/6/2016	12	
11/30/2016	11	
2/8/2017	13	
4/6/2017	12	
6/22/2017	13 (D)	
10/6/2017	15	
3/21/2018	15	
10/3/2018	13	
3/26/2019	13	
9/10/2019	12	
3/19/2020	14	
9/10/2020	13	
4/2/2021		15

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	198	
6/22/2016	132	
8/16/2016	94	
10/6/2016	100	
12/1/2016	100	
2/9/2017	120	
4/6/2017	140	
6/21/2017	160 (D)	
10/5/2017	130	
3/22/2018	130	
10/3/2018	88	
3/27/2019	75	
9/11/2019	46	
3/18/2020	61	
9/9/2020	35	
4/1/2021		40

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	17.8	
6/20/2016	19.5	
8/12/2016	17	
10/6/2016	19	
11/30/2016	19	
2/9/2017	18	
4/6/2017	18	
6/21/2017	19 (D)	
10/6/2017	19	
3/21/2018	19	
10/3/2018	16	
3/26/2019	16	
9/11/2019	19	
3/18/2020	15	
9/10/2020	16	
4/5/2021		16

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	14 (D)	
6/20/2016	13.8	
8/15/2016	13	
10/6/2016	14	
12/1/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14 (D)	
10/6/2017	16	
3/22/2018	15	
10/4/2018	13	
3/27/2019	14	
9/11/2019	14	
3/19/2020	15	
9/10/2020	15	
4/1/2021		15

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	20	
10/10/2016	19	
12/1/2016	18	
2/9/2017	20	
4/7/2017	27	
6/21/2017	27 (D)	
8/15/2017	29	
9/1/2017	32	
3/22/2018	30	
10/4/2018	37	
3/27/2019		47
9/11/2019		37
3/18/2020		53
9/9/2020		64
4/5/2021		52

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	18 (D)	
6/22/2016	16.7	
8/15/2016	16	
10/6/2016	17	
12/1/2016	17	
2/8/2017	18	
4/6/2017	17	
6/21/2017	17 (D)	
10/5/2017	19	
3/21/2018	19	
10/2/2018	16	
3/27/2019	16	
9/11/2019	17	
3/18/2020	16	
9/9/2020	16	
4/1/2021		16

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	5.342	
6/15/2016	5.2	
8/10/2016	5.5	
10/4/2016	5.4	
11/30/2016	5.4	
2/7/2017	5.1	
4/4/2017	5.1	
6/20/2017	5.2	
10/4/2017	5.2	
3/20/2018	5.6 (D)	
10/2/2018	6.3	
3/26/2019	5.5	
9/10/2019	5.2	
3/18/2020	5.4	
9/9/2020	6.1	
4/1/2021		7

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	1.789	
6/15/2016	2.1	
8/10/2016	1.8	
10/4/2016	1.7	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.6	
6/20/2017	1.6	
10/5/2017	1.5	
3/20/2018	1.5	
10/2/2018	1.6	
3/26/2019	1.5	
9/10/2019	1.4	
3/18/2020	1.7	
9/9/2020	1.6	
4/1/2021		1.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	1.69	
6/15/2016	1.9	
8/10/2016	1.7	
10/5/2016	1.6	
11/29/2016	1.7	
2/7/2017	1.6	
4/4/2017	1.5	
6/20/2017	1.5	
10/5/2017	1.5	
3/20/2018	1.4	
10/2/2018	1.5	
3/26/2019	1.3	
9/10/2019	1.3	
3/18/2020	2	
9/9/2020	1.3	
4/1/2021		1.5

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	4.32	
6/16/2016	3.8	
8/11/2016	4	
10/4/2016	3.6	
11/30/2016	3.8	
2/7/2017	4.3	
4/5/2017	4.1	
6/20/2017	3.9	
10/4/2017	3.6	
3/20/2018	3.9	
10/2/2018	3.7	
3/26/2019	3.6	
9/10/2019	2.9	
3/18/2020	4.2	
9/9/2020	3.9	
4/1/2021		4.2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	2.04 (D)	
6/21/2016	2.2	
8/15/2016	2.2	
10/5/2016	2.1	
12/1/2016	2.1	
2/8/2017	2.3	
4/6/2017	2.2	
6/21/2017	2.3	
10/5/2017	2.3	
3/21/2018	2.3	
10/2/2018	2.6	
3/27/2019	2.4	
9/11/2019	2.9	
3/18/2020	4.1	
9/9/2020	4.3	
4/1/2021		4.4

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	1.78 (D)	
6/21/2016	2	
8/15/2016	1.9	
10/5/2016	1.8	
12/1/2016	1.8	
2/8/2017	1.8	
4/6/2017	1.7	
6/20/2017	1.7	
10/5/2017	1.7	
3/21/2018	1.6	
10/2/2018	1.7	
3/27/2019	1.5	
9/11/2019	1.8	
3/18/2020	1.9	
9/10/2020	1.9	
4/1/2021		1.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	1.8 (D)	
6/21/2016	2	
8/15/2016	1.8	
10/5/2016	1.7	
12/1/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/20/2017	1.6	
10/5/2017	1.6	
3/21/2018	1.6 (D)	
10/2/2018	1.6	
3/26/2019	1.7	
9/11/2019	1.9	
3/18/2020	2.1	
9/10/2020	1.8	
4/1/2021		2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	1.82 (D)	
6/21/2016	1.9	
8/15/2016	1.6	
10/7/2016	1.5	
12/1/2016	1.4	
2/9/2017	1.5	
4/6/2017	1.4	
6/22/2017	1.5	
10/6/2017	1.3	
3/22/2018	1.4	
10/3/2018	1.5	
3/26/2019	1.6	
9/11/2019	1.5	
3/18/2020	1.6	
9/10/2020	1.7	
4/6/2021		1.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	2.71 (D)	
6/21/2016	3	
8/15/2016	3.1	
10/4/2016	3	
12/1/2016	3.1	
2/7/2017	2.9	
4/6/2017	2.7	
6/20/2017	2.9	
10/5/2017	2.8	
3/20/2018	2.7	
10/2/2018	3	
3/26/2019	2.5	
9/11/2019	3.1	
3/18/2020	3	
9/9/2020	2.9	
4/1/2021		3.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	2.53	
6/16/2016	2.5	
8/11/2016	2.6	
10/5/2016	2.5	
11/29/2016	2.4	
2/8/2017	2.5	
4/6/2017	2.4	
6/21/2017	2.4	
10/5/2017	2.3	
3/20/2018	2.3	
10/2/2018	2.5	
3/26/2019	2.7	
9/11/2019	2.6	
3/18/2020	2.7	
9/9/2020	2.8	
4/1/2021		2.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	1.84	
6/16/2016	1.9	
8/11/2016	1.9	
10/5/2016	1.7	
11/29/2016	1.7	
2/8/2017	1.7	
4/5/2017	1.7	
6/21/2017	1.7	
10/5/2017	1.6	
3/20/2018	1.6	
10/2/2018	1.7	
3/26/2019	1.8	
9/12/2019	1.5	
3/19/2020	2.2	
9/9/2020	2.4	
6/1/2021		2.6

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	2.34	
6/16/2016	2.4	
8/11/2016	2.4	
10/4/2016	2.2	
11/30/2016	2.2	
2/7/2017	2.1	
4/6/2017	2.1	
6/20/2017	2.1	
10/4/2017	2	
3/20/2018	2	
10/2/2018	2	
3/26/2019	1.9	
9/10/2019	1.7	
3/18/2020	2.4	
9/9/2020	2	
4/1/2021		2.5

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	2.03	
6/16/2016	2.2	
8/11/2016	2.1	
10/5/2016	1.9	
11/30/2016	2	
2/8/2017	2	
4/6/2017	<1	
6/21/2017	1.9	
10/5/2017	1.9	
3/21/2018	1.8	
10/3/2018	2	
3/26/2019	1.9	
9/12/2019	1.6	
3/19/2020	2.2	
9/10/2020	2.1	
6/1/2021		2.1

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	3.04 (D)	
6/20/2016	3.1	
8/16/2016	3.2	
10/5/2016	3.2	
11/30/2016	3.3	
2/8/2017	3.5	
4/6/2017	3.4	
6/21/2017	3.5	
10/5/2017	3.5	
3/21/2018	3.4	
10/3/2018	3.5	
3/26/2019	3	
9/10/2019	2.5	
3/18/2020	2.8	
9/10/2020	2.7	
4/6/2021		2.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	4.57	
6/20/2016	3.1	
8/16/2016	3.2	
10/6/2016	3.4	
11/30/2016	4.1	
2/8/2017	7.2	
4/6/2017	7.4	
6/22/2017	7.8	
10/6/2017	9.1	
3/21/2018	13	
10/3/2018	13	
3/26/2019	9.2	
9/10/2019	5.1	
3/19/2020	8.7	
9/10/2020	9.7	
4/2/2021		11

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	124 (o)	
6/22/2016	81	
8/16/2016	71	
10/6/2016	68	
12/1/2016	74	
2/9/2017	76	
4/6/2017	92	
6/21/2017	100	
10/5/2017	67	
3/22/2018	74	
10/3/2018	46	
3/27/2019	42	
9/11/2019	19	
3/18/2020	30	
9/9/2020	8.7	
4/1/2021		18

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
6/20/2016	6.8	
8/16/2016	7.6	
10/6/2016	7.3	
11/30/2016	7.1	
2/9/2017	5.8	
4/6/2017	5.7	
6/21/2017	6.1	
10/6/2017	5.1	
3/21/2018	5.4	
10/3/2018	5.7	
3/26/2019	4.2	
9/11/2019	7.2	
3/18/2020	4	
9/10/2020	6.3	
6/2/2021		6.3

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	1.68 (D)	
6/20/2016	2	
8/15/2016	1.8	
10/6/2016	1.7	
12/1/2016	1.7	
2/9/2017	1.7	
4/7/2017	1.7	
6/22/2017	1.6	
10/6/2017	1.6	
3/22/2018	1.6	
10/4/2018	1.7	
3/27/2019	1.7	
9/11/2019	2.1	
3/19/2020	2.1	
9/10/2020	2.5	
4/1/2021		2.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	6.9	
10/10/2016	7.2	
12/1/2016	7.1	
2/9/2017	7.2	
4/7/2017	7.5	
6/21/2017	7.6	
8/15/2017	7.8	
9/1/2017	7.6	
3/22/2018	7	
10/4/2018	6.1	
3/27/2019	6.6	
9/11/2019	7	
3/18/2020	8.5	
9/9/2020	11	
6/1/2021		9.4

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	3.64 (D)	
6/22/2016	3.8	
8/15/2016	3.7	
10/6/2016	3.4	
12/1/2016	4	
2/8/2017	4	
4/6/2017	4	
6/21/2017	3.3	
10/5/2017	3.3	
3/21/2018	3.6	
10/2/2018	3.1	
3/27/2019	3	
9/11/2019	3.4	
3/18/2020	3.4	
9/9/2020	3.2	
4/1/2021		4.3

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	0.017 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/4/2016	<0.1	
11/30/2016	<0.1	
2/7/2017	<0.1	
4/4/2017	<0.1	
6/20/2017	<0.1	
10/4/2017	<0.1	
3/20/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	<0.1	
9/10/2019	<0.1	
3/18/2020	0.036 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	0.048 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/4/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.041 (J)	
9/10/2019	0.047 (J)	
3/18/2020	0.041 (J)	
9/9/2020	0.034 (J)	
4/1/2021		0.035 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	0.039 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/5/2016	<0.082	
11/29/2016	<0.082	
2/7/2017	<0.082	
4/4/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.042 (J)	
9/10/2019	0.046 (J)	
3/18/2020	0.071 (J)	
9/9/2020	0.036 (J)	
4/1/2021		0.042 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	0.087 (J)	
6/16/2016	0.04 (J)	
8/11/2016	0.092 (J)	
10/4/2016	<0.082	
11/30/2016	0.091 (J)	
2/7/2017	<0.082	
4/5/2017	<0.082	
6/20/2017	0.082 (J)	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	0.089 (J)	
3/26/2019	0.072 (J)	
9/10/2019	0.077 (J)	
3/18/2020	0.098 (J)	
9/9/2020	0.069 (J)	
4/1/2021		0.081 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.082 (JD)	
6/21/2016	0.02 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.077 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.088 (J)	
9/9/2020	0.055 (J)	
4/1/2021		0.086 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	0.061 (JD)	
6/21/2016	0.03 (J)	
8/15/2016	<0.082	
10/5/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.048 (J)	
9/11/2019	0.054 (J)	
3/18/2020	0.064 (J)	
9/10/2020	0.052 (J)	
4/1/2021		0.042 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	0.01 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/5/2016	<0.1	
12/1/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1 (D)	
10/2/2018	<0.1	
3/26/2019	0.026 (J)	
9/11/2019	0.039 (J)	
3/18/2020	0.046 (J)	
9/10/2020	<0.1	
4/1/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.039 (JD)	
6/21/2016	<0.082	
8/15/2016	<0.082	
10/7/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/22/2017	<0.082	
10/6/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.04 (J)	
9/11/2019	0.051 (J)	
3/18/2020	0.055 (J)	
9/10/2020	0.034 (J)	
4/6/2021		0.026 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	0.027 (JD)	
6/21/2016	<0.1	
8/15/2016	<0.1	
10/4/2016	<0.1	
12/1/2016	<0.1	
2/7/2017	<0.1	
4/6/2017	<0.1	
6/20/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.034 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.068 (J)	
9/9/2020	<0.1	
4/1/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	0.047 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.046 (J)	
9/11/2019	0.055 (J)	
3/18/2020	<0.1	
9/9/2020	0.045 (J)	
4/1/2021		0.041 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	0.048 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/29/2016	<0.1	
2/8/2017	<0.1	
4/5/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/20/2018	<0.1	
10/2/2018	<0.1	
3/26/2019	0.04 (J)	
9/12/2019	0.032 (J)	
3/19/2020	<0.1	
9/9/2020	0.034 (J)	
6/1/2021		0.026 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.046 (J)	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/4/2016	<0.082	
11/30/2016	<0.082	
2/7/2017	<0.082	
4/6/2017	<0.082	
6/20/2017	<0.082	
10/4/2017	<0.082	
3/20/2018	<0.082	
10/2/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.048 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.043 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	0.056 (J)	
6/16/2016	<0.1	
8/11/2016	<0.1	
10/5/2016	<0.1	
11/30/2016	<0.1	
2/8/2017	<0.1	
4/6/2017	<0.1	
6/21/2017	<0.1	
10/5/2017	<0.1	
3/21/2018	<0.1	
10/3/2018	<0.1	
3/26/2019	0.045 (J)	
9/12/2019	0.044 (J)	
3/19/2020	<0.1	
9/10/2020	0.051 (J)	
6/1/2021		0.033 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	0.057 (JD)	
6/20/2016	0.04 (J)	
8/16/2016	<0.082	
10/5/2016	<0.082	
11/30/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.046 (J)	
9/10/2019	0.058 (J)	
3/18/2020	0.091 (J)	
9/10/2020	0.063 (J)	
4/6/2021		0.045 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	0.121 (J)	
6/20/2016	0.04 (J)	
8/16/2016	0.13 (J)	
10/6/2016	0.1 (J)	
11/30/2016	0.13 (J)	
2/8/2017	0.093 (J)	
4/6/2017	0.1 (J)	
6/22/2017	0.11 (J)	
10/6/2017	0.096 (J)	
3/21/2018	0.094 (J)	
10/3/2018	0.1 (J+X)	
3/26/2019	0.087 (J)	
9/10/2019	0.097 (J)	
3/19/2020	0.038 (J)	
9/10/2020	0.1	
4/2/2021		0.097 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	0.024 (J)	
6/22/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.038 (J)	
9/11/2019	0.045 (J)	
3/18/2020	0.055 (J)	
9/9/2020	0.033 (J)	
4/1/2021		0.029 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	0.061 (J)	
6/20/2016	<0.082	
8/16/2016	<0.082	
10/6/2016	<0.082	
11/30/2016	<0.082	
2/9/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/6/2017	<0.082	
3/21/2018	<0.082	
10/3/2018	<0.082	
3/26/2019	0.058 (J)	
9/11/2019	0.058 (J)	
3/18/2020	0.082 (J)	
9/10/2020	0.052 (J)	
6/2/2021		0.038 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	0.061 (JD)	
6/20/2016	0.12 (J)	
8/15/2016	<0.1	
10/6/2016	<0.1	
12/1/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/6/2017	<0.1	
3/22/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.04 (J)	
9/11/2019	0.057 (J)	
3/19/2020	<0.1	
9/10/2020	0.053 (J)	
4/1/2021		0.072 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	0.135 (J)	
10/10/2016	0.12 (J)	
12/1/2016	0.12 (J)	
2/9/2017	0.11 (J)	
4/7/2017	0.15 (J)	
6/21/2017	0.21	
8/15/2017	0.1 (J)	
9/1/2017	0.084 (J)	
3/22/2018	0.091 (J)	
10/4/2018	0.14 (J+X)	
3/27/2019	0.071 (J)	
9/11/2019	0.071 (J)	
3/18/2020	0.073 (J)	
9/9/2020	0.038 (J)	
6/1/2021		0.034 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	0.083 (JD)	
6/22/2016	0.03 (J)	
8/15/2016	<0.082	
10/6/2016	<0.082	
12/1/2016	<0.082	
2/8/2017	<0.082	
4/6/2017	<0.082	
6/21/2017	<0.082	
10/5/2017	0.084 (J)	
3/21/2018	<0.082	
10/2/2018	<0.082	
3/27/2019	0.066 (J)	
9/11/2019	0.067 (J)	
3/18/2020	0.096 (J)	
9/9/2020	0.067 (J)	
4/1/2021		0.072 (J)

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
5/20/2014	5.27	
11/12/2014	5.7	
5/22/2015	5.52	
11/11/2015	5.63	
4/6/2016	5.5 (D)	
6/15/2016	5.52	
8/10/2016	5.5	
10/4/2016	5.56	
11/30/2016	5.46	
2/7/2017	5.28 (O)	
4/1/2017	5.48	
4/4/2017	5.48	
6/20/2017	5.44	
10/4/2017	5.44	
3/20/2018	5.48	
10/2/2018	5.49	
3/26/2019	5.41	
3/18/2020	5.42	
9/9/2020	5.71	
4/1/2021		5.31

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
5/20/2014	6.18	
11/8/2014	6.52	
5/22/2015	6.3	
11/11/2015	6.36	
4/6/2016	6.46 (D)	
6/15/2016	6.39	
8/10/2016	6.39	
10/4/2016	6.4	
11/29/2016	6.36	
2/7/2017	6.45	
4/4/2017	6.37	
6/20/2017	6.4	
10/5/2017	6.42	
3/20/2018	6.36	
10/2/2018	6.38	
3/26/2019	6.42	
3/18/2020	6.29	
9/9/2020	6.33	
4/1/2021		6.44

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
5/20/2014	5.68	
11/8/2014	6.04	
5/22/2015	5.87	
11/9/2015	5.97	
4/6/2016	5.937 (D)	
6/15/2016	5.96	
8/10/2016	5.94	
10/5/2016	5.86	
11/29/2016	5.82	
2/7/2017	6.15	
4/4/2017	6	
6/20/2017	6.34	
10/5/2017	5.93	
3/20/2018	5.97	
10/2/2018	6.03	
3/26/2019	6.12	
3/18/2020	6.03	
9/9/2020	6.05	
4/1/2021		6.14

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
5/23/2014	6.46	
11/13/2014	6.67	
5/23/2015	6.53	
11/11/2015	6.71	
4/12/2016	6.53 (D)	
6/16/2016	6.49	
8/11/2016	6.5	
10/4/2016	6.5	
11/30/2016	6.48	
2/7/2017	6.38	
4/5/2017	6.36	
6/20/2017	6.45	
10/4/2017	6.5	
3/20/2018	6.63	
10/2/2018	6.57	
3/26/2019	6.54	
3/18/2020	6.53	
9/9/2020	6.57	
4/1/2021		6.52

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
5/21/2014	6.3	
11/12/2014	6.49	
5/23/2015	6.3	
11/12/2015	6.45	
4/13/2016	6.42 (D)	
6/21/2016	6.36	
8/15/2016	6.3	
10/5/2016	6.25	
12/1/2016	6.32	
2/8/2017	6.04	
4/6/2017	6.35	
6/21/2017	6.2	
10/5/2017	6.21	
3/21/2018	6.56	
10/2/2018	6.35	
3/27/2019	6.53	
3/18/2020	6.34	
9/9/2020	6.4	
4/1/2021		6.35

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
5/20/2014	6.14	
11/12/2014	6.33	
5/24/2015	6.04	
11/12/2015	6.31	
4/13/2016	6.17 (D)	
6/21/2016	6.19	
8/15/2016	6.15	
10/5/2016	6.1	
12/1/2016	6.15	
2/8/2017	5.9 (O)	
4/6/2017	6.13	
6/20/2017	6.12	
10/5/2017	6.11	
3/21/2018	6.21	
10/2/2018	6.21	
3/27/2019	6.22	
3/18/2020	6.17	
9/10/2020	6.16	
4/1/2021		6.11

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
5/20/2014	4.86	
11/12/2014	5.3	
5/23/2015	5.04	
11/12/2015	5.31	
4/13/2016	5.22 (D)	
6/21/2016	5.2	
8/15/2016	5.12	
10/5/2016	5.07	
10/7/2016	5.07	
12/1/2016	5.08	
2/8/2017	4.76 (O)	
4/5/2017	5.1	
6/20/2017	5.13	
10/5/2017	5.1	
3/21/2018	5.33	
10/2/2018	5.16	
3/26/2019	5.25	
3/18/2020	5.19	
9/10/2020	5.1	
4/1/2021		5.18

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
5/20/2014	5.6	
11/12/2014	6.02	
5/24/2015	5.81	
11/12/2015	5.93	
4/13/2016	5.88 (D)	
6/21/2016	5.9	
8/15/2016	5.86	
10/4/2016	5.85	
10/7/2016	5.85	
12/1/2016	5.85	
2/9/2017	5.92	
4/6/2017	5.85	
6/22/2017	5.9	
10/6/2017	5.88	
3/22/2018	5.88	
10/3/2018	5.95	
3/26/2019	5.89	
3/18/2020	5.81	
9/10/2020	5.83	
4/6/2021		5.95

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
5/20/2014	5.38	
11/12/2014	5.77	
5/24/2015	5.53	
11/11/2015	5.68	
4/13/2016	5.58 (D)	
6/21/2016	5.59	
8/15/2016	5.56	
10/4/2016	5.66	
12/1/2016	5.54	
2/7/2017	5.42 (O)	
4/6/2017	5.55	
6/20/2017	5.57	
10/5/2017	5.55	
3/20/2018	5.73	
10/2/2018	5.68	
3/26/2019	5.63	
3/18/2020	5.61	
9/9/2020	5.88	
4/1/2021		5.53

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
5/23/2014	6.19	
11/8/2014	6.42	
5/22/2015	6.26	
11/10/2015	6.29	
4/11/2016	6.3 (D)	
6/16/2016	6.34	
8/11/2016	6.28	
10/5/2016	6.27	
11/29/2016	6.39	
2/8/2017	6.35	
4/6/2017	6.26	
6/21/2017	6.24	
10/5/2017	6.31	
3/20/2018	6.34	
10/2/2018	6.38	
3/26/2019	6.38	
3/18/2020	6.32	
9/9/2020	6.3	
4/1/2021		6.37

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
5/22/2014	6.37	
11/8/2014	6.51	
5/22/2015	6.35	
11/10/2015	6.41	
4/11/2016	6.36 (D)	
6/16/2016	6.35	
8/11/2016	6.37	
10/5/2016	5.78 (O)	
11/29/2016	6.44	
2/8/2017	6.4	
4/5/2017	6.35	
6/21/2017	6.36	
10/5/2017	6.41	
3/20/2018	6.37	
10/2/2018	6.41	
3/26/2019	6.35	
3/19/2020	6.27	
9/9/2020	6.27	
4/5/2021		6.37
6/1/2021		6.18

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
5/22/2014	6.74	
11/13/2014	6.94	
5/24/2015	7	
11/11/2015	6.55	
4/12/2016	6.52 (D)	
6/16/2016	6.38	
8/11/2016	6.38	
10/4/2016	6.39	
11/30/2016	6.38	
2/7/2017	6.43	
4/6/2017	6.23 (O)	
6/20/2017	6.36	
10/4/2017	6.35	
3/20/2018	6.52	
10/2/2018	6.51	
3/26/2019	6.44	
3/18/2020	6.41	
9/9/2020	6.44	
4/1/2021		7.32

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
5/22/2014	6.33	
11/9/2014	6.66	
5/22/2015	6.49	
11/10/2015	6.53	
4/12/2016	6.53 (D)	
6/16/2016	6.51	
8/11/2016	6.49	
10/5/2016	6.46	
11/30/2016	6.5	
2/8/2017	6.59	
4/6/2017	6.47	
6/21/2017	6.53	
10/5/2017	6.51	
3/21/2018	6.5	
10/3/2018	6.48	
3/26/2019	6.52	
3/19/2020	6.47	
9/10/2020	6.49	
4/5/2021		6.64
6/1/2021		6.39

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
5/22/2014	5.82	
11/9/2014	6.1	
5/22/2015	5.92	
11/16/2015	6.02	
4/12/2016	5.97 (D)	
6/20/2016	5.93	
8/12/2016	5.86	
8/16/2016	5.86	
10/5/2016	5.1 (O)	
11/30/2016	5.88	
2/8/2017	5.89	
4/6/2017	5.84	
6/21/2017	5.91	
10/5/2017	5.93	
3/21/2018	5.96	
10/3/2018	5.97	
3/26/2019	6.02	
3/18/2020	5.9	
9/10/2020	6.24	
4/6/2021		6.01

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
5/22/2014	6.17	
11/9/2014	6.45	
5/22/2015	6.26	
11/11/2015	6.3	
4/12/2016	6.44 (D)	
6/20/2016	6.33	
8/16/2016	6.3	
10/6/2016	6.21	
11/30/2016	6.26	
2/8/2017	6.35	
4/6/2017	6.29	
6/22/2017	6.31	
10/6/2017	5.9	
3/21/2018	6.23	
10/3/2018	6.25	
3/26/2019	6.34	
3/19/2020	6.32	
9/10/2020	6.46	
4/2/2021		6.35

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
5/22/2014	5.89	
11/9/2014	6.14	
5/24/2015	5.7	
11/11/2015	5.78	
4/19/2016	5.55	
6/22/2016	5.6	
8/16/2016	5.7	
10/6/2016	5.64	
12/1/2016	5.62	
2/9/2017	5.64	
4/6/2017	5.66	
6/21/2017	5.68	
10/5/2017	5.64	
3/22/2018	5.9	
10/3/2018	5.74	
3/27/2019	5.78	
3/18/2020	5.81	
9/9/2020	6.08	
4/1/2021		6.01

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
5/21/2014	6.09	
11/9/2014	6.36	
5/24/2015	6.17	
11/11/2015	6.19	
4/12/2016	6.22	
6/20/2016	6.2	
8/12/2016	6.17	
10/6/2016	6.14	
11/30/2016	6.14	
2/9/2017	6.18	
4/6/2017	6.17	
6/21/2017	6.17	
10/6/2017	6.19	
3/21/2018	6.21	
10/3/2018	6.22	
3/26/2019	6.25	
3/18/2020	6.19	
9/10/2020	6.43	
4/5/2021		6.36
6/2/2021		6.09

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
5/21/2014	6.25	
5/24/2015	6.32	
11/11/2015	6.35	
4/13/2016	6.42	
6/20/2016	6.4	
8/15/2016	6.31	
10/6/2016	6.27	
12/1/2016	6.28	
2/9/2017	6.32	
4/7/2017	6.28	
6/22/2017	6.29	
10/6/2017	5.96	
3/22/2018	6.34	
10/4/2018	6.36	
3/27/2019	6.38	
3/19/2020	6.41	
9/10/2020	6.32	
4/1/2021		6.4

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
5/21/2014	7.11	
11/13/2014	6.55	
5/23/2015	6.36	
11/11/2015	6.36	
4/19/2016	6.4	
6/23/2016	6.35	
8/23/2016	6.29	
10/10/2016	6.3	
12/1/2016	6.37	
2/9/2017	6.39	
2/27/2017	6.24	
4/7/2017	6.93	
6/21/2017	7.11 (D)	
8/15/2017	6.95	
9/1/2017	6.86	
10/9/2017	6.75	
3/22/2018	7.05	
10/4/2018	7.26	
3/27/2019	6.69	
3/18/2020	6.42	
9/9/2020	6.3	
4/5/2021		6.35
6/1/2021		6.28

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
5/21/2014	6.31	
11/12/2014	6.81	
5/23/2015	6.42	
11/12/2015	6.7	
4/13/2016	6.59	
6/22/2016	6.49	
8/15/2016	6.61	
10/6/2016	6.55	
12/1/2016	6.59	
2/8/2017	6.63	
4/6/2017	6.58	
6/21/2017	6.56	
10/5/2017	6.58	
3/21/2018	6.76	
10/2/2018	6.65	
3/27/2019	6.7	
3/18/2020	6.61	
9/9/2020	6.8	
4/1/2021		6.28

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	0.799 (J)	
6/15/2016	<0.7	
8/10/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	0.8 (J)	
4/4/2017	<0.7	
6/20/2017	<0.7	
10/4/2017	<0.7	
3/20/2018	1.2	
10/2/2018	<0.7	
3/26/2019	2.1	
9/10/2019	0.65 (J)	
3/18/2020	3.1	
9/9/2020	1.6	
4/1/2021		2.7

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/4/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/10/2019	<1	
3/18/2020	0.67 (J)	
9/9/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/7/2017	<1	
4/4/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.58 (J)	
9/10/2019	0.44 (J)	
3/18/2020	0.51 (J)	
9/9/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	0.617 (J)	
6/16/2016	<1	
8/11/2016	<1	
10/4/2016	<1	
11/30/2016	<1	
2/7/2017	0.92 (J)	
4/5/2017	1	
6/20/2017	0.76 (J)	
10/4/2017	<1	
3/20/2018	0.95 (J)	
10/2/2018	<1	
3/26/2019	0.53 (J)	
9/10/2019	0.69 (J)	
3/18/2020	0.84 (J)	
9/9/2020	0.77 (J)	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	0.51 (JD)	
6/21/2016	0.58 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	1	
4/6/2017	0.81 (J)	
6/21/2017	1.1	
10/5/2017	1.1	
3/21/2018	1.1	
10/2/2018	1.2	
3/27/2019		1.6
9/11/2019		1.8
3/18/2020		2.4
9/9/2020		2.6
4/1/2021		2.7

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/2/2018	<1	
3/27/2019	<1	
9/11/2019	0.63 (J)	
3/18/2020	<1	
9/10/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<1 (D)	
6/21/2016	0.2 (J)	
8/15/2016	<1	
10/5/2016	<1	
12/1/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/21/2018	<1 (D)	
10/2/2018	<1	
3/26/2019	0.49 (J)	
9/11/2019	0.5 (J)	
3/18/2020	1.3	
9/10/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	0.646 (JD)	
6/21/2016	0.57 (J)	
8/15/2016	<0.7	
10/7/2016	<0.7	
12/1/2016	<0.7	
2/9/2017	<0.7	
4/6/2017	<0.7	
6/22/2017	<0.7	
10/6/2017	<0.7	
3/22/2018	<0.7	
10/3/2018	<0.7	
3/26/2019	1.3	
9/11/2019	0.81 (J)	
3/18/2020	25 (o)	
9/10/2020	1.3	
4/6/2021		0.9 (J)

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	<1 (D)	
6/21/2016	0.16 (J)	
8/15/2016	<1	
10/4/2016	<1	
12/1/2016	<1	
2/7/2017	<1	
4/6/2017	<1	
6/20/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.64 (J)	
9/11/2019	0.5 (J)	
3/18/2020	<1	
9/9/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	0.39 (J)	
9/11/2019	0.61 (J)	
3/18/2020	0.62 (J)	
9/9/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:56 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/29/2016	<1	
2/8/2017	<1	
4/5/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/20/2018	<1	
10/2/2018	<1	
3/26/2019	<1	
9/12/2019	<1	
3/19/2020	0.64 (J)	
9/9/2020	1.2	
6/1/2021		1.9

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	0.56 (J)	
6/16/2016	<0.7	
8/11/2016	<0.7	
10/4/2016	<0.7	
11/30/2016	<0.7	
2/7/2017	<0.7	
4/6/2017	<0.7	
6/20/2017	<0.7	
10/4/2017	<0.7	
3/20/2018	<0.7	
10/2/2018	<0.7	
3/26/2019	0.99 (J)	
9/10/2019	0.63 (J)	
3/18/2020	0.59 (J)	
9/9/2020	0.59 (J)	
4/1/2021		1.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	<1	
6/16/2016	<1	
8/11/2016	<1	
10/5/2016	<1	
11/30/2016	<1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.45 (J)	
9/12/2019	<1	
3/19/2020	0.71 (J)	
9/10/2020	<1	
6/1/2021		1.4

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	0.419 (JD)	
6/20/2016	0.6 (J)	
8/16/2016	<1	
10/5/2016	<1	
11/30/2016	1.1	
2/8/2017	<1	
4/6/2017	<1	
6/21/2017	<1	
10/5/2017	<1	
3/21/2018	<1	
10/3/2018	<1	
3/26/2019	0.47 (J)	
9/10/2019	0.7 (J)	
3/18/2020	0.6 (J)	
9/10/2020	<1	
4/6/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	3.56	
6/20/2016	2.4	
8/16/2016	1.7	
10/6/2016	1.2	
11/30/2016	1.2	
2/8/2017	4.6	
4/6/2017	4.1	
6/22/2017	3.4	
10/6/2017	3	
3/21/2018	4.9	
10/3/2018	2.9	
3/26/2019	3.2	
9/10/2019	1.7	
3/19/2020	4.6	
9/10/2020	1.6	
4/2/2021		4.6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	575 (o)	
6/22/2016	470	
8/16/2016	360	
10/6/2016	300	
12/1/2016	340	
2/9/2017	350	
4/6/2017	380	
6/21/2017	490	
10/5/2017	380	
3/22/2018	400	
10/3/2018	270	
3/27/2019	260	
9/11/2019	130	
3/18/2020	170	
9/9/2020	110	
4/1/2021		100

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	7.55	
6/20/2016	14	
8/16/2016	12	
10/6/2016	13	
11/30/2016	14	
2/9/2017	9.5	
4/6/2017	9.7	
6/21/2017	13	
10/6/2017	7.3	
3/21/2018	9.5	
10/3/2018	10	
3/26/2019	6.3	
9/11/2019	12	
3/18/2020	5.6	
9/10/2020	9.4	
6/2/2021		13

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	<1 (D)	
6/20/2016	0.36 (J)	
8/15/2016	<1	
10/6/2016	<1	
12/1/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/6/2017	<1	
3/22/2018	<1	
10/4/2018	<1	
3/27/2019	0.51 (J)	
9/11/2019	0.52 (J)	
3/19/2020	0.54 (J)	
9/10/2020	<1	
4/1/2021		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	32.7	
10/10/2016	33	
12/1/2016	31	
2/9/2017	34	
4/7/2017	37	
6/21/2017	35	
8/15/2017	42	
9/1/2017	40	
3/22/2018	39	
10/4/2018	30	
3/27/2019	18	
9/11/2019	32	
3/18/2020	16	
9/9/2020	11	
6/1/2021		17

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	8.66 (D)	
6/22/2016	6.3	
8/15/2016	8	
10/6/2016	10	
12/1/2016	15	
2/8/2017	13	
4/6/2017	14	
6/21/2017	11	
10/5/2017	10	
3/21/2018	12	
10/2/2018	8.2	
3/27/2019	6.8	
9/11/2019	9.6	
3/18/2020	6.9	
9/9/2020	8.4	
4/1/2021		9.7

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15	GWA-15
4/6/2016	38	
6/15/2016	<10	
8/10/2016	56	
10/4/2016	48	
11/30/2016	46	
2/7/2017	18	
4/4/2017	32	
6/20/2017	38	
10/4/2017	42	
3/20/2018	20 (JX)	
10/2/2018	48	
3/26/2019	45	
9/10/2019	42	
3/18/2020	43	
9/9/2020	<10	
4/1/2021		55

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-16	GWA-16
4/6/2016	84	
6/15/2016	139	
8/10/2016	80	
10/4/2016	62	
11/29/2016	110	
2/7/2017	70	
4/4/2017	120	
6/20/2017	76	
10/5/2017	110	
3/20/2018	110	
10/2/2018	110	
3/26/2019	100	
9/10/2019	75	
3/18/2020	93	
9/9/2020	66	
4/1/2021		100

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-17	GWA-17
4/6/2016	61	
6/15/2016	113	
8/10/2016	74	
10/5/2016	44	
11/29/2016	58	
2/7/2017	4 (J)	
4/4/2017	78	
6/20/2017	50	
10/5/2017	64	
3/20/2018	90	
10/2/2018	90	
3/26/2019	82	
9/10/2019	51	
3/18/2020	75	
9/9/2020	64	
4/1/2021		68

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-1	GWC-1
4/12/2016	147	
6/16/2016	150	
8/11/2016	110	
10/4/2016	140	
11/30/2016	130	
2/7/2017	130	
4/5/2017	130	
6/20/2017	120	
10/4/2017	130	
3/20/2018	110	
10/2/2018	140	
3/26/2019	150	
9/10/2019	130	
3/18/2020	130	
9/9/2020	120	
4/1/2021		120

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-10	GWC-10
4/13/2016	103 (D)	
6/21/2016	214 (O)	
8/15/2016	130	
10/5/2016	84	
12/1/2016	130	
2/8/2017	130	
4/6/2017	130	
6/21/2017	120	
10/5/2017	140	
3/21/2018	120	
10/2/2018	150	
3/27/2019	140	
9/11/2019	110	
3/18/2020	140	
9/9/2020	160	
4/1/2021		140

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-11	GWC-11
4/13/2016	99 (D)	
6/21/2016	293	
8/15/2016	90	
10/5/2016	70	
12/1/2016	120	
2/8/2017	86	
4/6/2017	130	
6/20/2017	86	
10/5/2017	94	
3/21/2018	100	
10/2/2018	120	
3/27/2019	100	
9/11/2019	94	
3/18/2020	100	
9/10/2020	95	
4/1/2021		90

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-12	GWC-12
4/13/2016	<5 (D)	
6/21/2016	110	
8/15/2016	<5	
10/5/2016	<5	
12/1/2016	16	
2/8/2017	12	
4/5/2017	18	
6/20/2017	<5	
10/5/2017	28	
3/21/2018	28 (JX)	
10/2/2018	38	
3/26/2019	29	
9/11/2019	14	
3/18/2020	26	
9/10/2020	13	
4/1/2021		17

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-13	GWC-13
4/13/2016	60 (D)	
6/21/2016	195 (O)	
8/15/2016	42	
10/7/2016	24	
12/1/2016	68	
2/9/2017	56	
4/6/2017	68	
6/22/2017	56	
10/6/2017	90	
3/22/2018	76	
10/3/2018	22	
3/26/2019	59	
9/11/2019	33	
3/18/2020	100	
9/10/2020	60	
4/6/2021		55

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-14	GWC-14
4/13/2016	56 (D)	
6/21/2016	68	
8/15/2016	46	
10/4/2016	60	
12/1/2016	70	
2/7/2017	40	
4/6/2017	74	
6/20/2017	34	
10/5/2017	98	
3/20/2018	42	
10/2/2018	40	
3/26/2019	60	
9/11/2019	26	
3/18/2020	57	
9/9/2020	54	
4/1/2021		43

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-18	GWC-18
4/11/2016	89	
6/16/2016	88	
8/11/2016	52	
10/5/2016	76	
11/29/2016	72	
2/8/2017	74	
4/6/2017	84	
6/21/2017	88	
10/5/2017	110	
3/20/2018	92	
10/2/2018	100	
3/26/2019	94	
9/11/2019	77	
3/18/2020	92	
9/9/2020	77	
4/1/2021		62

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-19	GWC-19
4/11/2016	99	
6/16/2016	102	
8/11/2016	38	
10/5/2016	26	
11/29/2016	82	
2/8/2017	78	
4/5/2017	100	
6/21/2017	100	
10/5/2017	100	
3/20/2018	100	
10/2/2018	130	
3/26/2019	100	
9/12/2019	70	
3/19/2020	110	
9/9/2020	120	
6/1/2021		130

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-2	GWC-2
4/12/2016	93	
6/16/2016	130	
8/11/2016	92	
10/4/2016	120	
11/30/2016	130	
2/7/2017	36	
4/6/2017	150	
6/20/2017	92	
10/4/2017	120	
3/20/2018	120	
10/2/2018	140	
3/26/2019	130	
9/10/2019	140	
3/18/2020	140	
9/9/2020	110	
4/1/2021		120

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-20	GWC-20
4/12/2016	104	
6/16/2016	111	
8/11/2016	70	
10/5/2016	92	
11/30/2016	92	
2/8/2017	98	
4/6/2017	92	
6/21/2017	100	
10/5/2017	130	
3/21/2018	100	
10/3/2018	130	
3/26/2019	110	
9/12/2019	84	
3/19/2020	120	
9/10/2020	110	
6/1/2021		120

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-3	GWC-3
4/12/2016	92 (D)	
6/20/2016	78	
8/16/2016	76	
10/5/2016	64	
11/30/2016	82	
2/8/2017	92	
4/6/2017	88	
6/21/2017	88	
10/5/2017	86	
3/21/2018	98	
10/3/2018	60	
3/26/2019	86	
9/10/2019	66	
3/18/2020	72	
9/10/2020	59	
4/6/2021		81

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-4	GWC-4
4/12/2016	80	
6/20/2016	111	
8/16/2016	100	
10/6/2016	110	
11/30/2016	110	
2/8/2017	120	
4/6/2017	130	
6/22/2017	110	
10/6/2017	120	
3/21/2018	160	
10/3/2018	120	
3/26/2019	130	
9/10/2019	93	
3/19/2020	130	
9/10/2020	130	
4/2/2021		150

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-5	GWC-5
4/19/2016	1290	
6/22/2016	1060	
8/16/2016	880	
10/6/2016	820	
12/1/2016	900	
2/9/2017	940	
4/6/2017	1100	
6/21/2017	1200	
10/5/2017	950	
3/22/2018	1000	
10/3/2018	620	
3/27/2019	580	
9/11/2019	310	
3/18/2020	430	
9/9/2020	270	
4/1/2021		260

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-6	GWC-6
4/12/2016	138	
6/20/2016	154	
8/16/2016	140	
10/6/2016	150	
11/30/2016	160	
2/9/2017	160	
4/6/2017	140	
6/21/2017	150	
10/6/2017	160	
3/21/2018	170	
10/3/2018	120	
3/26/2019	130	
9/11/2019	120	
3/18/2020	140	
9/10/2020	140	
6/2/2021		140

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-7	GWC-7
4/13/2016	130 (D)	
6/20/2016	116	
8/15/2016	92	
10/6/2016	110	
12/1/2016	140	
2/9/2017	120	
4/7/2017	120	
6/22/2017	100	
10/6/2017	140	
3/22/2018	130	
10/4/2018	110	
3/27/2019	120	
9/11/2019	100	
3/19/2020	98	
9/10/2020	120	
4/1/2021		110

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-8A	GWC-8A
4/19/2016	179	
10/10/2016	110 (O)	
12/1/2016	170	
2/9/2017	180	
4/7/2017	200	
6/21/2017	190	
8/15/2017	190	
9/1/2017	160	
3/22/2018	220	
10/17/2018	170	
3/27/2019	300	
9/11/2019	210	
3/18/2020	300	
9/9/2020	360	
6/1/2021		340

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/28/2021 10:57 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWC-9	GWC-9
4/13/2016	135 (D)	
6/22/2016	199	
8/15/2016	120	
10/6/2016	140	
12/1/2016	160	
2/8/2017	130	
4/6/2017	140	
6/21/2017	150	
10/5/2017	170	
3/21/2018	160	
10/2/2018	34	
3/27/2019	140	
9/11/2019	130	
3/18/2020	130	
9/9/2020	150	
4/1/2021		120

FIGURE L.

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2

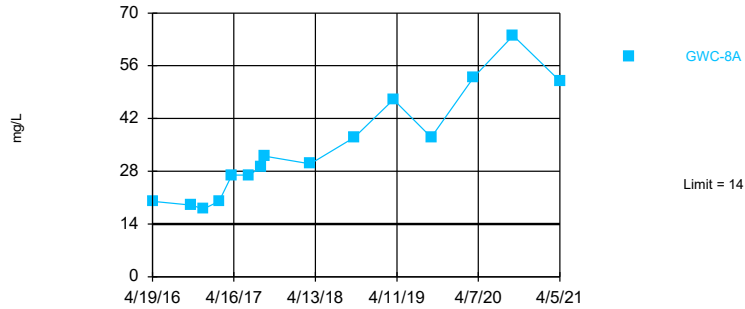
Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-8A	14	n/a	4/5/2021	52	Yes	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-10	7	n/a	4/1/2021	4.4	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-14	7	n/a	4/1/2021	3.8	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-19	7	n/a	6/1/2021	2.6	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
Chloride, Total (mg/L)	GWC-7	7	n/a	4/1/2021	2.9	No	48	n/a	n/a	0	n/a	n/a	0.0007865	NP Inter 1 of 2
pH, Field (S.U.)	GWC-19	6.52	5.27	6/1/2021	6.18	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
pH, Field (S.U.)	GWC-2	6.52	5.27	4/1/2021	7.32	Yes	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
pH, Field (S.U.)	GWC-9	6.52	5.27	4/1/2021	6.28	No	57	n/a	n/a	0	n/a	n/a	0.001141	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	3.1	n/a	4/1/2021	2.7	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-19	3.1	n/a	6/1/2021	1.9	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-2	3.1	n/a	4/1/2021	1.1	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	3.1	n/a	6/1/2021	1.4	No	48	n/a	n/a	75	n/a	n/a	0.0007865	NP Inter 1 of 2

Exceeds Limit: GWC-8A

Prediction Limit
Interwell Non-parametric

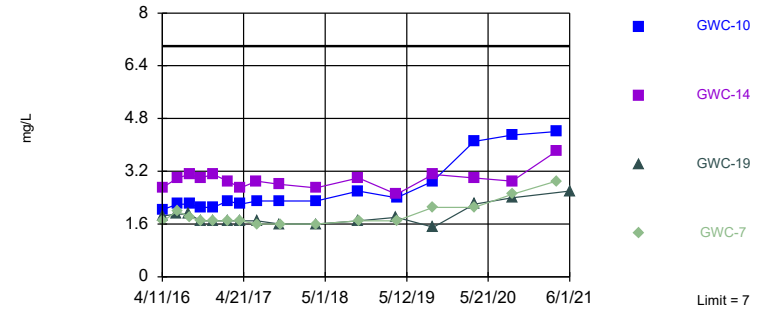


NP test selected by user. Limit is highest of 48 background values. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Assumes 16 future values.

Constituent: Calcium, total Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

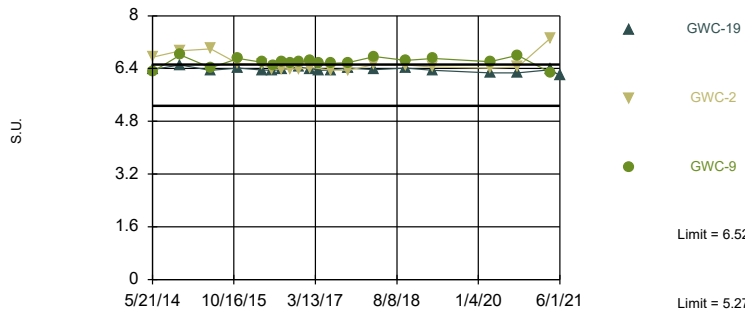


NP test selected by user. Limit is highest of 48 background values. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Comparing 4 points to limit. Assumes 13 future values.

Constituent: Chloride, Total Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Exceeds Limits: GWC-2

Prediction Limit
Interwell Non-parametric



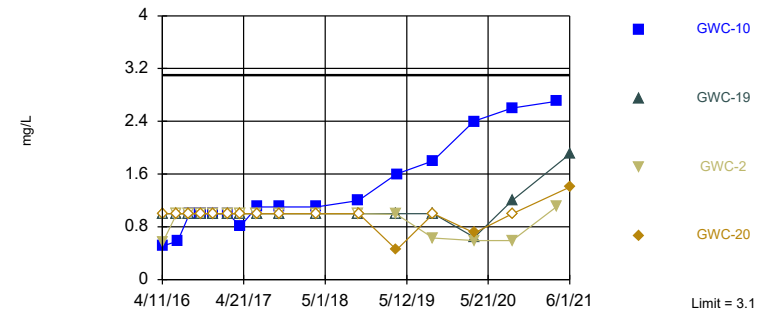
NP test selected by user. Limits are highest and lowest of 57 background values. Annual per-constituent alpha = 0.03843. Individual comparison alpha = 0.001141 (1 of 2). Comparing 3 points to limit. Assumes 14 future values.

Constituent: pH, Field Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric



NP test selected by user. Limit is highest of 48 background values. 75% NDs. Annual per-constituent alpha = 0.0264. Individual comparison alpha = 0.0007865 (1 of 2). Comparing 4 points to limit. Assumes 13 future values.

Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:42 AM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-8A
4/6/2016	3.62	6.58	12.1	
4/19/2016				20
6/15/2016	4.5	6.9	11.8	
8/10/2016	3.8	5.5	10	
10/4/2016	5.3		14	
10/5/2016		6.8		
10/10/2016				19
11/29/2016		4.8	10	
11/30/2016	4.7			
12/1/2016				18
2/7/2017	3.8	7.8	12	
2/9/2017				20
4/4/2017	3.8	6.4	11	
4/7/2017				27
6/20/2017	4.1	7	11	
6/21/2017				27 (D)
8/15/2017				29
9/1/2017				32
10/4/2017	4.6			
10/5/2017		6.6	13	
3/20/2018	4.2 (D)	6.6	12	
3/22/2018				30
10/2/2018	4.2	5.8	11	
10/4/2018				37
3/26/2019	4	6.7	11	
3/27/2019				47
9/10/2019	4.8	7.5	12	
9/11/2019				37
3/18/2020	3.8	7.3	12	53
9/9/2020	4	7.3	11	64
4/1/2021	4	7.8	12	
4/5/2021				52

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-14	GWC-10	GWC-7
4/6/2016	5.342	1.69	1.789				
4/11/2016				1.84			
4/13/2016					2.71 (D)	2.04 (D)	1.68 (D)
6/15/2016	5.2	1.9	2.1				
6/16/2016				1.9			
6/20/2016							2
6/21/2016					3	2.2	
8/10/2016	5.5	1.7	1.8				
8/11/2016				1.9			
8/15/2016					3.1	2.2	1.8
10/4/2016	5.4		1.7		3		
10/5/2016		1.6		1.7		2.1	
10/6/2016							1.7
11/29/2016		1.7	1.7	1.7			
11/30/2016	5.4						
12/1/2016					3.1	2.1	1.7
2/7/2017	5.1	1.6	1.6		2.9		
2/8/2017				1.7		2.3	
2/9/2017							1.7
4/4/2017	5.1	1.5	1.6				
4/5/2017				1.7			
4/6/2017					2.7	2.2	
4/7/2017							1.7
6/20/2017	5.2	1.5	1.6		2.9		
6/21/2017				1.7		2.3	
6/22/2017							1.6
10/4/2017	5.2						
10/5/2017		1.5	1.5	1.6	2.8	2.3	
10/6/2017							1.6
3/20/2018	5.6 (D)	1.4	1.5	1.6	2.7		
3/21/2018						2.3	
3/22/2018							1.6
10/2/2018	6.3	1.5	1.6	1.7	3	2.6	
10/4/2018							1.7
3/26/2019	5.5	1.3	1.5	1.8	2.5		
3/27/2019						2.4	1.7
9/10/2019	5.2	1.3	1.4				
9/11/2019					3.1	2.9	2.1
9/12/2019				1.5			
3/18/2020	5.4	2	1.7		3	4.1	
3/19/2020				2.2			2.1
9/9/2020	6.1	1.3	1.6	2.4	2.9	4.3	
9/10/2020							2.5
4/1/2021	7	1.5	1.8		3.8	4.4	2.9
6/1/2021				2.6			

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-9	GWC-2	GWC-19
5/20/2014	5.27	5.68	6.18			
5/21/2014				6.31		
5/22/2014					6.74	6.37
11/8/2014		6.04	6.52			6.51
11/12/2014	5.7			6.81		
11/13/2014					6.94	
5/22/2015	5.52	5.87	6.3			6.35
5/23/2015				6.42		
5/24/2015					7	
11/9/2015		5.97				
11/10/2015						6.41
11/11/2015	5.63		6.36		6.55	
11/12/2015				6.7		
4/6/2016	5.5 (D)	5.937 (D)	6.46 (D)			
4/11/2016						6.36 (D)
4/12/2016					6.52 (D)	
4/13/2016				6.59		
6/15/2016	5.52	5.96	6.39			
6/16/2016					6.38	6.35
6/22/2016				6.49		
8/10/2016	5.5	5.94	6.39			
8/11/2016					6.38	6.37
8/15/2016				6.61		
10/4/2016	5.56		6.4		6.39	
10/5/2016		5.86				5.78 (O)
10/6/2016				6.55		
11/29/2016		5.82	6.36			6.44
11/30/2016	5.46				6.38	
12/1/2016				6.59		
2/7/2017	5.28 (O)	6.15	6.45		6.43	
2/8/2017				6.63		6.4
4/1/2017	5.48					
4/4/2017	5.48	6	6.37			
4/5/2017						6.35
4/6/2017				6.58	6.23 (O)	
6/20/2017	5.44	6.34	6.4		6.36	
6/21/2017				6.56		6.36
10/4/2017	5.44				6.35	
10/5/2017		5.93	6.42	6.58		6.41
3/20/2018	5.48	5.97	6.36		6.52	6.37
3/21/2018				6.76		
10/2/2018	5.49	6.03	6.38	6.65	6.51	6.41
3/26/2019	5.41	6.12	6.42		6.44	6.35
3/27/2019				6.7		
3/18/2020	5.42	6.03	6.29	6.61	6.41	
3/19/2020						6.27
9/9/2020	5.71	6.05	6.33	6.8	6.44	6.27
4/1/2021	5.31	6.14	6.44	6.28	7.32	
4/5/2021						6.37
6/1/2021						6.18

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 6/24/2021 10:55 AM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

	GWA-15 (bg)	GWA-17 (bg)	GWA-16 (bg)	GWC-19	GWC-2	GWC-20	GWC-10
4/6/2016	0.799 (J)	<1	<1				
4/11/2016				<1			
4/12/2016					0.56 (J)	<1	
4/13/2016							0.51 (JD)
6/15/2016	<1	<1	<1				
6/16/2016				<1	<1	<1	
6/21/2016							0.58 (J)
8/10/2016	<1	<1	<1				
8/11/2016				<1	<1	<1	
8/15/2016							<1
10/4/2016	<1		<1		<1		
10/5/2016		<1		<1		<1	<1
11/29/2016		<1	<1	<1			
11/30/2016	<1				<1	<1	
12/1/2016							<1
2/7/2017	0.8 (J)	<1	<1		<1		
2/8/2017				<1		<1	1
4/4/2017	<1	<1	<1				
4/5/2017				<1			
4/6/2017					<1	<1	0.81 (J)
6/20/2017	<1	<1	<1		<1		
6/21/2017				<1		<1	1.1
10/4/2017	<1				<1		
10/5/2017		<1	<1	<1		<1	1.1
3/20/2018	1.2	<1	<1	<1	<1		
3/21/2018						<1	1.1
10/2/2018	<1	<1	<1	<1	<1		1.2
10/3/2018						<1	
3/26/2019	2.1	0.58 (J)	<1	<1	0.99 (J)	0.45 (J)	
3/27/2019							1.6
9/10/2019	0.65 (J)	0.44 (J)	<1		0.63 (J)		
9/11/2019							1.8
9/12/2019				<1		<1	
3/18/2020	3.1	0.51 (J)	0.67 (J)		0.59 (J)		2.4
3/19/2020				0.64 (J)		0.71 (J)	
9/9/2020	1.6	<1	<1	1.2	0.59 (J)		2.6
9/10/2020						<1	
4/1/2021	2.7	<1	<1		1.1		2.7
6/1/2021				1.9		1.4	

FIGURE M.

Appendix III Trend Tests - Significant Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP

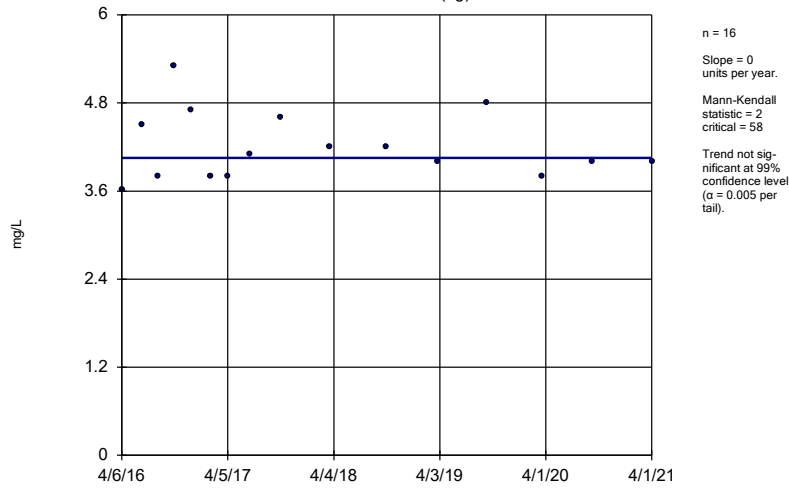
Appendix III Trend Tests - All Results

Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR Printed 6/24/2021, 10:59 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWA-15 (bg)	0	2	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-16 (bg)	0	1	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-17 (bg)	0.21	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-8A	9.193	88	53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-15 (bg)	0.1125	39	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-16 (bg)	-0.0718	-45	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-17 (bg)	-0.1006	-61	-58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-10	0.271	98	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-14	0	3	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-19	0	5	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-7	0.03647	33	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-15 (bg)	-0.0286	-61	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-16 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWA-17 (bg)	0.04076	69	74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-19	-0.01609	-52	-74	No	19	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-2	-0.02613	-26	-68	No	18	0	n/a	n/a	0.01	NP
pH, Field (S.U.)	GWC-9	0.03008	31	74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-15 (bg)	0.1912	36	58	No	16	50	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-16 (bg)	0	-11	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-17 (bg)	0	-28	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-10	0.3785	103	58	Yes	16	18.75	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-19	0	16	58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-2	0	4	58	No	16	62.5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-20	0	-4	-58	No	16	81.25	n/a	n/a	0.01	NP

Sen's Slope Estimator

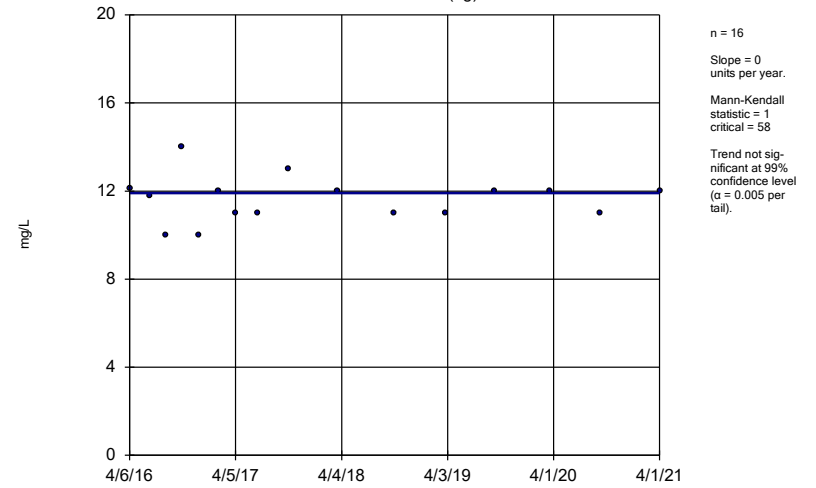
GWA-15 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

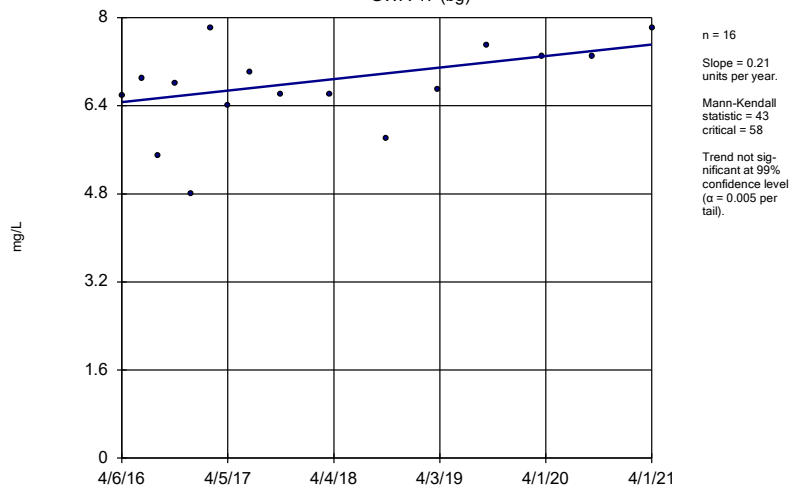
GWA-16 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

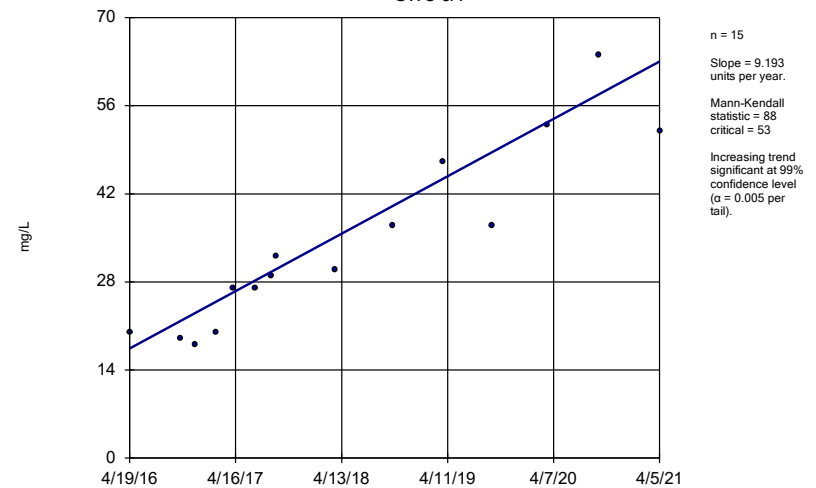
GWA-17 (bg)



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

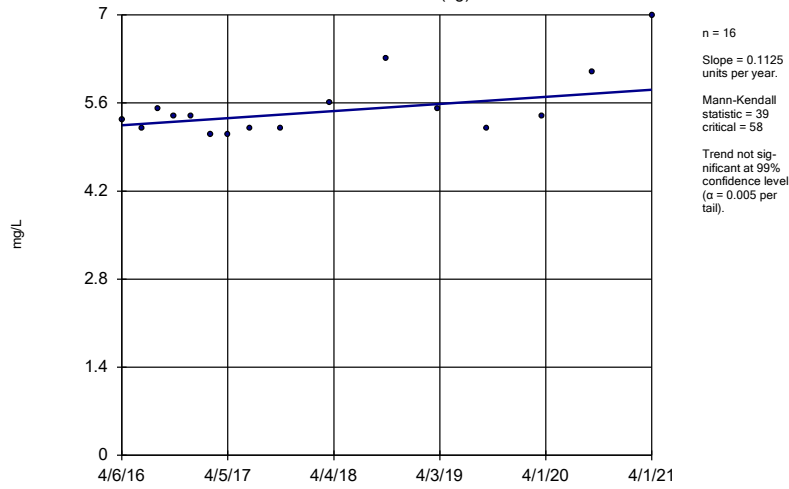
GWC-8A



Constituent: Calcium, total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
 Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

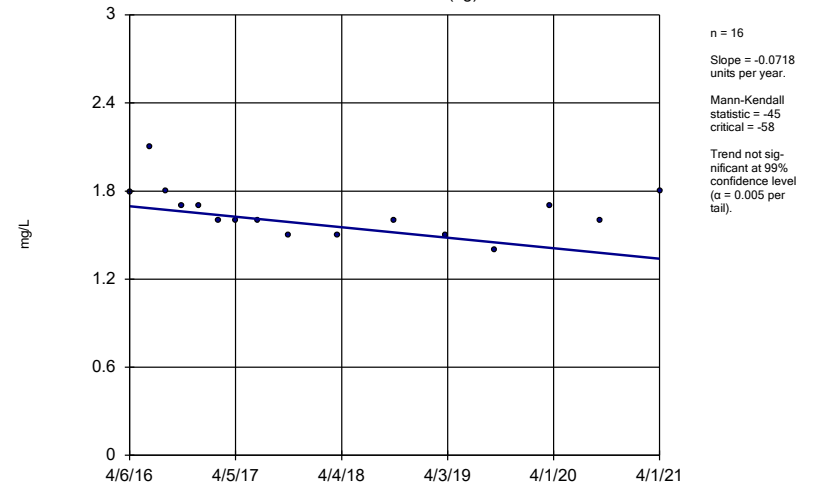
GWA-15 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

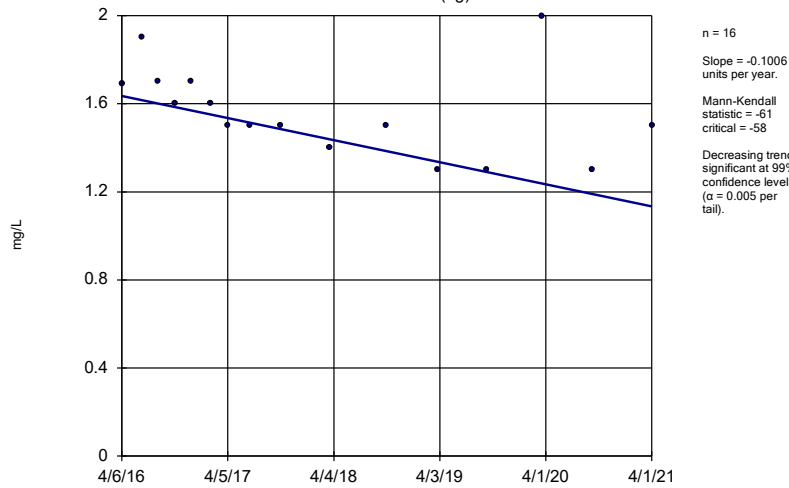
GWA-16 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator

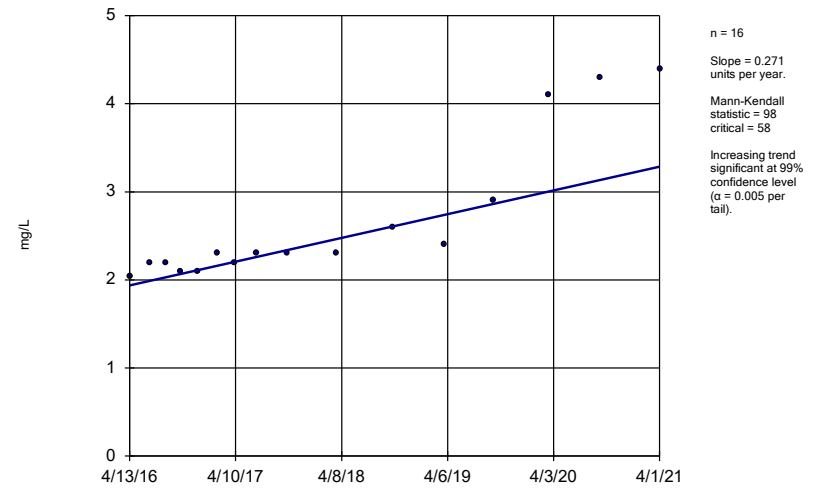
GWA-17 (bg)



Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

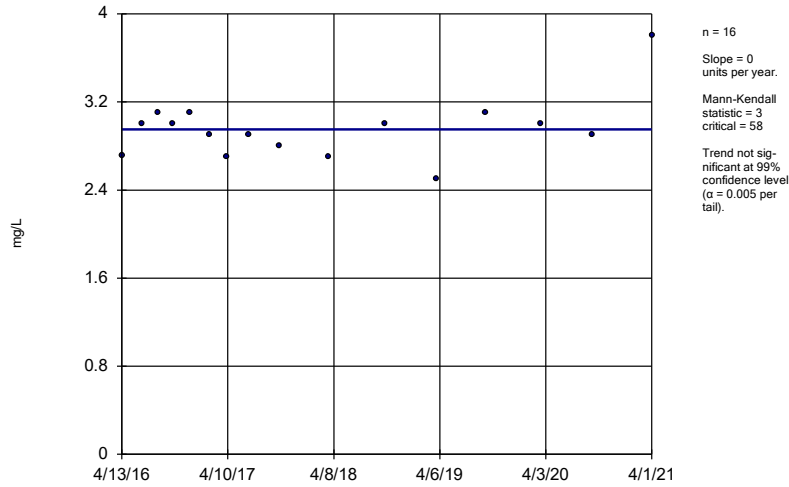
Sen's Slope Estimator

GWC-10



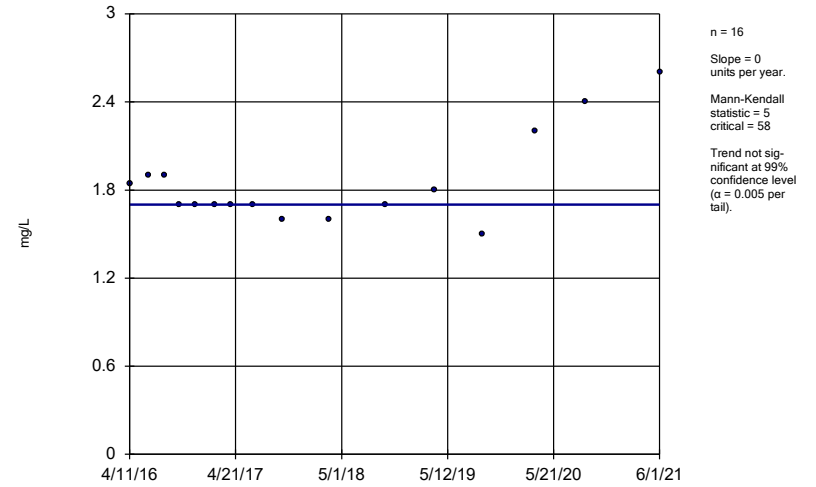
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-14



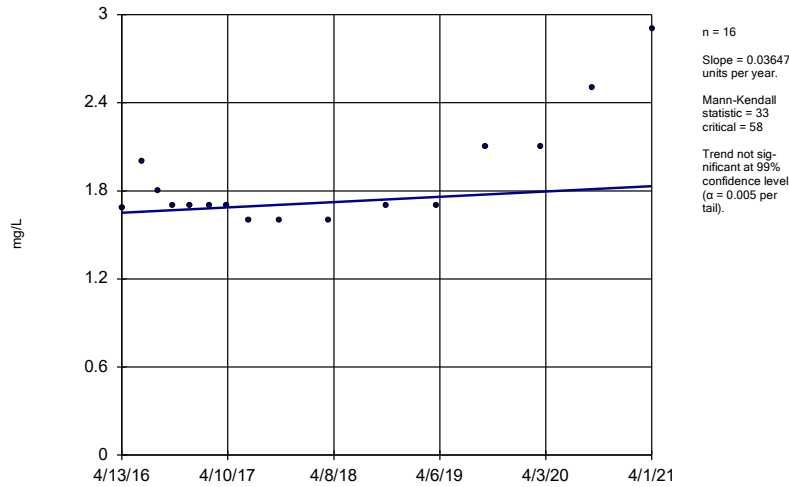
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-19



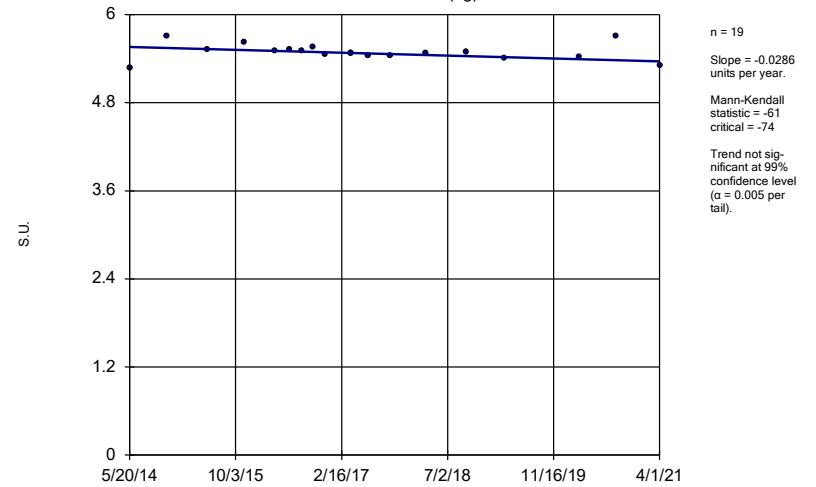
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-7



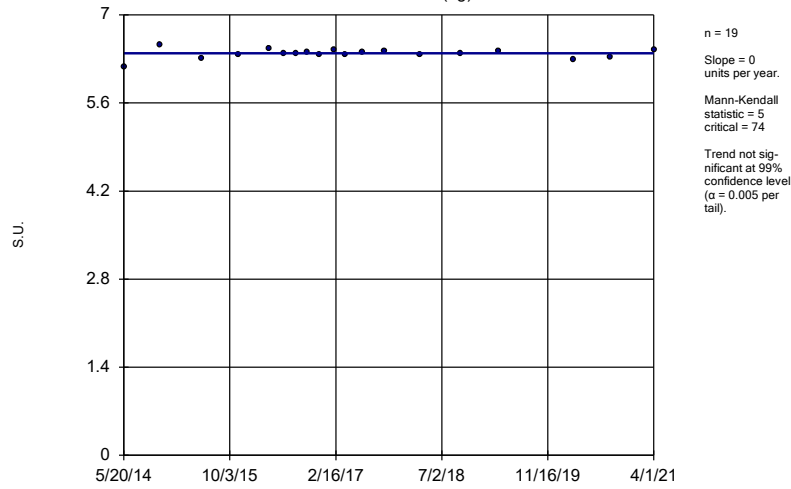
Constituent: Chloride, Total Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-15 (bg)



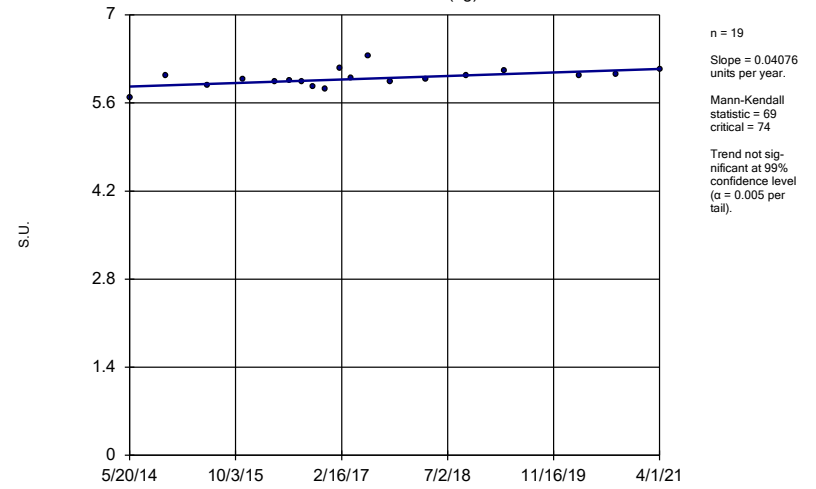
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-16 (bg)



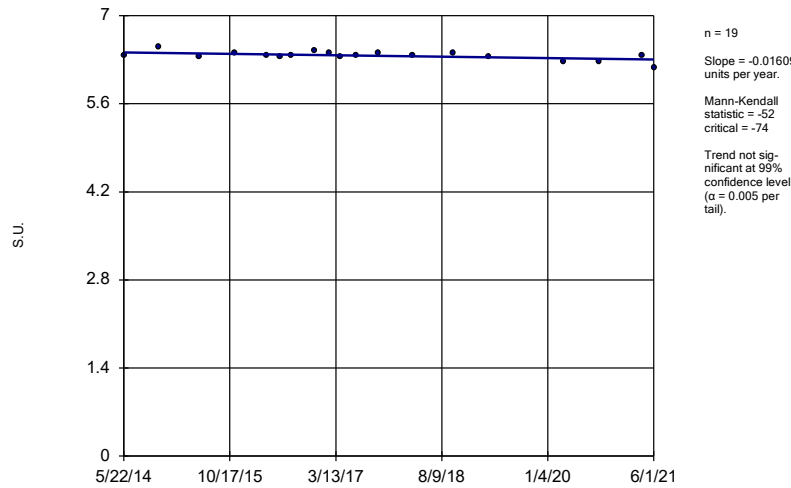
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-17 (bg)



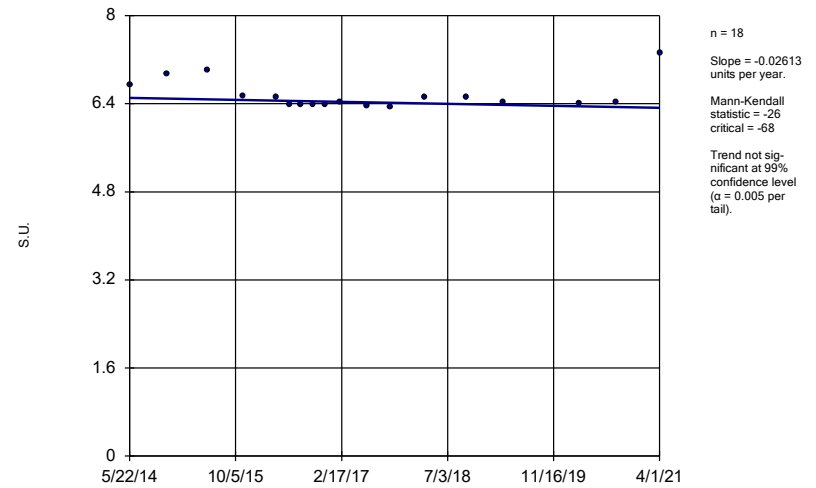
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-19



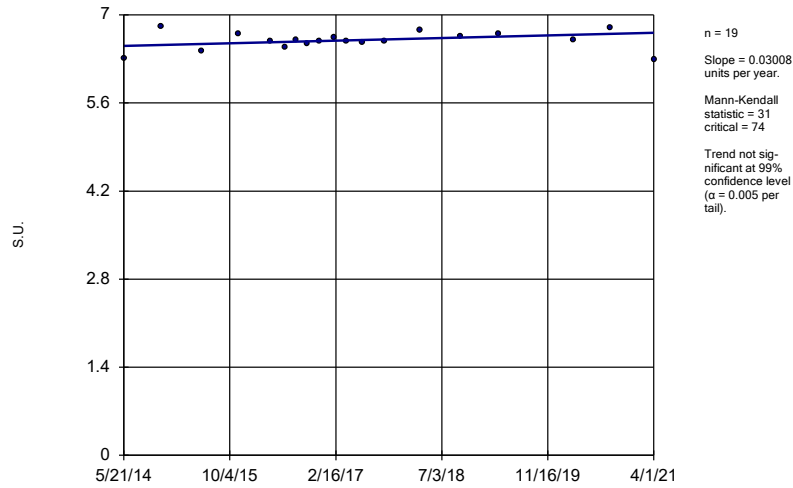
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-2



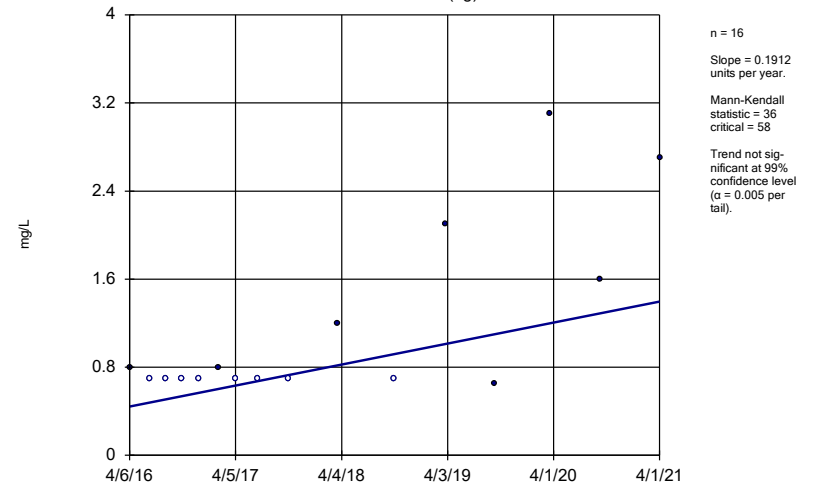
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWC-9



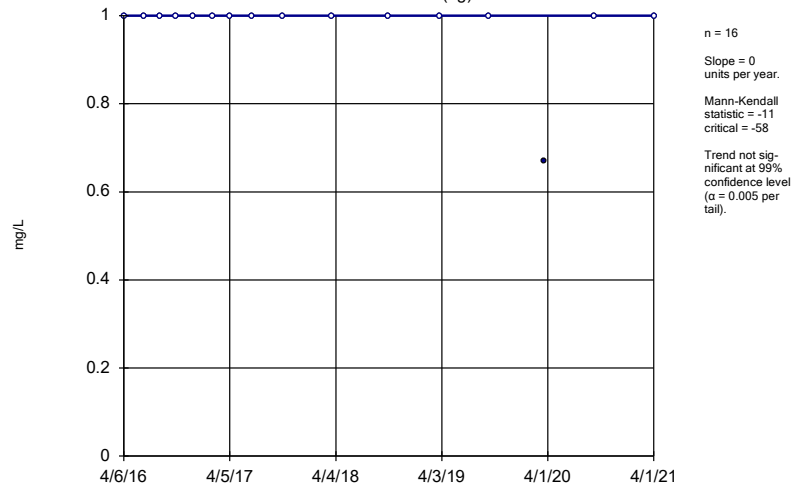
Constituent: pH, Field Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-15 (bg)



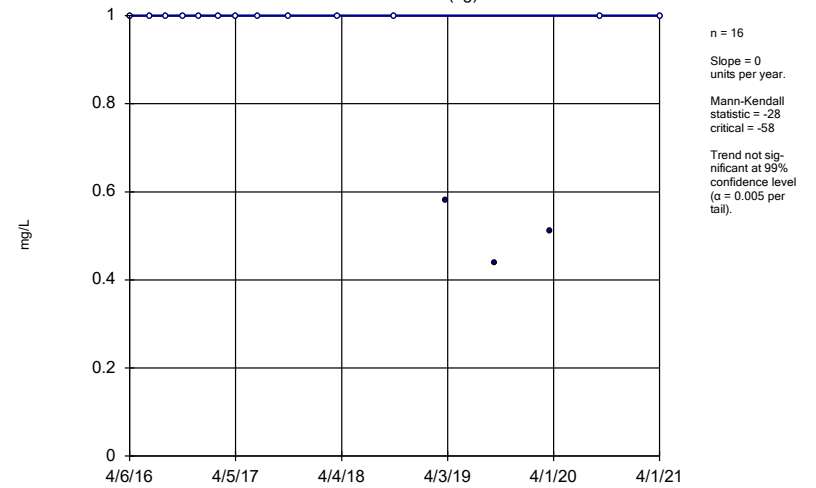
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-16 (bg)



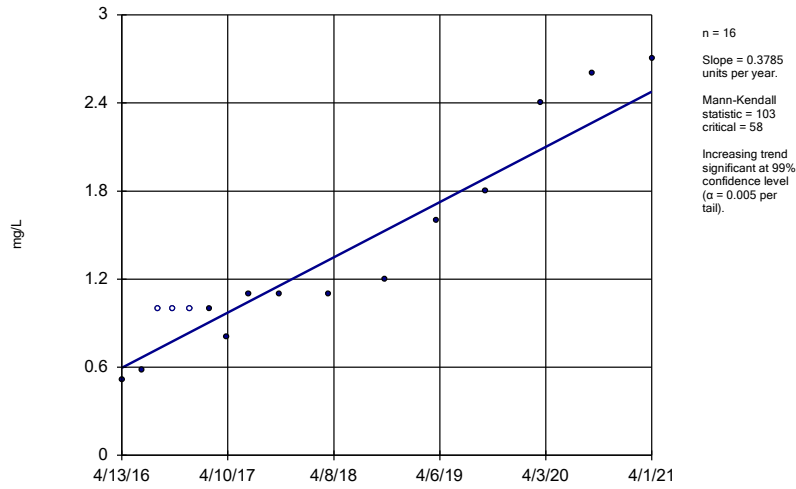
Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator
GWA-17 (bg)



Constituent: Sulfate as SO4 Analysis Run 6/24/2021 10:57 AM View: Appendix III - Trend Test
Plant Scherer Client: Southern Company Data: Scherer Cell 1 CCR

Sen's Slope Estimator GWC-10



April 2021

GROUNDWATER
STATISTICAL
ANALYSIS

FOR

PLANT SCHERER PAC
LANDFILL

Prepared by:

Groundwater Stats Consulting LLC

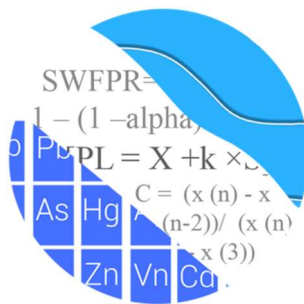
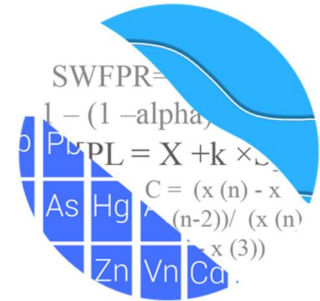


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GROUNDWATER STATS CONSULTING



August 24, 2021

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Scherer PAC Landfill
Background Update and Statistical Analysis – 2021 1st Semi-Annual

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and 2021 1st Semi-Annual Groundwater Monitoring Statistical Analysis for the April/June 2021 sample event for Georgia Power Company's Plant Scherer PAC Landfill. The analysis complies with the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Sampling began for the CCR program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2010. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, and GWA-49
- **Downgradient wells:** GWC-29, GWC-50, GWC-51, GWC-52, and GWC-53

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting and Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and Georgia EPD parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended.

Power curves are provided in to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves are based on the following:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, vanadium, and zinc)
- # Constituents: 14 (antimony and silver and were 100% non-detects in all downgradient wells)
- # Downgradient wells: 5

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 5

Statistical analyses are not required when 100% non-detects are present in downgradient wells for a given constituent. Therefore, no analyses were included for antimony and silver in this report.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance

(2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resamples confirm the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening – CCR Appendix III – Conducted in 2017

The original background screening for Appendix III constituents was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Intrawell prediction limits, combined with a 1-of-2 resample plan, were recommended. The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. Based on the results of the original background screening, intrawell tests were recommended for all Appendix III parameters.

Summary of Background Screening Georgia EPD Appendix I - Conducted in August 2019

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values were not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the non-detects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. An updated summary of all flagged data is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. As mentioned above, a substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trends

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses showed several statistically significant increasing and decreasing trends; however, the majority of these were relatively low in magnitude when compared to average concentrations and, therefore, required no adjustments. It was noted that several of the upgradient wells had higher reported measurements in the earliest part of the records for some of the metals. These values were not deselected at this time since the measurements serve as reference data upgradient of the facility. If similar measurements are observed at a later time in one or more downgradient wells, the earlier upgradient data would indicate that the change is naturally occurring rather than a result of practices at the facility. Lastly, while there was an overall increasing trend in concentrations for cobalt at well GWC-53, data are highly variable and similar to

concentrations that have historically been reported in at least one upgradient well. Therefore, no adjustment was made to this record. Since the August 2019 screening, the trend in cobalt at well GWC-53 has been decreasing.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistical differences among the residual means or medians of the upgradient well data for the following constituents: barium, chromium, cobalt, copper, nickel and vanadium. No statistical differences were identified for the remainder of the constituents. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: arsenic, beryllium and cadmium. A summary table of the ANOVA results was included with the August 2019 screening.

Generally, constituents without significant differences, based on ANOVA across upgradient wells, may be considered for interwell analysis. However, the Scherer PAC Landfill is lined, and pre-waste data are available that show metals were present naturally in low level detections during the collection of background data. Furthermore, for some constituents, the reported concentrations are higher in upgradient wells than in downgradient wells. This would result in interwell limits that would not readily detect changes in the downgradient wells with lower concentrations. Therefore, intrawell prediction limits are recommended as the most appropriate statistical analysis for all of the Georgia EPD constituents at this landfill.

Background Update – Georgia EPD Appendix I and CCR Appendix III – June 2021

Outlier Analysis

Prior to updating background data, visual screening was used to evaluate data for suspected outliers in upgradient and downgradient wells through September 2020

(Figure C). All of the more recent compliance measurements appeared stable compared to the previously screened historical data sets; therefore, no new outliers were flagged, except for a resulting high value for lead in well GWC-52 that was flagged in order to maintain conservative (i.e. lower) statistical limits. A summary of all flagged outliers follows this letter. Outliers are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

Mann-Whitney Comparison of Medians

For constituents requiring intrawell prediction limits (all Georgia EPD Appendix I and CCR Appendix III constituents in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2018 to the new compliance samples at each well through September 2020 (Figures D and E, respectively). When no variation is present between historical data and compliance samples, the Mann-Whitney test is not performed. A list of well/constituent pairs with no variation follows this report. While all other well/constituent pairs were tested using the Mann Whitney (Wilcoxon Rank Sum) test as may be seen on the summary table following this letter, only the significant results are provided in the graphical output. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. Statistically significant differences (either an increase or decrease in median concentrations) were found between the two groups for the following well/constituent pairs:

Appendix I

Increasing

- Barium: GWA-45, GWA-46 (both upgradient), GWC-29, GWC-52
- Chromium: GWC-52
- Vanadium: GWA-21 and GWA-45 (both upgradient)

Decreasing

- Barium: GWC-53
- Cobalt: GWA-46 and GWA-49 (both upgradient)
- Nickel: GWA-21, GWA-45, GWA-49 (all upgradient), GWC-50, and GWC-51
- Zinc: GWA-21 (upgradient)

Appendix III

Increasing

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient)
- Fluoride: GWC-51
- pH: GWC-29

- Sulfate: GWA-47 (upgradient), GWC-29, and GWC-52
- TDS: GWA-21 (upgradient)

Decreasing

- Fluoride: GWA-21, GWA-22, GWA-47, GWA-48, GWA-49 (all upgradient), GWC-29, and GWC-52

Typically, when the test concludes that the medians of the two groups are statistically significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

In this analysis, all of the records for Georgia EPD Appendix I and CCR Appendix III constituents with statistically significant Mann-Whitney results at upgradient wells were updated (except for those cases discussed below) since these data represent naturally occurring groundwater quality upgradient of the facility. Additionally, the increasing shifts in concentrations were small, and in some cases resulted due to a high percentage of non-detects. Records identified with statistically significant decreases in medians between historical and compliance data sets signify lower concentrations and, subsequently, result in more conservative (i.e. lower) statistical limits; therefore, these cases were updated with more recent data.

For Georgia EPD Appendix I parameters, barium in downgradient wells GWC-29 and GWC-52 showed statistically significant differences in the median concentrations; however, the group of new measurements were similar to those observed historically as well as those observed in upgradient wells, and remain well below the respective GWPS for barium. Therefore, these records were updated with more recent data. The record for barium at upgradient well GWA-45, however, was not updated at this time due to an increase in more recent concentrations compared to historical measurements.

The more recent chromium concentrations in downgradient well GWC-52 are also observed to be increasing compared to historical measurements. While higher concentrations of chromium have been observed in upgradient well GWA-47 compared to this downgradient well, the record was not updated at this time and will be re-evaluated during the next background update.

The Mann Whitney test did not identify significant differences in medians for lead at all wells; however, it was noted that historical data prior to 2016 are variable and likely

represent a sampling or analysis error. Therefore, all historical data prior to 2016 for lead were truncated so that resulting prediction limits will be conservative (i.e. lower) from a regulatory perspective.

While the record for cobalt at downgradient well GWC-53 was updated, the overall increasing trend requires further investigation to determine whether or not the trend and the resulting prediction limit, which represent current conditions, are the result of practices at the facility or due to natural variation in groundwater quality. Two cycles of increasing and decreasing cobalt concentrations have been observed since sampling began in 2010. As mentioned above, the recent concentrations of cobalt at well GWC-53 have been decreasing, with the September 2020 observation estimated below the reporting limit and the April 2021 observation being similar to historical concentrations. However, if changing concentrations resulting from practices at the facility cannot be ruled out, trend analyses along with time series plots may be used in the future in lieu of prediction limits to monitor concentrations for this well/constituent pair over time.

All records will be re-evaluated during the next background update and if future concentrations are similar to those observed currently, the earlier portion of the records may require deselection so only more recent data are used to construct statistical limits which are reflective of present-day water quality conditions. If, however, concentrations return to historical lower levels, more recent higher measurements may be flagged as outliers and deselected prior to construction of statistical limits.

For CCR Appendix III parameters, calcium in wells GWC-29 and GWC-52 showed statistically significant increases in the median concentrations. However, the new measurements are within the range of those observed historically across the downgradient wells and are less than those observed in upgradient well GWA-45; therefore, these records were updated with more recent data. Although pH in well GWC-29 exhibited a statistically significant increase in concentrations, the magnitude of the difference was marginal compared to overall concentrations, and the record was updated with more recent data. While the Mann Whitney test identified a statistically significant difference in medians for fluoride in well GWC-51, the current observations are below the reporting limits of 0.082 mg/L and 0.1 mg/L that have been used in neighboring upgradient and downgradient wells. Additionally, the more recent measurements are all reported trace detections; therefore, this record was updated with more recent compliance measurements. A statistically significant increase was also noted for sulfate in well GWC-29, but the record for this well/constituent pair was also updated with compliance data since magnitude of the increase was miniscule relative to the concentrations. The more recent sulfate concentrations in well GWC-52, while considerably less than those observed in at least one upgradient well, are steadily

increasing. Therefore, this well/constituent pair was not updated with compliance data at this time and will be re-evaluated during the next background update.

If it is later determined that these trends or increases in concentrations are short-term or not the result of the facility, then these records may be updated. A summary of these results follows this letter, and the test results are included with the Mann Whitney test section at the end of this report. Additionally, a list of well/constituent pairs that use a truncated portion of their record also follows this report.

Statistical Analysis of Georgia EPD Appendix I Constituents – April 2021

Intrawell limits were constructed for all Georgia EPD constituents in this analysis. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent, the current assumption is that the higher downgradient concentrations are due to natural spatial variation rather than a result of practices at the landfill. The pre-waste data support this logic.

Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through September 2020 within each well for constituents with detections. The April 2021 compliance samples were compared to these intrawell background limits. As previously discussed, no statistical analyses were included for antimony and silver since they contain 100% non-detects in downgradient wells, or for individual well/constituent pairs with 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary table of the background intrawell prediction limits and exceedances follows this letter, along with the complete graphical results (Figure F). Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-45 (upgradient) and GWC-52
- Chromium: GWC-52
- Nickel: GWC-50

Two-Step Analysis

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data through April 2021 to evaluate the initial intrawell prediction limit exceedances for barium in downgradient well GWC-52, chromium in downgradient well GWC-52, and nickel in downgradient well GWC-50 (Figure G). Due to an increasing trend in the most recent data for barium at upgradient well GWA-45, observations since September 2019 in this well were not included in the interwell limit. The observations were flagged with an "L" flag and are included in the Outlier Summary which shows data that have been deselected (Figure C). The cause of this trend is pending and requires further analysis beyond the scope of this analysis. If research shows the more recent concentrations reflect natural variation, the earlier portion of the record may require deselection so that resulting limits are reflective of present-day water quality conditions. The reported measurements of barium, chromium, and nickel were within the interwell prediction limits of 0.057 mg/L, 0.045 mg/L, and 0.022 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing, decreasing, or stable (Figure I). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Barium: GWA-45 (upgradient), GWA-46 (upgradient), and GWC-52
- Chromium: GWA-22 (upgradient) and GWC-52

Decreasing:

- Barium: GWA-22 (upgradient)
- Chromium: GWA-21 (upgradient)
- Nickel: GWA-48 (upgradient)

Statistical Analysis of Appendix III Parameters – April/June 2021

Intrawell prediction limits for all Appendix III parameters, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2020. The April 2021 compliance data were compared to those limits, along with the June 2021 compliance data for pH at wells GWA-46, GWA-47, GWA-48, GWC-51, and GWC-52.

Prediction Limits

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the Appendix III prediction limits follow this letter, along with complete graphical results (Figure I). The following prediction limit exceedances were noted for Appendix III parameters:

- Calcium: GWA-47, GWA-49 (both upgradient), GWC-29, GWC-51, and GWC-52
- Chloride: GWA-45, GWA-46, GWA-47, GWA-48 (all upgradient), and GWC-51
- pH: GWA-21, GWA-45 (both upgradient), and GWC-29
- Sulfate: GWC-52

Two-Step Analysis

Following the two-step analysis procedure as mentioned above, interwell prediction limits were then constructed using pooled upgradient well data through June 2021 to evaluate the initial intrawell prediction limit exceedances for calcium in downgradient wells GWC-29, GWC-51, and GWC-52; for chloride in downgradient well GWC-51; for pH in downgradient well GWC-29; and for sulfate downgradient well GWC-52 (Figure J). The reported measurements of calcium, chloride, pH, and sulfate were within the interwell prediction limits of 45 mg/L, 13 mg/L, 7 and 5.52 SU (upper and lower limits for pH), and 180 mg/L, respectively. Therefore, no statistically significant increase (SSI) is identified, and no further action is necessary. It was noted that upgradient well GWA-45, included in the interwell background, has higher concentrations than neighboring upgradient wells, especially for several of the Appendix III constituents. For sulfate and chloride in particular, the concentrations at GWA-45 are similar to those observed at downgradient well GWC-52. Therefore, the interwell comparisons for downgradient wells at lower

concentration levels need to be interpreted cautiously and combined with the trend analysis results.

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure K). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter. No statistically significant decreasing trends were identified. The following statistically significant increasing trends were identified:

Increasing:

- Calcium: GWC-29 and GWC-52
- Chloride: GWA-46 (upgradient) and GWC-51
- pH: GWC-29
- Sulfate: GWC-52

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer PAC Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

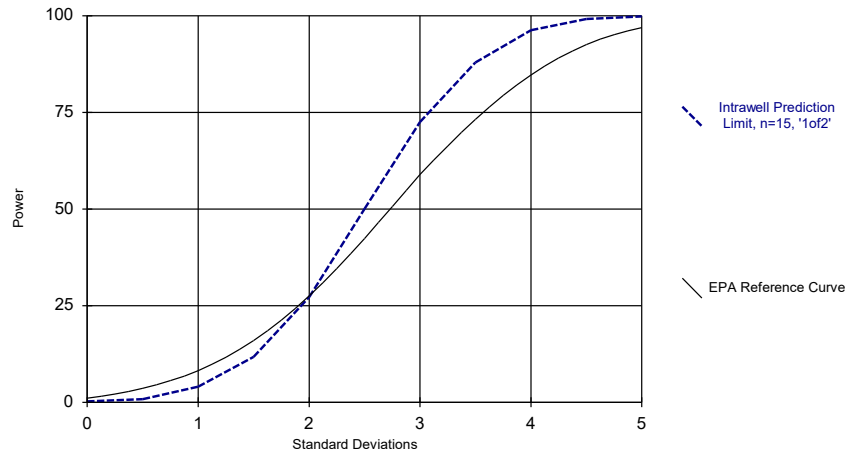


Andrew T. Collins
Project Manager



Kristina L. Rayner
Groundwater Statistician

Appendix I Intrawell Power Curve

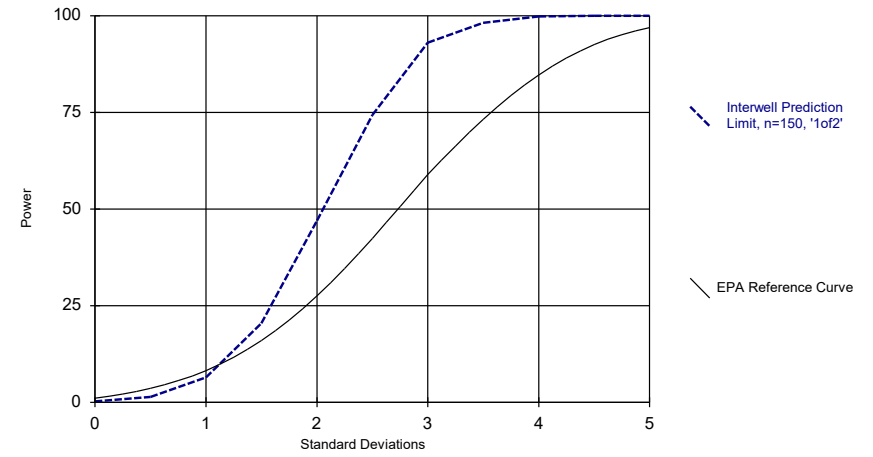


Kappa = 2.449, based on 5 compliance wells and 14 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:09 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Appendix I Interwell Power Curve

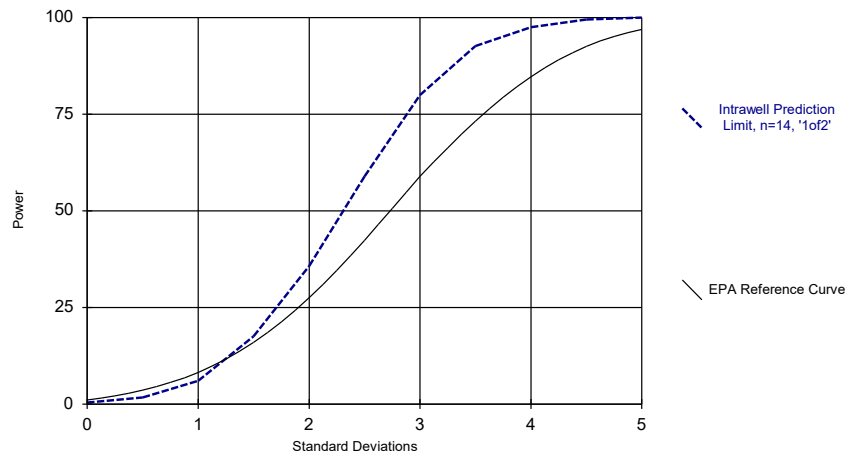


Kappa = 1.95, based on 5 compliance wells and 14 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:09 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Appendix III Intrawell Power Curve

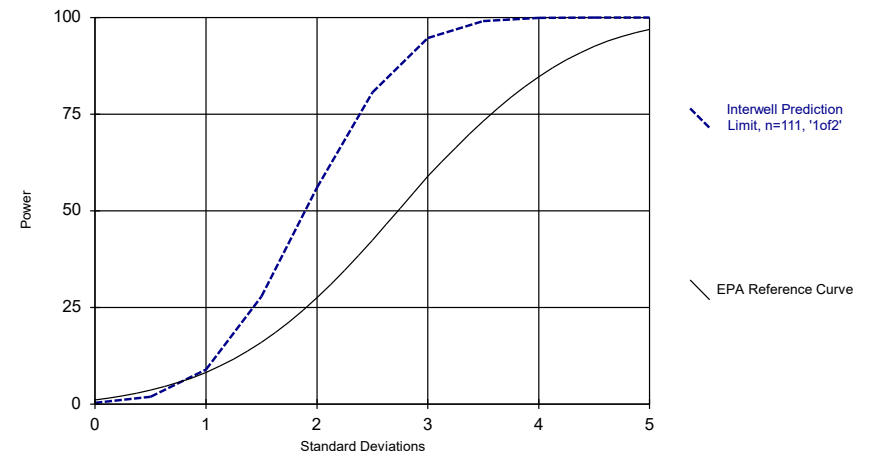


Kappa = 2.236, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:10 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Appendix III Interwell Power Curve



Kappa = 1.802, based on 5 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 6/23/2021 5:10 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

100% Non-Detects

Analysis Run 6/23/2021 4:11 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Antimony, Total (mg/L)

GWA-22, GWA-45, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

Arsenic, Total (mg/L)

GWA-21, GWA-22, GWA-46, GWA-47, GWC-51, GWC-52

Beryllium, Total (mg/L)

GWA-21, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

Boron, total (mg/L)

GWA-22, GWA-46, GWA-49, GWC-50, GWC-51, GWC-52

Cadmium, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-48, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53

Chromium, Total (mg/L)

GWA-45

Cobalt, Total (mg/L)

GWC-29, GWC-50, GWC-52

Copper, Total (mg/L)

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

Fluoride, total (mg/L)

GWC-53

Lead, Total (mg/L)

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

Mercury, Total (mg/L)

GWC-51, GWC-53

Nickel, Total (mg/L)

GWC-52

Selenium, Total (mg/L)

GWA-21, GWA-46, GWC-51

Silver, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

Thallium, Total (mg/L)

GWA-46, GWA-47, GWA-49, GWC-29, GWC-52, GWC-53

No Variation Well/Constituent Pairs

Date: 6/9/2021 12:54 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Antimony, Total (mg/L)

GWA-22, GWA-45, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

Arsenic, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWC-51, GWC-52

Beryllium, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

Boron, total (mg/L)

GWA-22, GWA-46, GWA-48, GWA-49, GWC-50, GWC-51, GWC-52

Cadmium, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-48, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53

Chromium, Total (mg/L)

GWA-45

Cobalt, Total (mg/L)

GWC-29, GWC-50, GWC-52

Copper, Total (mg/L)

GWA-46, GWA-49, GWC-29, GWC-50, GWC-52, GWC-53

Fluoride, total (mg/L)

GWC-53

Lead, Total (mg/L)

GWC-53

Mercury, Total (mg/L)

GWC-51, GWC-53

Nickel, Total (mg/L)

GWA-22, GWC-52

Selenium, Total (mg/L)

GWA-21, GWA-46, GWC-51

Silver, Total (mg/L)

GWA-21, GWA-22, GWA-45, GWA-46, GWA-47, GWA-48, GWA-49, GWC-29, GWC-50, GWC-51, GWC-52, GWC-53

Thallium, Total (mg/L)

GWA-46, GWA-47, GWA-49, GWC-29, GWC-51, GWC-52, GWC-53

Date Ranges

Date: 6/23/2021 3:54 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Barium, Total (mg/L)

GWA-45 background:12/20/2010-10/3/2018

Chromium, Total (mg/L)

GWC-52 background:12/21/2010-10/4/2018

Lead, Total (mg/L)

All Wells:4/6/2016-9/11/2020

Sulfate, total (mg/L)

GWC-52 background:4/11/2016-10/4/2018

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

Constituent	Well	Calc.	0.01	Method
Antimony, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Antimony, Total (mg/L)	GWA-46 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWA-45 (bg)	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-29	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-53	-0.5213	No	Mann-W
Barium, Total (mg/L)	GWA-21 (bg)	1.612	No	Mann-W
Barium, Total (mg/L)	GWA-22 (bg)	-1.425	No	Mann-W
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWA-47 (bg)	-0.06857	No	Mann-W
Barium, Total (mg/L)	GWA-48 (bg)	1.172	No	Mann-W
Barium, Total (mg/L)	GWA-49 (bg)	1.171	No	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-50	2.003	No	Mann-W
Barium, Total (mg/L)	GWC-51	2.381	No	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-51	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWA-47 (bg)	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Chromium, Total (mg/L)	GWA-21 (bg)	-0.5919	No	Mann-W
Chromium, Total (mg/L)	GWA-22 (bg)	1.347	No	Mann-W
Chromium, Total (mg/L)	GWA-46 (bg)	0.1643	No	Mann-W
Chromium, Total (mg/L)	GWA-47 (bg)	-0.03286	No	Mann-W
Chromium, Total (mg/L)	GWA-48 (bg)	-0.2958	No	Mann-W
Chromium, Total (mg/L)	GWA-49 (bg)	0.2301	No	Mann-W
Chromium, Total (mg/L)	GWC-29	-0.3087	No	Mann-W
Chromium, Total (mg/L)	GWC-50	0.5923	No	Mann-W
Chromium, Total (mg/L)	GWC-51	1.316	No	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Chromium, Total (mg/L)	GWC-53	0.1026	No	Mann-W
Cobalt, Total (mg/L)	GWA-21 (bg)	-1.455	No	Mann-W
Cobalt, Total (mg/L)	GWA-22 (bg)	-0.4219	No	Mann-W
Cobalt, Total (mg/L)	GWA-45 (bg)	-2.25	No	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-47 (bg)	-0.9603	No	Mann-W
Cobalt, Total (mg/L)	GWA-48 (bg)	-1.427	No	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-51	-2.552	No	Mann-W
Cobalt, Total (mg/L)	GWC-53	-0.1647	No	Mann-W
Copper, Total (mg/L)	GWA-21 (bg)	2.003	No	Mann-W
Copper, Total (mg/L)	GWA-22 (bg)	-0.5893	No	Mann-W
Copper, Total (mg/L)	GWA-45 (bg)	0.7352	No	Mann-W
Copper, Total (mg/L)	GWA-47 (bg)	-2.53	No	Mann-W
Copper, Total (mg/L)	GWA-48 (bg)	-1.385	No	Mann-W
Copper, Total (mg/L)	GWC-51	-2.294	No	Mann-W
Lead, Total (mg/L)	GWA-21 (bg)	-0.2158	No	Mann-W
Lead, Total (mg/L)	GWA-22 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-45 (bg)	0.1979	No	Mann-W
Lead, Total (mg/L)	GWA-46 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-47 (bg)	-1.148	No	Mann-W
Lead, Total (mg/L)	GWA-48 (bg)	-1.94	No	Mann-W
Lead, Total (mg/L)	GWA-49 (bg)	-1.464	No	Mann-W
Lead, Total (mg/L)	GWC-29	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-50	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-51	-0.1647	No	Mann-W
Lead, Total (mg/L)	GWC-52	-1.395	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

Constituent	Well	Calc.	0.01	Method
Mercury, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-45 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-46 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-47 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-48 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-29	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-52	0.3062	No	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-46 (bg)	-2.239	No	Mann-W
Nickel, Total (mg/L)	GWA-47 (bg)	-1.574	No	Mann-W
Nickel, Total (mg/L)	GWA-48 (bg)	-2.105	No	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-29	-2.467	No	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Nickel, Total (mg/L)	GWC-53	0.8538	No	Mann-W
Selenium, Total (mg/L)	GWA-22 (bg)	0.6723	No	Mann-W
Selenium, Total (mg/L)	GWA-45 (bg)	0.7043	No	Mann-W
Selenium, Total (mg/L)	GWA-47 (bg)	0.3128	No	Mann-W
Selenium, Total (mg/L)	GWA-48 (bg)	0.5259	No	Mann-W
Selenium, Total (mg/L)	GWA-49 (bg)	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-29	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-50	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-52	0.9566	No	Mann-W
Selenium, Total (mg/L)	GWC-53	0.6723	No	Mann-W
Thallium, Total (mg/L)	GWA-21 (bg)	0.5145	No	Mann-W
Thallium, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Thallium, Total (mg/L)	GWA-45 (bg)	-0.9168	No	Mann-W
Thallium, Total (mg/L)	GWA-48 (bg)	-2.552	No	Mann-W
Thallium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-22 (bg)	1.621	No	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-46 (bg)	-0.1284	No	Mann-W
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.1625	No	Mann-W
Vanadium, Total (mg/L)	GWA-48 (bg)	2.536	No	Mann-W
Vanadium, Total (mg/L)	GWA-49 (bg)	1.518	No	Mann-W
Vanadium, Total (mg/L)	GWC-29	1.543	No	Mann-W
Vanadium, Total (mg/L)	GWC-50	-0.8783	No	Mann-W
Vanadium, Total (mg/L)	GWC-51	0.4492	No	Mann-W
Vanadium, Total (mg/L)	GWC-52	-1.528	No	Mann-W
Vanadium, Total (mg/L)	GWC-53	0.3795	No	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W
Zinc, Total (mg/L)	GWA-22 (bg)	1.94	No	Mann-W
Zinc, Total (mg/L)	GWA-45 (bg)	1.289	No	Mann-W
Zinc, Total (mg/L)	GWA-46 (bg)	-0.9853	No	Mann-W
Zinc, Total (mg/L)	GWA-47 (bg)	-1.845	No	Mann-W
Zinc, Total (mg/L)	GWA-48 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWA-49 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-29	2.065	No	Mann-W
Zinc, Total (mg/L)	GWC-50	-0.3463	No	Mann-W
Zinc, Total (mg/L)	GWC-51	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-52	1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-53	0.4297	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron, total (mg/L)	GWA-21 (bg)	-0.7724	No	Mann-W
Boron, total (mg/L)	GWA-45 (bg)	2.415	No	Mann-W
Boron, total (mg/L)	GWA-47 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-29	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-53	1.254	No	Mann-W
Calcium, total (mg/L)	GWA-21 (bg)	0.8501	No	Mann-W
Calcium, total (mg/L)	GWA-22 (bg)	0	No	Mann-W
Calcium, total (mg/L)	GWA-45 (bg)	0.2616	No	Mann-W
Calcium, total (mg/L)	GWA-46 (bg)	1.244	No	Mann-W
Calcium, total (mg/L)	GWA-47 (bg)	1.916	No	Mann-W
Calcium, total (mg/L)	GWA-48 (bg)	1.176	No	Mann-W
Calcium, total (mg/L)	GWA-49 (bg)	0.9253	No	Mann-W
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-50	1.839	No	Mann-W
Calcium, total (mg/L)	GWC-51	2.17	No	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Calcium, total (mg/L)	GWC-53	1.788	No	Mann-W
Chloride, Total (mg/L)	GWA-21 (bg)	0.7848	No	Mann-W
Chloride, Total (mg/L)	GWA-22 (bg)	-1.378	No	Mann-W
Chloride, Total (mg/L)	GWA-45 (bg)	0.9324	No	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Chloride, Total (mg/L)	GWA-47 (bg)	0.06685	No	Mann-W
Chloride, Total (mg/L)	GWA-48 (bg)	0.07223	No	Mann-W
Chloride, Total (mg/L)	GWA-49 (bg)	-0.8715	No	Mann-W
Chloride, Total (mg/L)	GWC-29	-1.993	No	Mann-W
Chloride, Total (mg/L)	GWC-50	-0.2077	No	Mann-W
Chloride, Total (mg/L)	GWC-51	2.494	No	Mann-W
Chloride, Total (mg/L)	GWC-52	-0.7102	No	Mann-W
Chloride, Total (mg/L)	GWC-53	2.574	No	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-45 (bg)	-1.773	No	Mann-W
Fluoride, total (mg/L)	GWA-46 (bg)	-0.7724	No	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-50	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWA-21 (bg)	1.768	No	Mann-W
pH (S.U.)	GWA-22 (bg)	0.6379	No	Mann-W
pH (S.U.)	GWA-45 (bg)	0.1705	No	Mann-W
pH (S.U.)	GWA-46 (bg)	1.931	No	Mann-W
pH (S.U.)	GWA-47 (bg)	0.9751	No	Mann-W
pH (S.U.)	GWA-48 (bg)	0.6815	No	Mann-W
pH (S.U.)	GWA-49 (bg)	0.5108	No	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
pH (S.U.)	GWC-50	-1.763	No	Mann-W
pH (S.U.)	GWC-51	1.545	No	Mann-W
pH (S.U.)	GWC-52	1.016	No	Mann-W
pH (S.U.)	GWC-53	1.369	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Sulfate, total (mg/L)	GWA-21 (bg)	-1.373	No	Mann-W
Sulfate, total (mg/L)	GWA-22 (bg)	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWA-45 (bg)	1.269	No	Mann-W
Sulfate, total (mg/L)	GWA-46 (bg)	-1.632	No	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWA-48 (bg)	1.787	No	Mann-W
Sulfate, total (mg/L)	GWA-49 (bg)	-1.479	No	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-50	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWC-51	1.788	No	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Sulfate, total (mg/L)	GWC-53	2.286	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-22 (bg)	0.4578	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-45 (bg)	2.494	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-46 (bg)	1.504	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-47 (bg)	1.766	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-48 (bg)	1.914	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-49 (bg)	2.546	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-29	1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-50	0.4574	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-51	0.9243	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-52	2.295	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-53	2.093	No	Mann-W

Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	n/a	4/2/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.00031J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	4/6/2021	0.001ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02935	n/a	4/2/2021	0.02	No	27	0.0227	0.00306	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.02993	n/a	4/2/2021	0.023	No	28	0.02437	0.00257	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.02282	n/a	4/5/2021	0.022	No	27	0.01947	0.001543	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-47	0.045	n/a	4/5/2021	0.028	No	27	n/a	n/a	0	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	4/5/2021	0.015	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02233	n/a	4/6/2021	0.02	No	28	0.01933	0.001391	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.01961	n/a	4/6/2021	0.018	No	28	0.01603	0.001661	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-50	0.014	n/a	4/6/2021	0.013	No	28	0.0001382	0.00002671	0	None	x^2	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.01222	n/a	4/5/2021	0.01	No	28	0.00009473	0.00002527	3.571	None	x^2	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-53	0.11	n/a	4/6/2021	0.041	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Beryllium, Total (mg/L)	GWA-22	0.0025	n/a	4/2/2021	0.00019J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	4/6/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008995	n/a	4/2/2021	0.0029	No	28	0.05889	0.01663	14.29	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01164	n/a	4/2/2021	0.01	No	28	0.006711	0.002282	7.143	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.0088	n/a	4/5/2021	0.0041	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	4/5/2021	0.0084	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	4/5/2021	0.0061	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009199	n/a	4/6/2021	0.0055	No	28	0.07829	0.008154	3.571	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	n/a	4/6/2021	0.0044	No	28	0.004525	0.0008434	7.143	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005825	n/a	4/5/2021	0.0054	No	28	0.003553	0.001051	10.71	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	4/2/2021	0.00016J	No	28	n/a	n/a	64.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	4/2/2021	0.00026J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01078	n/a	4/2/2021	0.002J	No	28	0.1408	0.03707	25	Kaplan-Meier	x^(1/3)	0.0007523	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	4/5/2021	0.00017J	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	n/a	4/5/2021	0.00019J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	4/6/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.0002J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01667	n/a	4/6/2021	0.0062	No	28	0.008496	0.003782	7.143	None	No	0.0007523	Param Intra 1 of 2
Copper, Total (mg/L)	GWA-21	0.0023	n/a	4/2/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-22	0.003	n/a	4/2/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	n/a	4/2/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	n/a	4/5/2021	0.0019J	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	n/a	4/5/2021	0.00093J	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	n/a	4/5/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0022	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00018J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.0016	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.001	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0015	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	4/2/2021	0.00046J	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00049J	No	22	n/a	n/a	100	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	4/2/2021	0.00077J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	4/5/2021	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	4/5/2021	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	4/5/2021	0.00034J	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	4/6/2021	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	4/6/2021	0.0042	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.002	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008258	n/a	4/6/2021	0.0072	No	23	0.006804	0.0006526	8.696	None	No	0.0007523	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	4/2/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	4/2/2021	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	4/2/2021	0.00016J	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00036J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	n/a	4/2/2021	0.001ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.00043J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-51	0.001	n/a	4/5/2021	0.00022J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0031	n/a	4/2/2021	0.0029	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	4/2/2021	0.0045	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	4/2/2021	0.0014	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.006504	n/a	4/5/2021	0.003	No	22	0.05801	0.01008	18.18	Kaplan-Meier	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.0299	n/a	4/5/2021	0.0085	No	23	0.1014	0.03211	8.696	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02341	n/a	4/5/2021	0.019	No	22	0.01572	0.003424	4.545	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02263	n/a	4/6/2021	0.021	No	23	0.01862	0.0018	0	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.007283	n/a	4/6/2021	0.0045	No	23	0.004774	0.001126	8.696	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.004715	n/a	4/6/2021	0.0026	No	23	0.003096	0.0007265	39.13	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.007316	n/a	4/5/2021	0.0059	No	23	0.004446	0.001288	21.74	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01371	n/a	4/5/2021	0.011	No	23	0.01109	0.001178	8.696	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	4/6/2021	0.001ND	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	4/2/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.0085	n/a	4/2/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0098	n/a	4/2/2021	0.0058	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	4/5/2021	0.0049J	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.0058	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0076	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0073	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02028	n/a	4/6/2021	0.014	No	22	0.01392	0.002833	0	None	No	0.0007523	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 1:31 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWC-52	0.057	n/a	4/5/2021	0.019	No	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	4/5/2021	0.031	No	201	n/a	n/a	19.4	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	4/6/2021	0.0019	No	165	n/a	n/a	81.21	n/a	n/a	0.00007258	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 12:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 12:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004836	112	131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-47 (bg)	-0.001051	-101	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-28	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-28	-139	No	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	124	No	27	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00005196	57	139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003293	-56	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004164	-104	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00005362	-38	-139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-21 (bg)	0	-78	-98	No	23	82.61	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-22	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-76	-105	No	24	83.33	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-16	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-52	-105	No	24	66.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-49 (bg)	0	-37	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-34	-105	No	24	83.33	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-21	0.08	n/a	4/2/2021	0.08ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.23	n/a	4/2/2021	1.1	No	15	0.5984	0.288	0	None	No	0.001504	Param Intra 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	4/5/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	4/5/2021	0.044J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	4/6/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.103	n/a	4/6/2021	0.97	No	15	0.9376	0.0752	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-21	11.54	n/a	4/2/2021	9.2	No	15	8.885	1.213	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-22	9.681	n/a	4/2/2021	9	No	15	6.973	1.235	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-45	46.75	n/a	4/2/2021	29	No	15	36.75	4.558	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-46	7.002	n/a	4/5/2021	7	No	15	5.705	0.5914	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-48	14.32	n/a	4/5/2021	13	No	15	12.53	0.813	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-50	8.176	n/a	4/6/2021	7.7	No	15	7.156	0.465	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-53	21.11	n/a	4/6/2021	19	No	15	17.19	1.786	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-21	4.319	n/a	4/2/2021	3.7	No	15	3.296	0.4668	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-22	4.968	n/a	4/2/2021	1.8	No	15	2.927	0.9308	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-49	2.384	n/a	4/6/2021	2.1	No	15	2.072	0.1421	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-29	4.145	n/a	4/6/2021	3.3	No	14	3.393	0.3362	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-50	2.183	n/a	4/6/2021	1.9	No	15	1.953	0.105	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-52	8.538	n/a	4/5/2021	8.2	No	14	7.9	0.2855	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-53	13	n/a	4/6/2021	13	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-21	0.082	n/a	4/2/2021	0.028J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	4/2/2021	0.032J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.1	n/a	4/2/2021	0.1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	4/5/2021	0.039J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	4/5/2021	0.038J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	4/5/2021	0.031J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	4/6/2021	0.03J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	4/6/2021	0.031J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.1	n/a	4/6/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.1	n/a	4/5/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	4/5/2021	0.05J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-22	6.255	5.546	4/2/2021	6.03	No	18	5.901	0.1685	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-46	6.83	5.71	6/1/2021	5.8	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-47	6.578	6.308	6/1/2021	6.46	No	19	6.443	0.06488	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-48	6.953	6.562	6/1/2021	6.78	No	17	6.758	0.09196	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-49	7.057	6.66	4/6/2021	6.87	No	17	6.858	0.09329	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-50	5.967	5.667	4/6/2021	5.76	No	18	5.817	0.07136	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-51	5.975	5.734	6/2/2021	5.87	No	18	5.854	0.05721	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-52	6.787	6.516	6/2/2021	6.6	No	18	6.652	0.06447	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-53	5.76	5.427	4/6/2021	5.67	No	17	5.594	0.07834	0	None	No	0.000752	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	GWA-21	2.559	n/a	4/2/2021	0.99J	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	4/2/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	183.3	n/a	4/2/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.689	n/a	4/5/2021	1.3	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	3.367	n/a	4/6/2021	2.5	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	2.7	n/a	4/5/2021	1.7	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-53	186.4	n/a	4/6/2021	160	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	129.8	n/a	4/2/2021	100	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	105.2	n/a	4/2/2021	69	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	366.7	n/a	4/2/2021	360	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	94.72	n/a	4/5/2021	46	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	118.4	n/a	4/5/2021	63	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	126.5	n/a	4/5/2021	99	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	131.2	n/a	4/6/2021	110	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	139.5	n/a	4/6/2021	110	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	119.1	n/a	4/6/2021	49	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	108.7	n/a	4/5/2021	66	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	193.6	n/a	4/5/2021	170	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	332.3	n/a	4/6/2021	250	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	45	n/a	4/6/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	45	n/a	4/5/2021	8	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	4/5/2021	21	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	13	n/a	4/5/2021	7.8	No	111	n/a	n/a	0	n/a	n/a	0.0001613	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	4/6/2021	6.3	No	132	n/a	n/a	0	n/a	n/a	0.0002277	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	180	n/a	4/5/2021	57	No	112	n/a	n/a	45.54	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

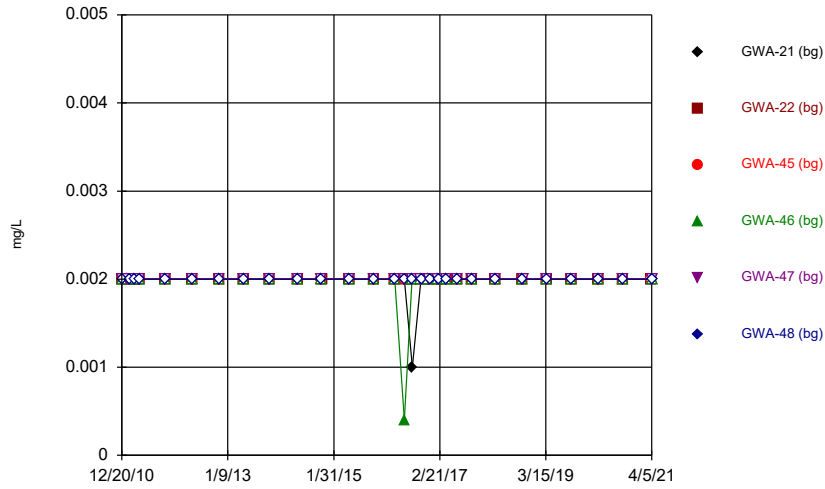
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1777	19	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0.04256	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	0.7613	17	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2179	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.3066	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.04002	32	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	24	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-51	0.1708	49	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-21 (bg)	0.2105	57	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4014	-51	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.2289	44	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-47 (bg)	-0.02794	-17	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.009475	-14	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.04407	-40	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-21 (bg)	0.01885	37	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01022	11	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.0171	-32	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01571	36	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.01187	49	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.005062	10	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.07864	20	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-9	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	6.88	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-23	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.03612	30	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-26	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

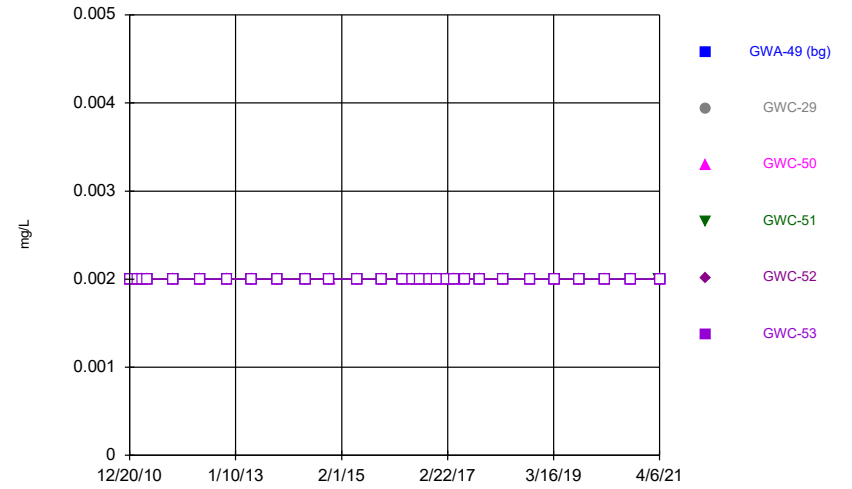
FIGURE A.

Time Series



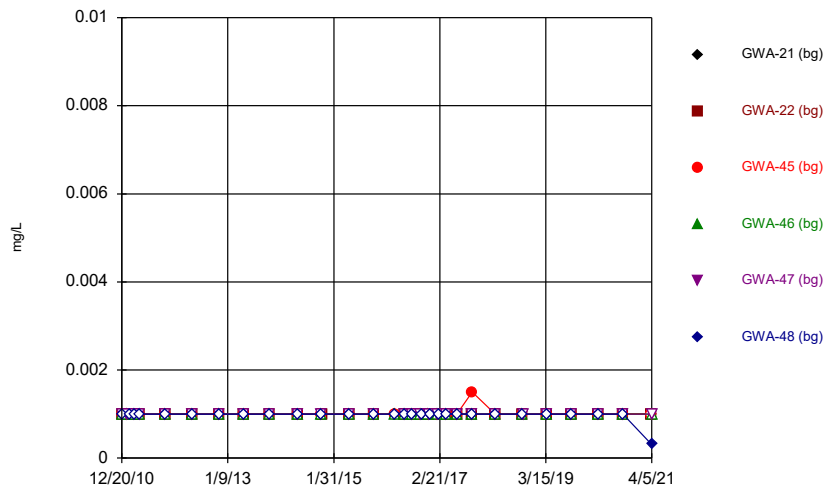
Constituent: Antimony, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



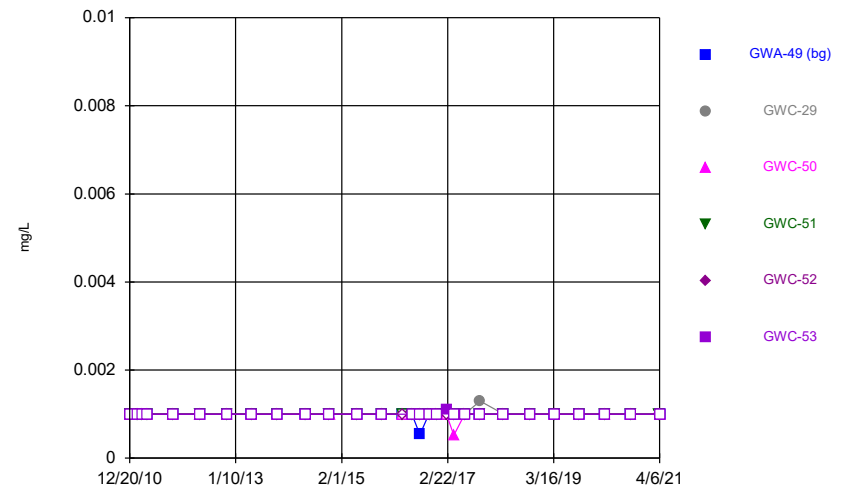
Constituent: Antimony, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



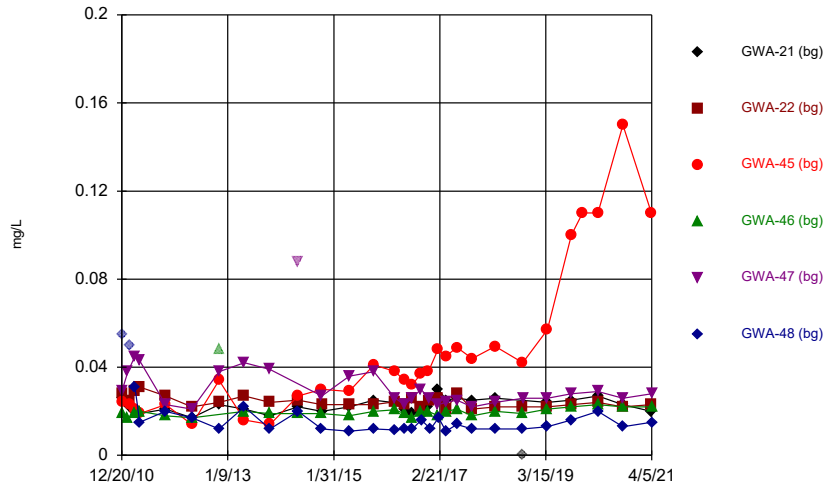
Constituent: Arsenic, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



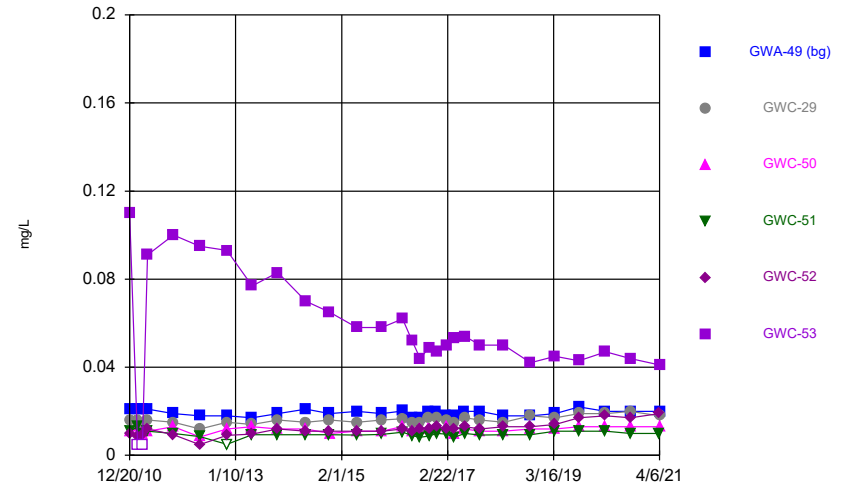
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



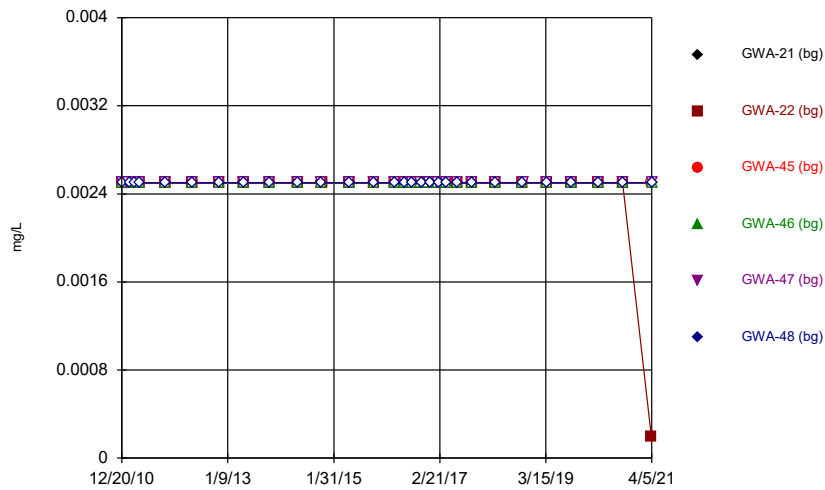
Constituent: Barium, Total Analysis Run 6/21/2021 1:41 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



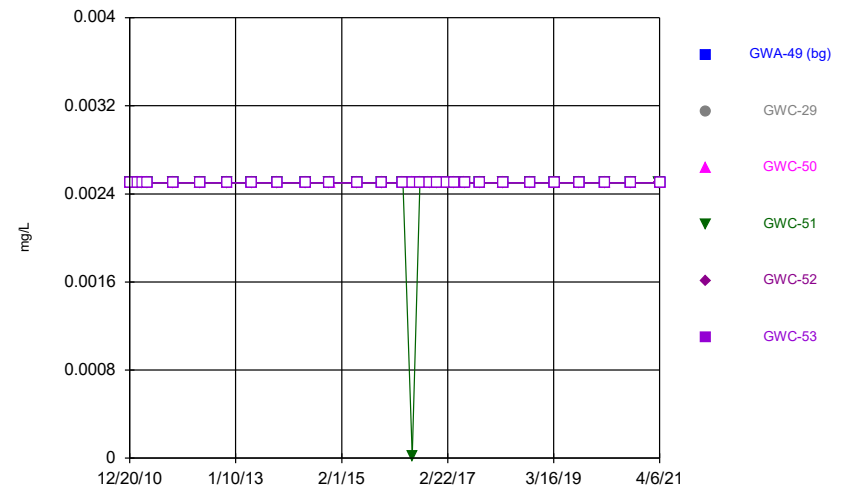
Constituent: Barium, Total Analysis Run 6/21/2021 1:41 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



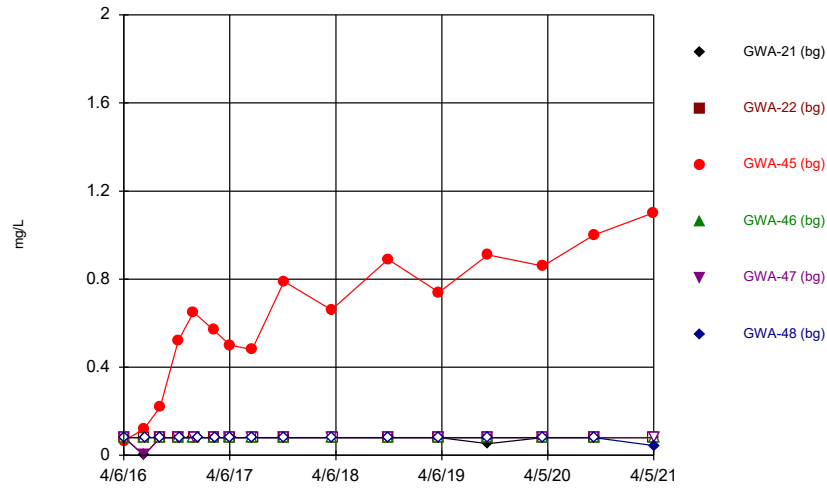
Constituent: Beryllium, Total Analysis Run 6/21/2021 1:41 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



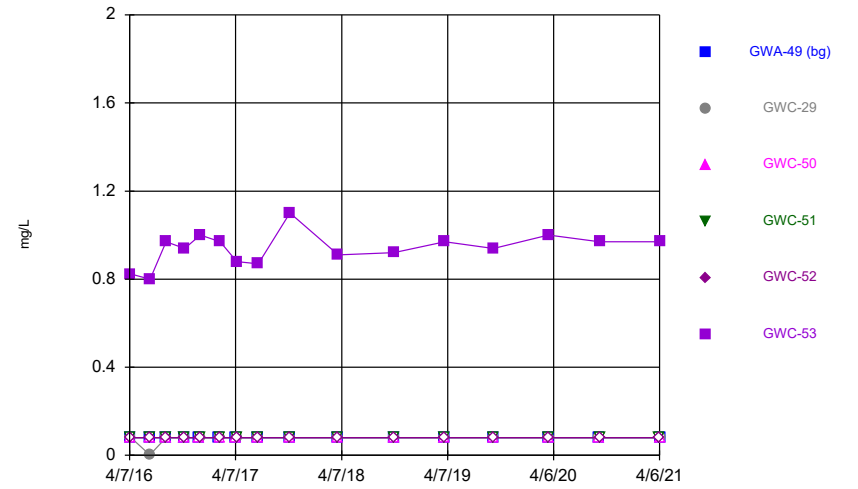
Constituent: Beryllium, Total Analysis Run 6/21/2021 1:41 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



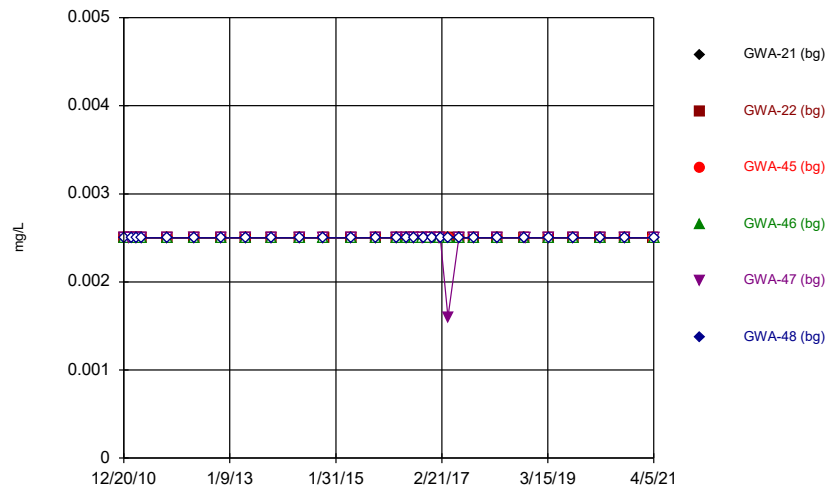
Constituent: Boron, total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



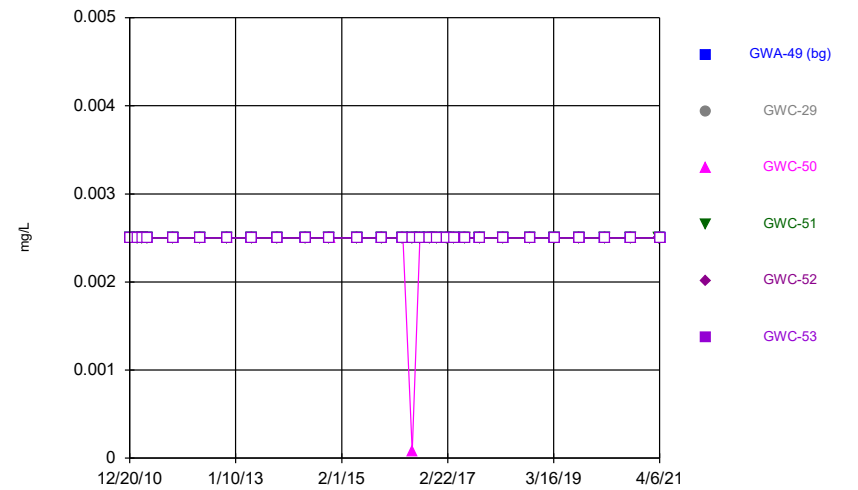
Constituent: Boron, total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



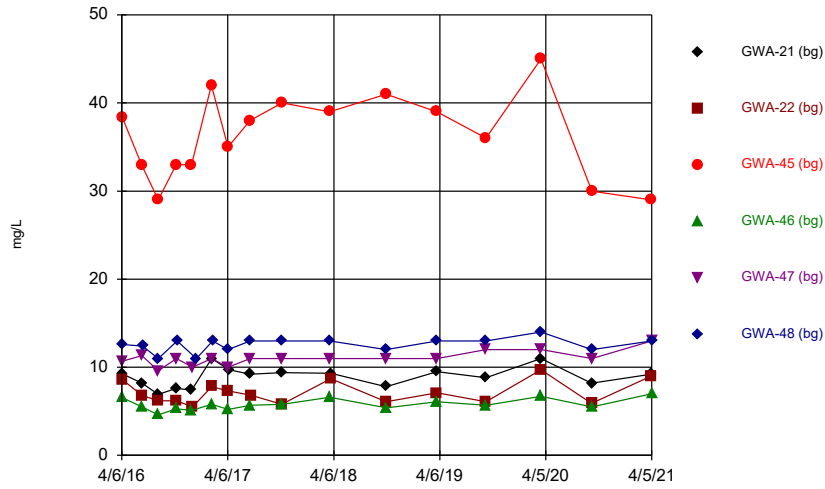
Constituent: Cadmium, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



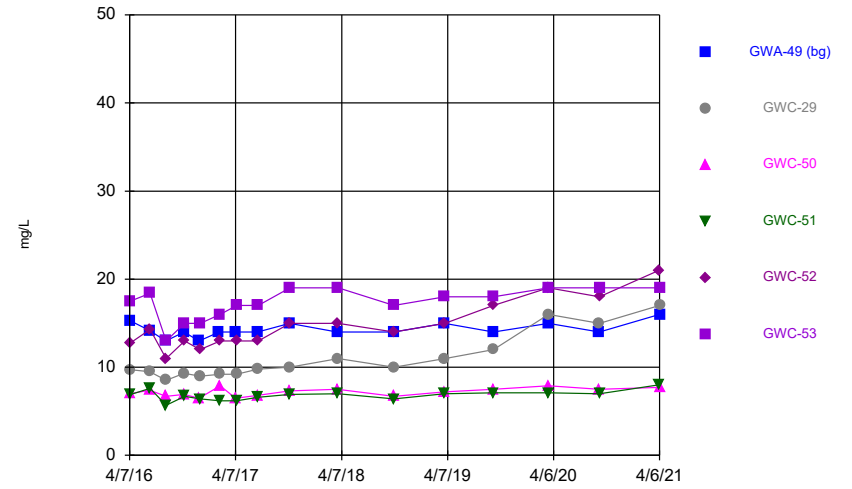
Constituent: Cadmium, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



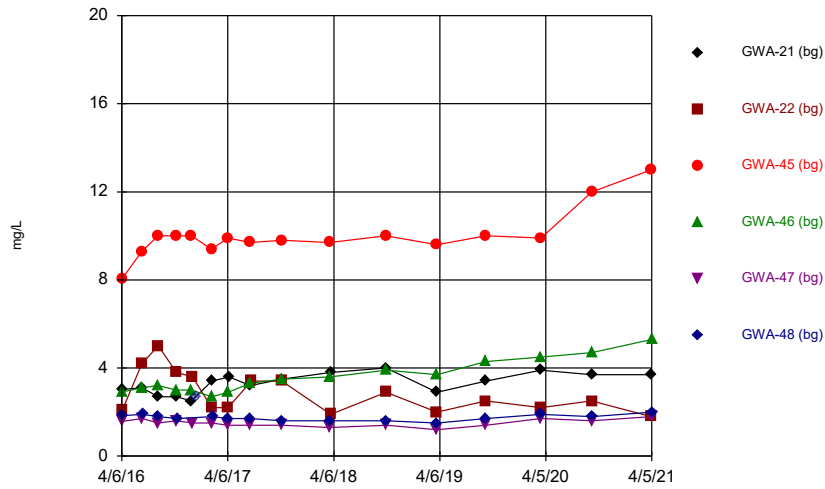
Constituent: Calcium, total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



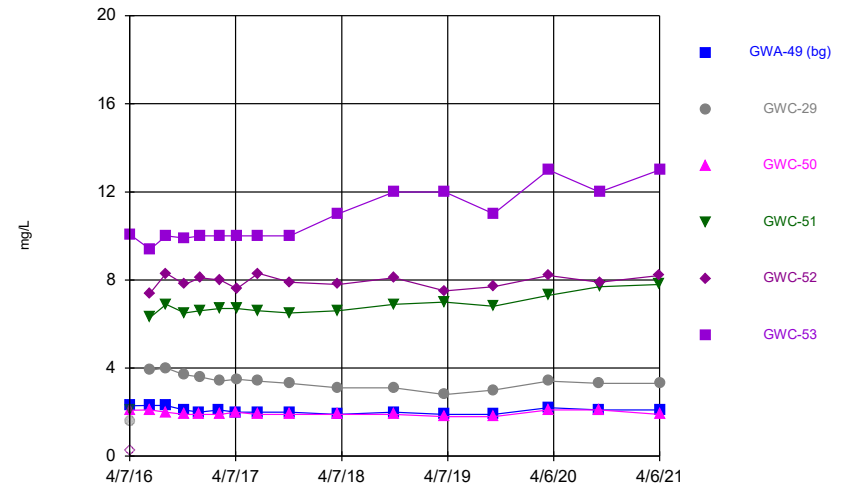
Constituent: Calcium, total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



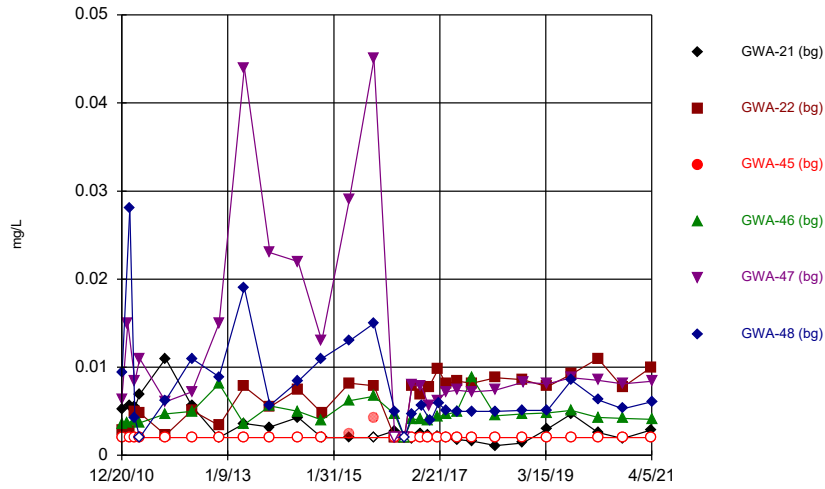
Constituent: Chloride, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



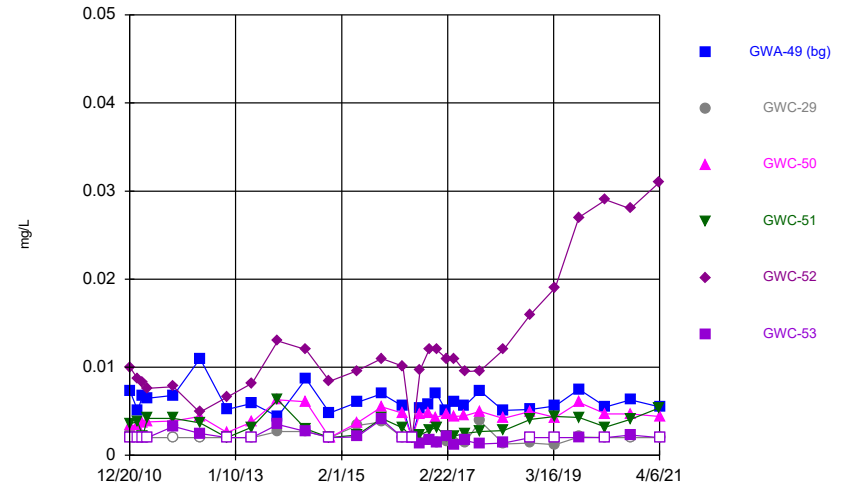
Constituent: Chloride, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



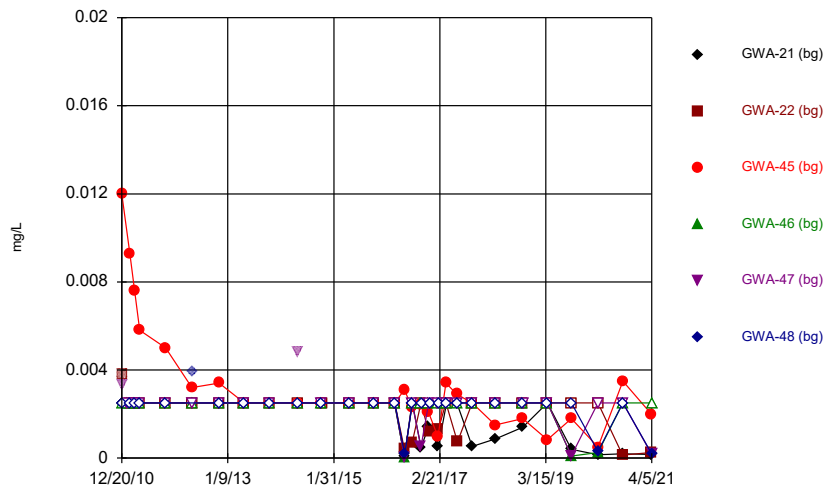
Constituent: Chromium, Total Analysis Run 6/21/2021 1:41 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



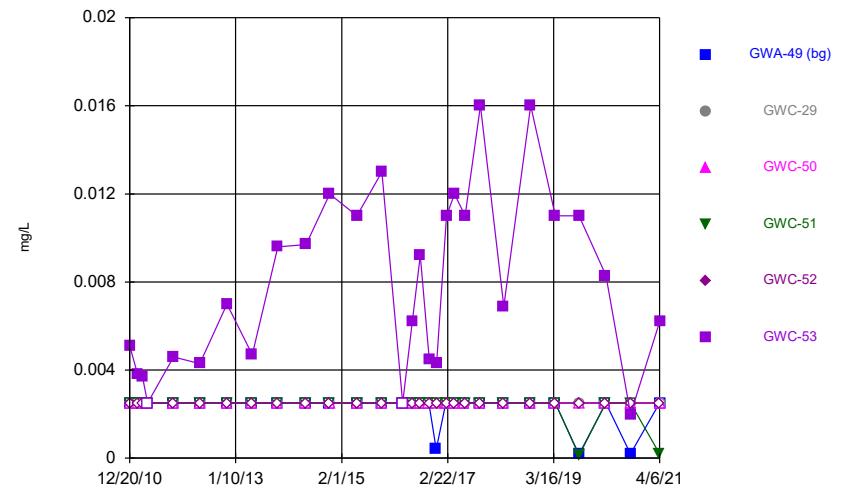
Constituent: Chromium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



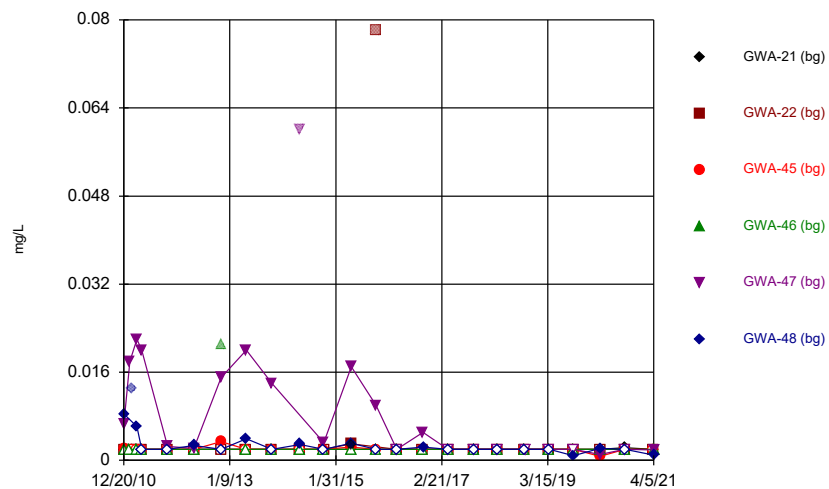
Constituent: Cobalt, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



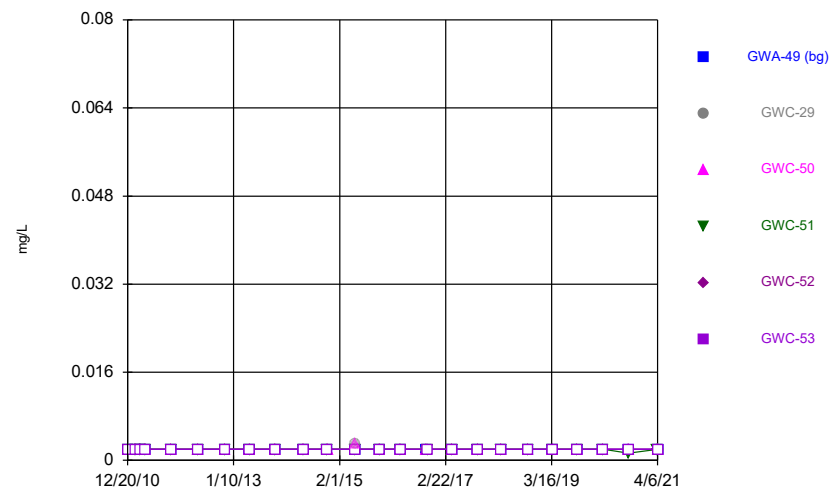
Constituent: Cobalt, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



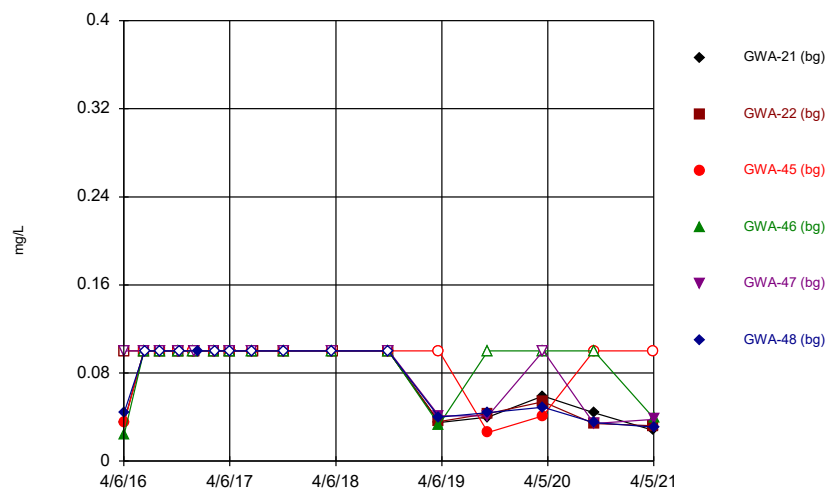
Constituent: Copper, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



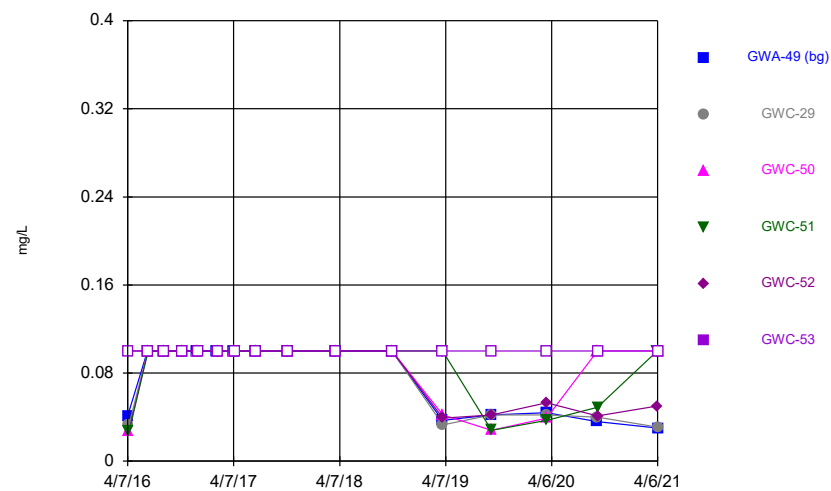
Constituent: Copper, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



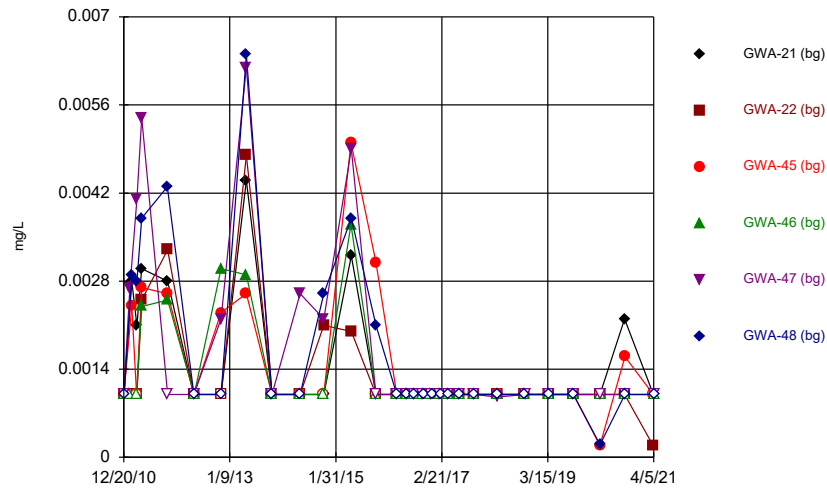
Constituent: Fluoride, total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



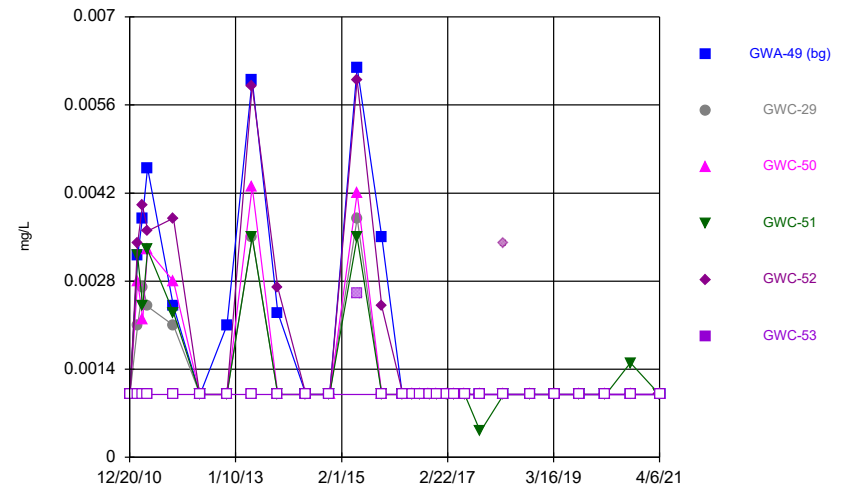
Constituent: Fluoride, total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



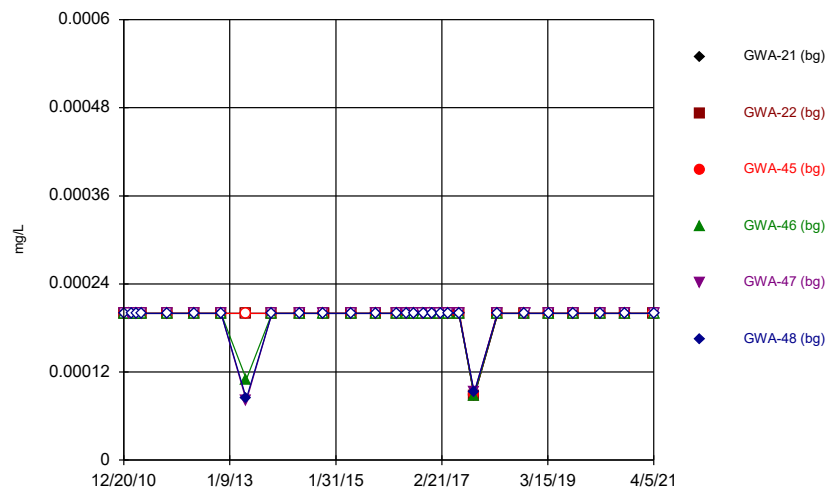
Constituent: Lead, Total Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



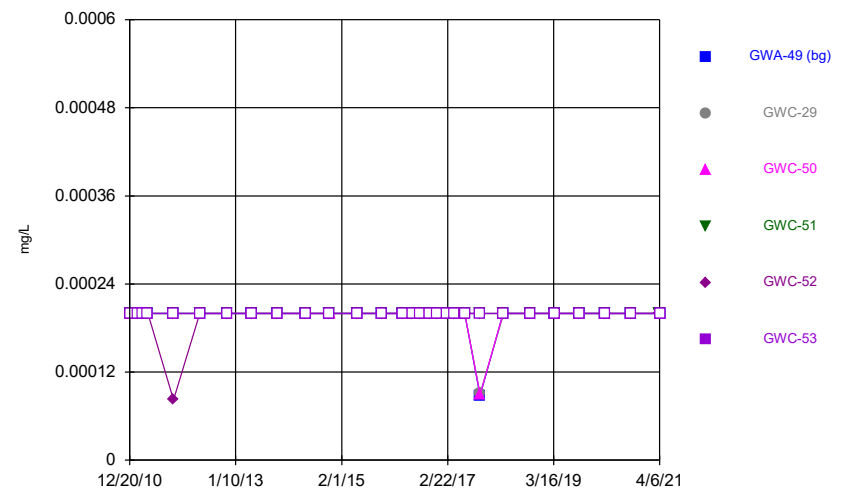
Constituent: Lead, Total Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



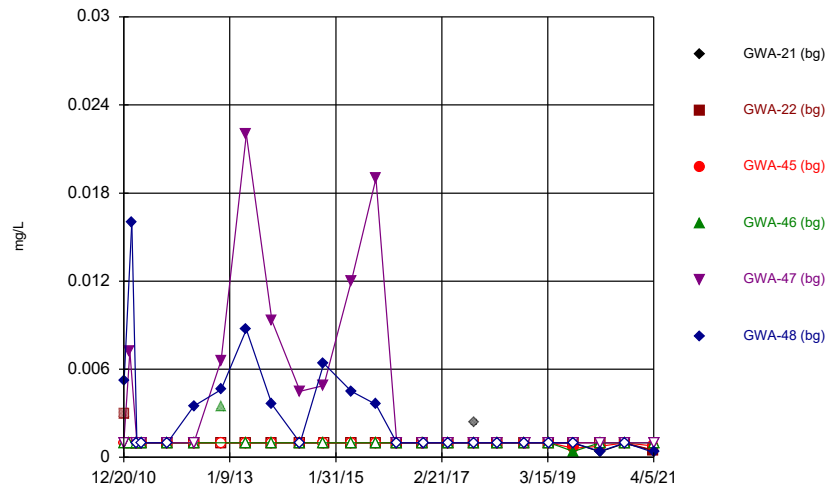
Constituent: Mercury, Total Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



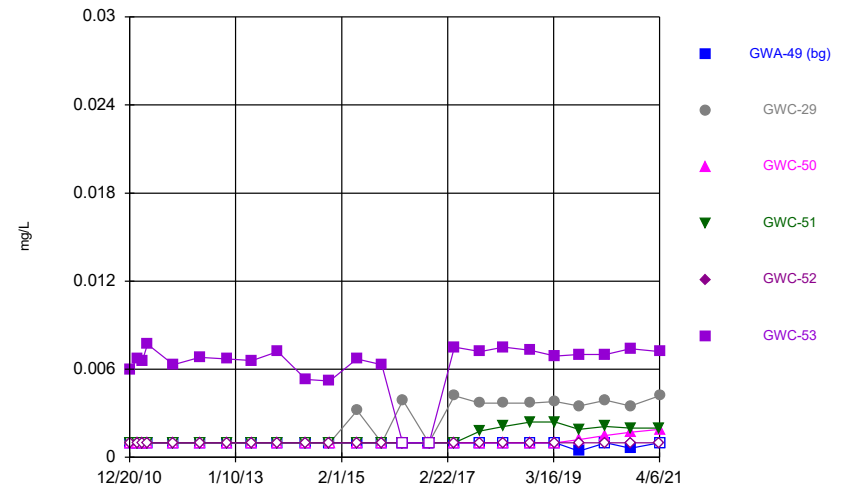
Constituent: Mercury, Total Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



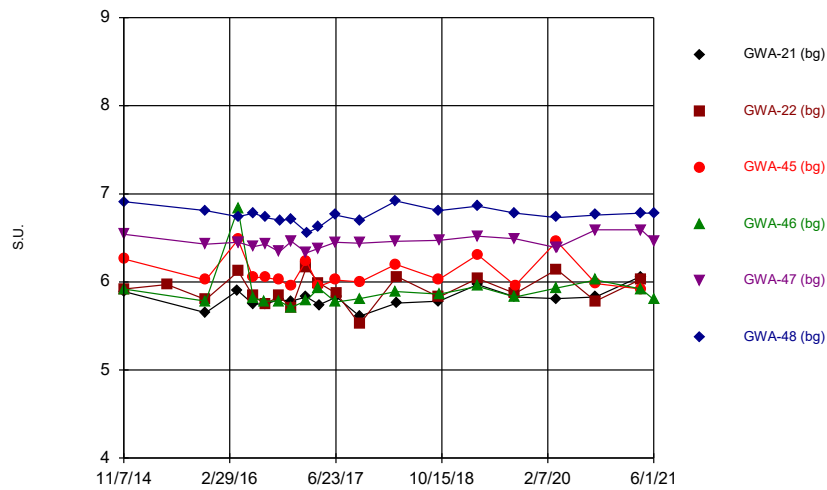
Constituent: Nickel, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



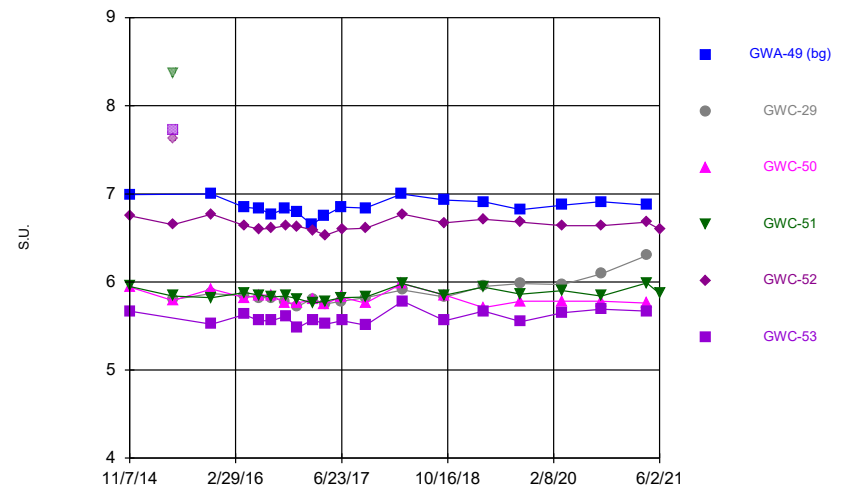
Constituent: Nickel, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



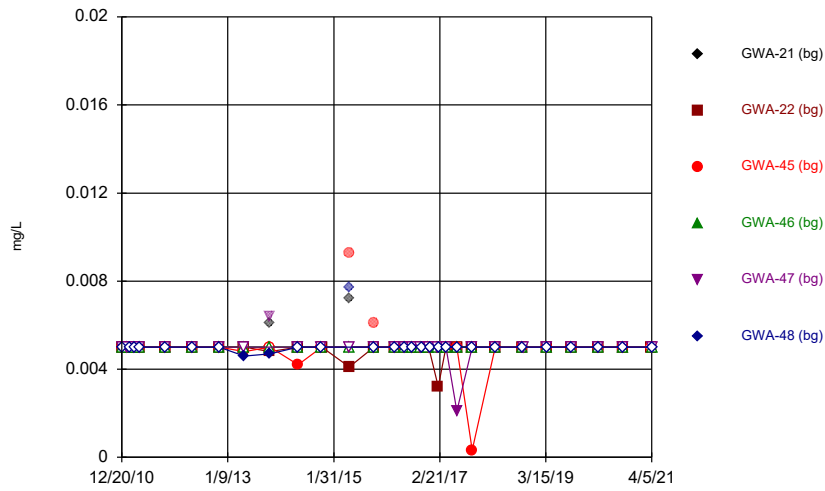
Constituent: pH Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



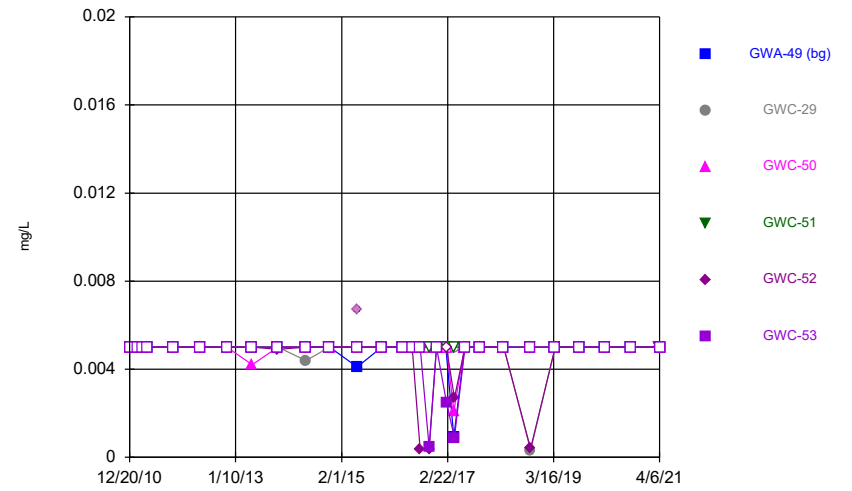
Constituent: pH Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



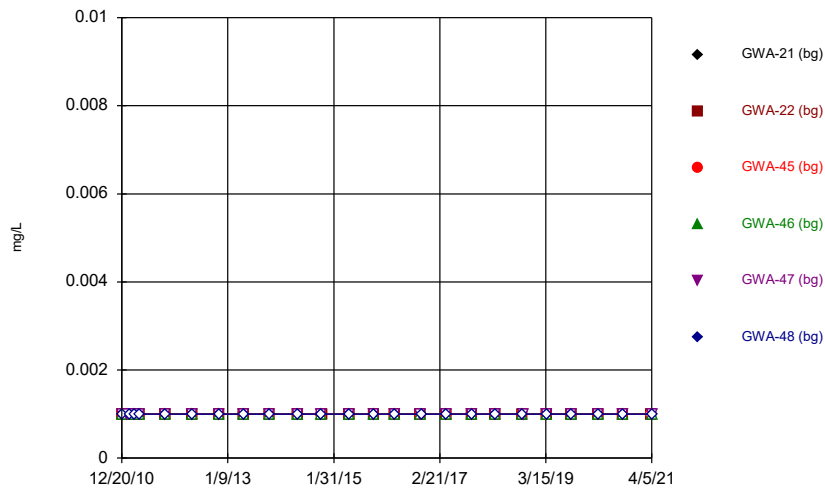
Constituent: Selenium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



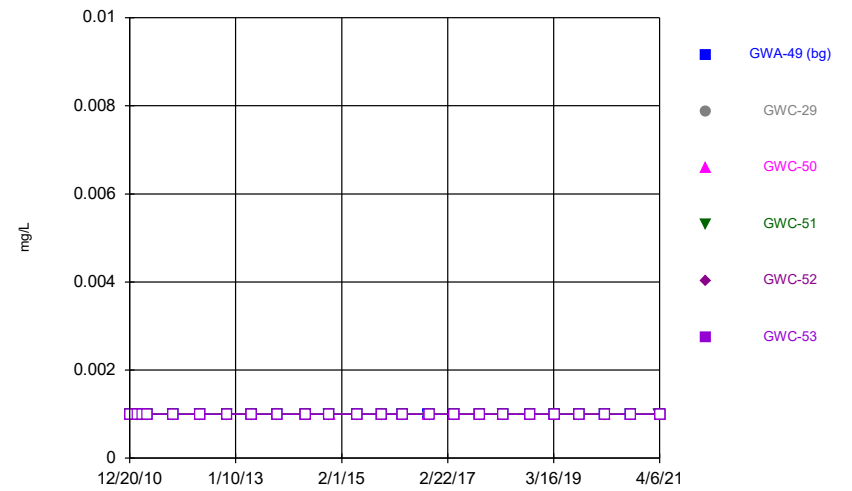
Constituent: Selenium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



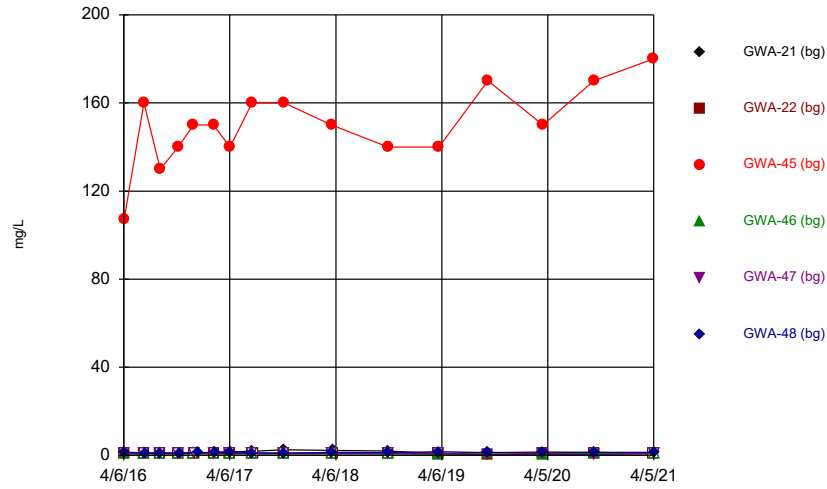
Constituent: Silver, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



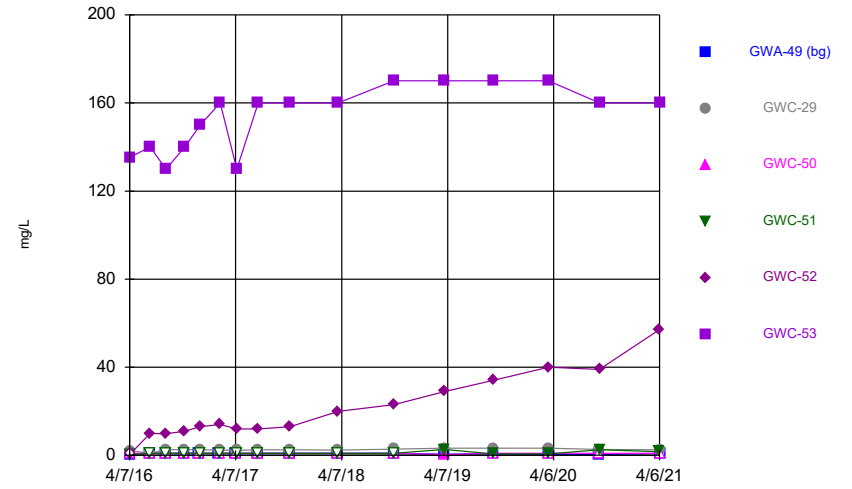
Constituent: Silver, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



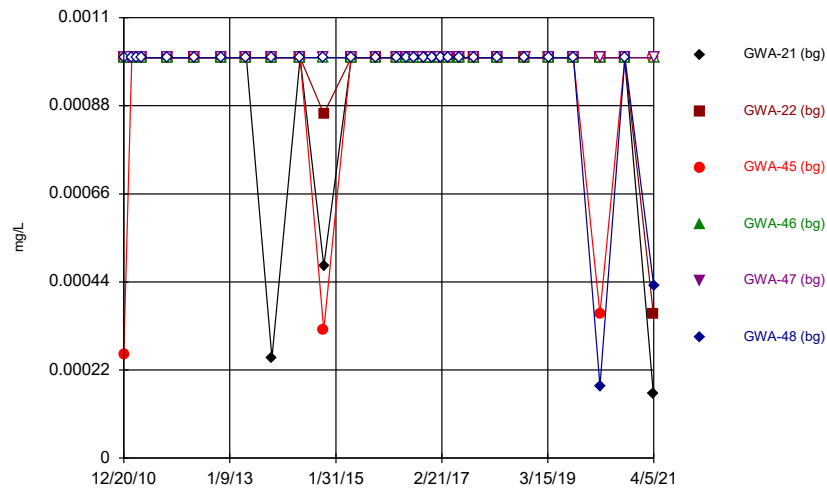
Constituent: Sulfate, total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



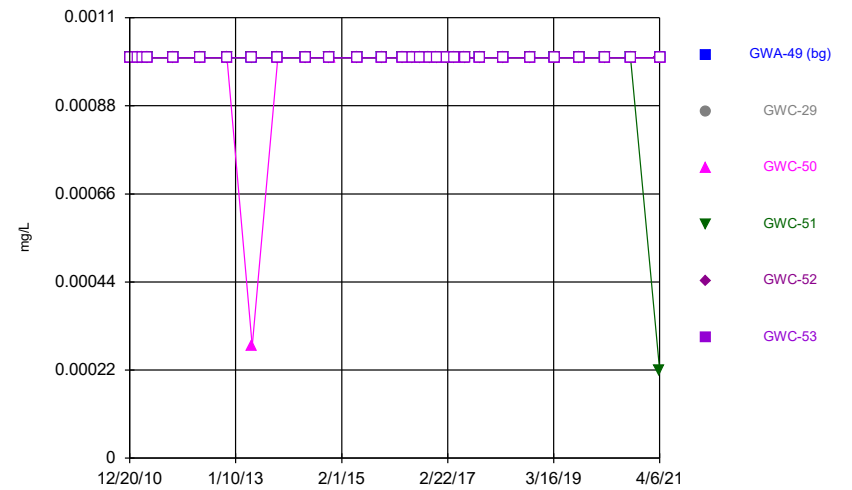
Constituent: Sulfate, total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



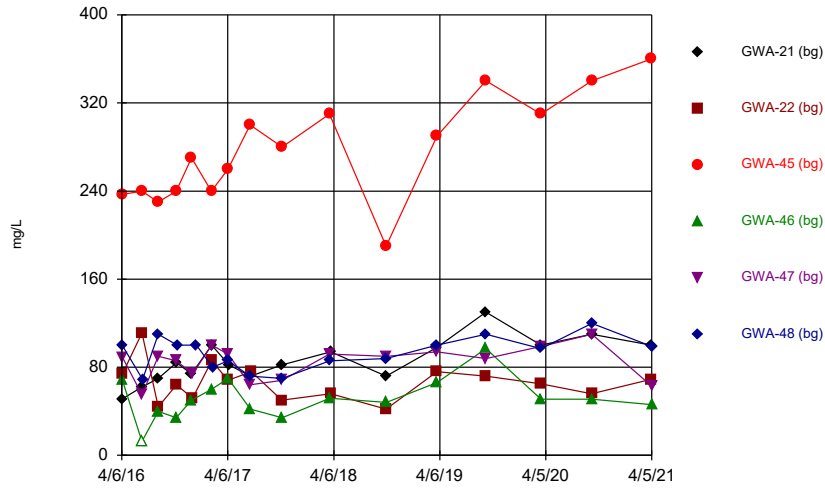
Constituent: Thallium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



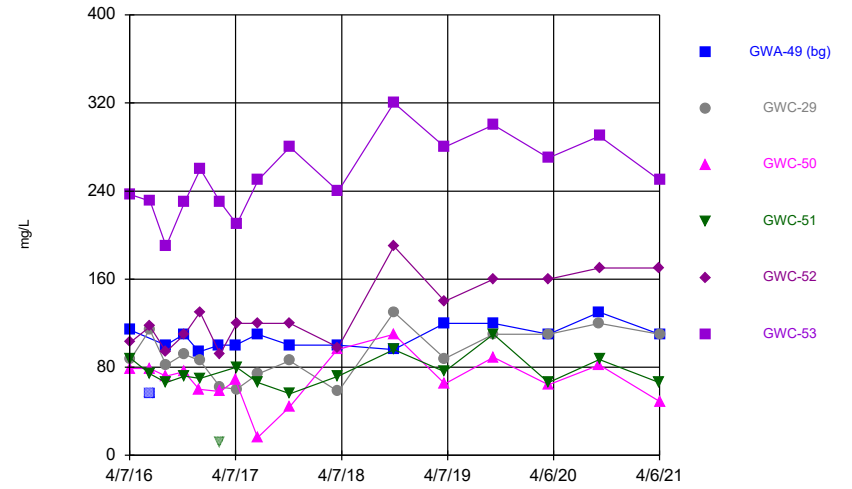
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



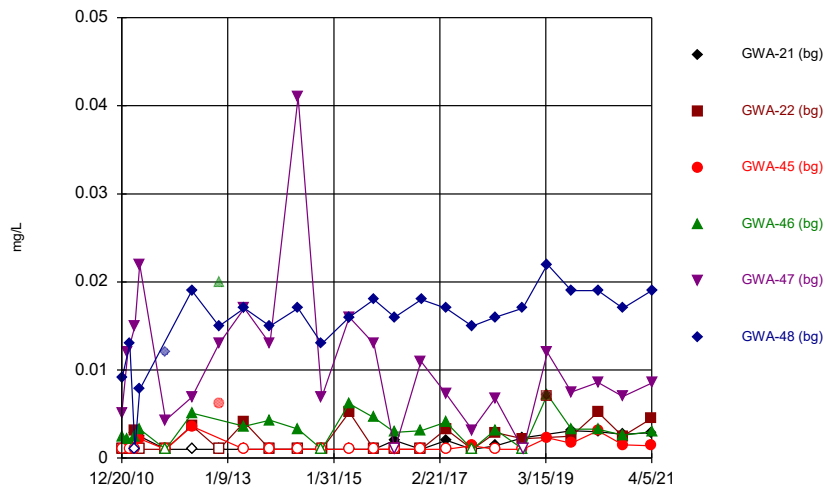
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



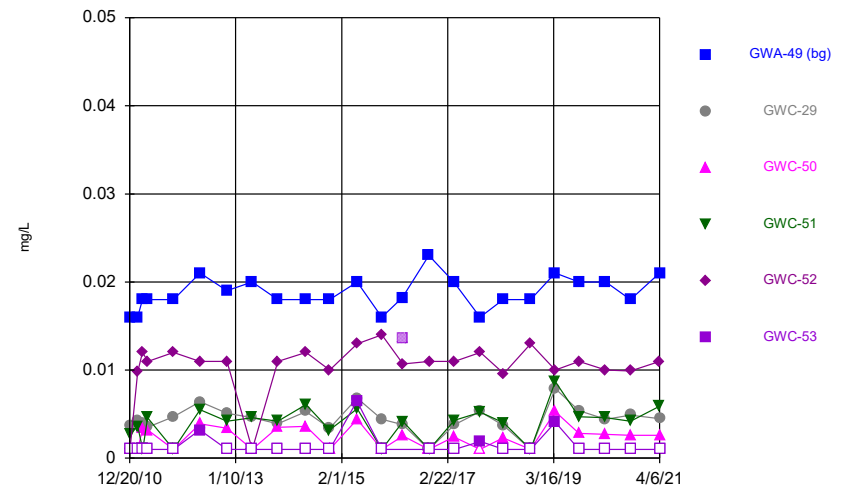
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



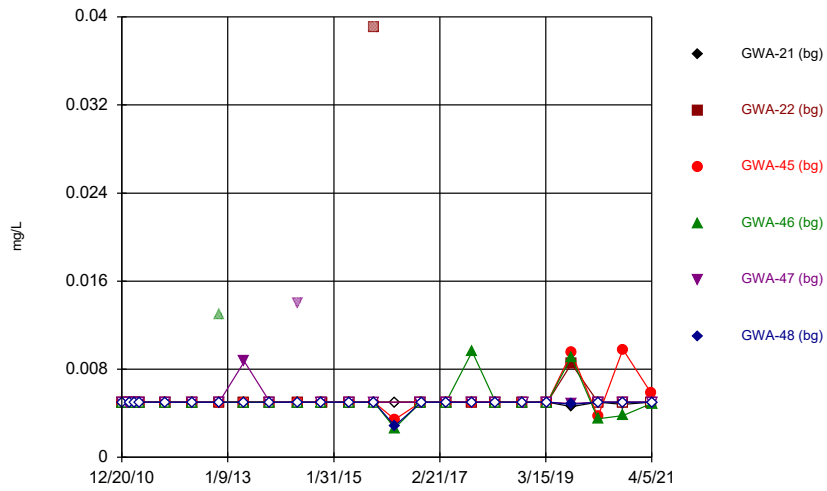
Constituent: Vanadium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



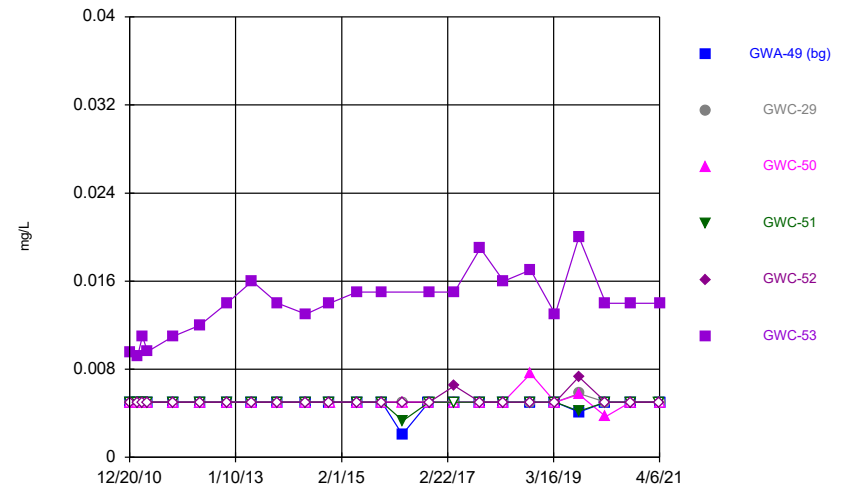
Constituent: Vanadium, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series



Constituent: Zinc, Total Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.002	<0.002	<0.002	
12/21/2010						<0.002
12/22/2010	<0.002	<0.002				
2/1/2011				<0.002	<0.002	
2/14/2011	<0.002	<0.002	<0.002			<0.002
3/21/2011			<0.002	<0.002		
3/22/2011	<0.002	<0.002				
3/23/2011					<0.002	<0.002
4/26/2011	<0.002	<0.002	<0.002	<0.002		
4/27/2011					<0.002	<0.002
10/25/2011						<0.002
10/26/2011			<0.002		<0.002	
10/27/2011	<0.002	<0.002		<0.002		
5/1/2012	<0.002	<0.002	<0.002		<0.002	<0.002
5/2/2012				<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/7/2013	<0.002	<0.002		<0.002	<0.002	<0.002
5/8/2013			<0.002			
11/4/2013	<0.002	<0.002	<0.002	<0.002		
11/5/2013					<0.002	<0.002
5/23/2014					<0.002	<0.002
5/24/2014	<0.002	<0.002	<0.002	<0.002		
11/7/2014			<0.002	<0.002	<0.002	<0.002
11/8/2014	<0.002	<0.002				
5/20/2015			<0.002	<0.002		
5/21/2015	<0.002	<0.002			<0.002	<0.002
11/12/2015					<0.002	<0.002
11/13/2015	<0.002	<0.002	<0.002	<0.002		
4/6/2016	<0.002					
4/7/2016			<0.002	<0.002		<0.002
4/8/2016		<0.002 (D)			<0.002 (D)	
6/14/2016	<0.002	<0.002	<0.002	0.0004 (J)	<0.002	
6/17/2016						<0.002
8/9/2016		<0.002	<0.002	<0.002	<0.002	
8/10/2016	0.001 (J)					<0.002
10/10/2016			<0.002	<0.002		
10/11/2016	<0.002	<0.002			<0.002	
10/14/2016						<0.002
12/2/2016	<0.002		<0.002	<0.002		
12/5/2016		<0.002			<0.002	
12/19/2016						<0.002
2/9/2017			<0.002			
2/10/2017	<0.002	<0.002		<0.002	<0.002	
2/13/2017						<0.002
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017	<0.002					
6/22/2017			<0.002		<0.002	<0.002
6/23/2017	<0.002			<0.002		
6/26/2017		<0.002				
10/9/2017	<0.002	<0.002				
10/10/2017			<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002	

Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.002		<0.002
3/26/2018	<0.002	<0.002 (D)				
10/3/2018	<0.002	<0.002	<0.002			<0.002
10/4/2018				<0.002		
10/5/2018					<0.002	
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002		<0.002
3/20/2020					<0.002	
9/10/2020	<0.002	<0.002				
9/11/2020			<0.002	<0.002	<0.002	<0.002
4/2/2021	<0.002	<0.002	<0.002			
4/5/2021				<0.002	<0.002	<0.002

Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	<0.002				<0.002	
12/22/2010		<0.002	<0.002	<0.002		
2/14/2011	<0.002					<0.002
2/15/2011		<0.002	<0.002	<0.002	<0.002	
3/21/2011	<0.002				<0.002	<0.002
3/22/2011		<0.002	<0.002	<0.002		
4/26/2011	<0.002					
4/27/2011		<0.002	<0.002	<0.002		<0.002
4/28/2011					<0.002	
10/26/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/1/2012					<0.002	<0.002
5/2/2012	<0.002	<0.002	<0.002	<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002		
11/9/2012					<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/4/2013		<0.002	<0.002	<0.002	<0.002	<0.002
11/5/2013	<0.002					
5/23/2014	<0.002					
5/24/2014		<0.002	<0.002	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002		<0.002	<0.002	<0.002
11/8/2014			<0.002			
5/20/2015						<0.002
5/21/2015	<0.002					
5/22/2015		<0.002	<0.002	<0.002	<0.002	
11/12/2015	<0.002					
11/13/2015		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2016	<0.002					
4/8/2016						<0.002 (D)
4/11/2016		<0.002	<0.002	<0.002	<0.002	
6/14/2016	<0.002					
6/15/2016		<0.002	<0.002			
6/16/2016				<0.002	<0.002	<0.002
8/9/2016	<0.002					
8/10/2016		<0.002	<0.002	<0.002		
8/11/2016					<0.002	<0.002
10/11/2016	<0.002	<0.002	<0.002			
10/13/2016				<0.002	<0.002	<0.002
12/2/2016	<0.002		<0.002			
12/5/2016		<0.002		<0.002	<0.002	
12/6/2016						<0.002
2/9/2017	<0.002					
2/13/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2017	<0.002		<0.002			
4/10/2017		<0.002		<0.002		
4/11/2017					<0.002	<0.002
6/22/2017	<0.002		<0.002			
6/23/2017		<0.002		<0.002		
6/24/2017					<0.002	<0.002
10/10/2017	<0.002	<0.002	<0.002			
10/11/2017				<0.002	<0.002	<0.002
3/22/2018	<0.002					

Time Series

Constituent: Antimony, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.002			
3/26/2018		<0.002		<0.002	<0.002	<0.002
10/3/2018	<0.002					
10/4/2018		<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002			<0.002		
3/28/2019		<0.002	<0.002		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002			
9/11/2020				<0.002	<0.002	<0.002
4/5/2021				<0.002	<0.002	
4/6/2021	<0.002	<0.002	<0.002			<0.002

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			0.0015	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	<0.001	<0.001	<0.001			
4/5/2021				<0.001	<0.001	0.00031 (J)

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	0.00053					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	0.0011
4/7/2017	<0.001		0.00052			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	0.0013	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					
3/23/2018			<0.001			

Time Series

Constituent: Arsenic, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.024 (J)	0.019 (J)	0.029 (J)	
12/21/2010						0.055 (O)
12/22/2010	0.026 (J)	0.028 (J)				
2/1/2011				0.017 (J)	0.038 (J)	
2/14/2011	0.022 (J)	0.025 (J)	0.023 (J)			0.05 (O)
3/21/2011			0.021 (J)	0.019 (J)		
3/22/2011	0.02 (J)	0.029 (J)				
3/23/2011					0.045 (J)	0.031 (J)
4/26/2011	0.019 (J)	0.031 (J)	0.019 (J)	0.02 (J)		
4/27/2011					0.043 (J)	0.015 (J)
10/25/2011						0.02
10/26/2011			0.023		0.023	
10/27/2011	0.021	0.027		0.018		
5/1/2012	0.017	0.022	0.014		0.021	0.017
5/2/2012				0.017		
11/8/2012	0.023	0.024	0.034	0.048 (O)	0.038	0.012
5/7/2013	0.021	0.027		0.02	0.042	0.022
5/8/2013			0.016			
11/4/2013	0.018	0.024	0.014	0.019		
11/5/2013					0.039	0.012
5/23/2014					0.088 (O)	0.02
5/24/2014	0.022	0.025	0.027	0.019		
11/7/2014			0.03	0.019	0.027	0.012
11/8/2014	0.02	0.023				
5/20/2015			0.029	0.018		
5/21/2015	0.022	0.023			0.036	0.011
11/12/2015					0.038	0.012
11/13/2015	0.025	0.023	0.041	0.02		
4/6/2016	0.0239					
4/7/2016			0.0381	0.0207		0.0116
4/8/2016		0.0244			0.0261	
6/14/2016	0.021	0.023	0.034	0.019	0.023	
6/17/2016						0.012
8/9/2016		0.026	0.032	0.017	0.026	
8/10/2016	0.019					0.012
10/10/2016			0.037	0.02		
10/11/2016	0.02	0.022			0.03	
10/14/2016						0.016
12/2/2016	0.022		0.038	0.02		
12/5/2016		0.025			0.026	
12/19/2016						0.012
2/9/2017			0.048			
2/10/2017	0.03	0.026		0.018	0.023	
2/13/2017						0.017
4/7/2017		0.021	0.045	0.02	0.024	0.011
4/10/2017	0.025					
6/22/2017			0.049		0.025	0.014
6/23/2017	0.026			0.021		
6/26/2017		0.028				
10/9/2017	0.025	0.021				
10/10/2017			0.044	0.018	0.022	0.012
3/22/2018			0.0495 (D)		0.024	

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				0.02		0.012
3/26/2018	0.026	0.022 (D)				
10/3/2018	0.00049 (O)	0.022	0.042			0.012
10/4/2018				0.019		
10/5/2018					0.026	
3/27/2019	0.024	0.022	0.057	0.021	0.026	0.013
9/12/2019	0.025	0.023	0.1 (L)	0.022	0.028	0.016
12/2/2019			0.11 (R,L)			
3/19/2020	0.027	0.024	0.11 (L)	0.023		0.02
3/20/2020					0.029	
9/10/2020	0.023	0.022				
9/11/2020			0.15 (L)	0.022	0.026	0.013
4/2/2021	0.02	0.023	0.11 (L)			
4/5/2021				0.022	0.028	0.015

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.11
12/21/2010	0.021 (J)				0.01 (J)	
12/22/2010		0.016 (J)	0.011 (J)	0.011 (J)		
2/14/2011	0.021 (J)					<0.01
2/15/2011		0.016 (J)	0.013 (J)	0.013 (J)	0.0086 (J)	
3/21/2011	0.021 (J)				0.009 (J)	<0.01
3/22/2011		0.014 (J)	0.01 (J)	0.01 (J)		
4/26/2011	0.021 (J)					
4/27/2011		0.016 (J)	0.011 (J)	0.011 (J)		0.091 (J)
4/28/2011					0.012 (J)	
10/26/2011	0.019	0.015	0.013	0.0099 (J)	0.0093 (J)	0.1
5/1/2012					0.0048 (J)	0.095
5/2/2012	0.018	0.012	0.0084 (J)	0.0085 (J)		
11/8/2012	0.018	0.015	0.012	<0.01		
11/9/2012					0.0091 (J)	0.093
5/8/2013	0.017	0.014	0.013	0.0094 (J)	0.0096 (J)	0.077
11/4/2013		0.016	0.012	0.0094 (J)	0.012	0.083
11/5/2013	0.019					
5/23/2014	0.021					
5/24/2014		0.015	0.012	0.0094 (J)	0.011	0.07
11/7/2014	0.019	0.016		0.0094 (J)	0.011	0.065
11/8/2014			0.01			
5/20/2015						0.058
5/21/2015	0.02					
5/22/2015		0.015	0.011	0.0092 (J)	0.011	
11/12/2015	0.019					
11/13/2015		0.016	0.011	0.0095 (J)	0.011	0.058
4/7/2016	0.0201					
4/8/2016						0.0619
4/11/2016		0.0167	0.0132	0.0105	0.012	
6/14/2016	0.017					
6/15/2016		0.015	0.011			
6/16/2016				0.0089 (J)	0.011	0.052
8/9/2016	0.017					
8/10/2016		0.015	0.012	0.0082		
8/11/2016					0.012	0.044
10/11/2016	0.02	0.017	0.012			
10/13/2016				0.0088	0.012	0.049
12/2/2016	0.02		0.012			
12/5/2016		0.017		0.01	0.013	
12/6/2016						0.047
2/9/2017	0.018					
2/13/2017		0.016	0.013	0.0097	0.012	0.05
4/7/2017	0.018		0.01			
4/10/2017		0.015		0.0082		
4/11/2017					0.012	0.053
6/22/2017	0.02		0.012			
6/23/2017		0.017		0.01		
6/24/2017					0.013	0.054
10/10/2017	0.02	0.016	0.011			
10/11/2017				0.0092	0.012	0.05
3/22/2018	0.018					

Time Series

Constituent: Barium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			0.011			
3/26/2018		0.015		0.0094	0.013	0.05
10/3/2018	0.018					
10/4/2018		0.018	0.012	0.0093	0.013	0.042
3/27/2019	0.019			0.011		
3/28/2019		0.017	0.012		0.014	0.045
9/12/2019	0.022	0.019	0.013	0.011	0.017	0.043
3/19/2020	0.02	0.019	0.013	0.011	0.018	0.047
9/10/2020	0.02	0.02	0.013			
9/11/2020				0.01	0.017	0.044
4/5/2021				0.01	0.019	
4/6/2021	0.02	0.018	0.013			0.041

Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0025	<0.0025	<0.0025	
12/21/2010						<0.0025
12/22/2010	<0.0025	<0.0025				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025
3/21/2011			<0.0025	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			<0.0025		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/17/2016						<0.0025
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			<0.0025	<0.0025		
10/11/2016	<0.0025	<0.0025			<0.0025	
10/14/2016						<0.0025
12/2/2016	<0.0025		<0.0025	<0.0025		
12/5/2016		<0.0025			<0.0025	
12/19/2016						<0.0025
2/9/2017			<0.0025			
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025					
6/22/2017			<0.0025		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		<0.0025				
10/9/2017	<0.0025	<0.0025				
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025	

Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	<0.0025	<0.0025 (D)				
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
3/20/2020					<0.0025	
9/10/2020	<0.0025	<0.0025				
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025
4/2/2021	<0.0025	0.00019 (J)	<0.0025			
4/5/2021				<0.0025	<0.0025	<0.0025

Time Series

Constituent: Beryllium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0025
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					<0.0025
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	<0.0025
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/1/2012					<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
11/8/2014			<0.0025			
5/20/2015						<0.0025
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	<0.0025			
6/16/2016				2E-05 (J)	<0.0025	<0.0025
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	<0.0025
12/2/2016	<0.0025		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						<0.0025
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	<0.0025
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025					

Time Series

Constituent: Beryllium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	<0.0025
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	<0.0025
4/5/2021				<0.0025	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	<0.08					
4/7/2016			0.0657 (J)	<0.08		<0.08
4/8/2016		<0.08			<0.08	
6/14/2016	0.0012 (J)	<0.08	0.12	<0.08	0.00079 (J)	
6/17/2016						<0.08
8/9/2016		<0.08	0.22	<0.08	<0.08	
8/10/2016	<0.08					<0.08
10/10/2016			0.52	<0.08		
10/11/2016	<0.08	<0.08			<0.08	
10/14/2016						<0.08
12/2/2016	<0.08		0.65	<0.08		
12/5/2016		<0.08			<0.08	
12/19/2016						<0.08
2/9/2017			0.57			
2/10/2017	<0.08	<0.08		<0.08	<0.08	
2/13/2017						<0.08
4/7/2017		<0.08	0.5	<0.08	<0.08	<0.08
4/10/2017	<0.08					
6/22/2017			0.48		<0.08	<0.08
6/23/2017	<0.08			<0.08		
6/26/2017		<0.08				
10/9/2017	<0.08	<0.08				
10/10/2017			0.79	<0.08	<0.08	<0.08
3/22/2018			0.66		<0.08	
3/23/2018				<0.08		<0.08
3/26/2018	<0.08	<0.08 (D)				
10/3/2018	<0.08	<0.08	0.89			<0.08
10/4/2018				<0.08		
10/5/2018					<0.08	
3/27/2019	<0.08	<0.08	0.74	<0.08	<0.08	<0.08
9/12/2019	0.053	<0.08	0.91	<0.08	<0.08	<0.08
3/19/2020	<0.08	<0.08	0.86	<0.08		<0.08
3/20/2020					<0.08	
9/10/2020	<0.08	<0.08				
9/11/2020			1	<0.08	<0.08	<0.08
4/2/2021	<0.08	<0.08	1.1			
4/5/2021				<0.08	<0.08	0.044 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	<0.08					
4/8/2016						0.824
4/11/2016		<0.08	<0.08	<0.08	<0.08	
6/14/2016	<0.08					
6/15/2016		0.0021 (J)	<0.08			
6/16/2016				<0.08	<0.08	0.8 (J)
8/9/2016	<0.08					
8/10/2016		<0.08	<0.08	<0.08		
8/11/2016					<0.08	0.97
10/11/2016	<0.08	<0.08	<0.08			
10/13/2016				<0.08	<0.08	0.94
12/2/2016	<0.08		<0.08			
12/5/2016		<0.08		<0.08	<0.08	
12/6/2016						1
2/9/2017	<0.08					
2/13/2017		<0.08	<0.08	<0.08	<0.08	0.97
4/7/2017	<0.08		<0.08			
4/10/2017		<0.08		<0.08		
4/11/2017					<0.08	0.88
6/22/2017	<0.08		<0.08			
6/23/2017		<0.08		<0.08		
6/24/2017					<0.08	0.87
10/10/2017	<0.08	<0.08	<0.08			
10/11/2017				<0.08	<0.08	1.1
3/22/2018	<0.08					
3/23/2018			<0.08			
3/26/2018		<0.08		<0.08	<0.08	0.91
10/3/2018	<0.08					
10/4/2018		<0.08	<0.08	<0.08	<0.08	0.92
3/27/2019	<0.08			<0.08		
3/28/2019		<0.08	<0.08		<0.08	0.97
9/12/2019	<0.08	<0.08	<0.08	<0.08	<0.08	0.94
3/19/2020	<0.08	<0.08	<0.08	<0.08	<0.08	1
9/10/2020	<0.08	<0.08	<0.08			
9/11/2020				<0.08	<0.08	0.97
4/5/2021				<0.08	<0.08	
4/6/2021	<0.08	<0.08	<0.08			0.97

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0025	<0.0025	<0.0025	
12/21/2010						<0.0025
12/22/2010	<0.0025	<0.0025				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	<0.0025			<0.0025
3/21/2011			<0.0025	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	<0.0025	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			<0.0025		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					<0.0025	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
6/17/2016						<0.0025
8/9/2016		<0.0025	<0.0025	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			<0.0025	<0.0025		
10/11/2016	<0.0025	<0.0025			<0.0025	
10/14/2016						<0.0025
12/2/2016	<0.0025		<0.0025	<0.0025		
12/5/2016		<0.0025			<0.0025	
12/19/2016						<0.0025
2/9/2017			<0.0025			
2/10/2017	<0.0025	<0.0025		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	<0.0025	<0.0025	0.0016	<0.0025
4/10/2017	<0.0025					
6/22/2017			<0.0025		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		<0.0025				
10/9/2017	<0.0025	<0.0025				
10/10/2017			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			<0.0025 (D)		<0.0025	

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	<0.0025	<0.0025 (D)				
10/3/2018	<0.0025	<0.0025	<0.0025			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
3/20/2020					<0.0025	
9/10/2020	<0.0025	<0.0025				
9/11/2020			<0.0025	<0.0025	<0.0025	<0.0025
4/2/2021	<0.0025	<0.0025	<0.0025			
4/5/2021				<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0025
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					<0.0025
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	<0.0025
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/1/2012					<0.0025	<0.0025
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	<0.0025
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
11/8/2014			<0.0025			
5/20/2015						<0.0025
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	7.4E-05 (J)			
6/16/2016				<0.0025	<0.0025	<0.0025
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	<0.0025
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	<0.0025
12/2/2016	<0.0025		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						<0.0025
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	<0.0025
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	<0.0025
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025					

Time Series

Constituent: Cadmium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	<0.0025
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	<0.0025
9/12/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	<0.0025
4/5/2021				<0.0025	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	9.27					
4/7/2016			38.4	6.57		12.6
4/8/2016		8.6			10.7	
6/14/2016	8.2	6.8	32.9	5.5	11.3	
6/17/2016						12.4
8/9/2016		6.2	29	4.6	9.6	
8/10/2016	6.9					11
10/10/2016			33	5.3		
10/11/2016	7.6	6.2			11	
10/14/2016						13
12/2/2016	7.4		33	5.1		
12/5/2016		5.5			10	
12/19/2016						11
2/9/2017			42			
2/10/2017	11	7.8		5.8	11	
2/13/2017						13
4/7/2017		7.3	35	5.2	10	12
4/10/2017	9.7					
6/22/2017			38		11	13
6/23/2017	9.2			5.7		
6/26/2017		6.8				
10/9/2017	9.4	5.8				
10/10/2017			40	5.8	11	13
3/22/2018			39 (D)		11	
3/23/2018				6.6		13
3/26/2018	9.3	8.7				
10/3/2018	7.8	6.1	41			12
10/4/2018				5.4		
10/5/2018					11	
3/27/2019	9.5	7.1	39	6.1	11	13
9/12/2019	8.8	6.1	36	5.7	12	13
3/19/2020	11	9.7	45	6.7		14
3/20/2020					12	
9/10/2020	8.2	5.9				
9/11/2020			30	5.5	11	12
4/2/2021	9.2	9	29			
4/5/2021				7	13	13

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	15.3					
4/8/2016						17.5
4/11/2016		9.7	7.04	6.9	12.8	
6/14/2016	14.2					
6/15/2016		9.5	7.4			
6/16/2016				7.6	14.3	18.4
8/9/2016	13					
8/10/2016		8.5	6.7	5.7		
8/11/2016					11	13
10/11/2016	14	9.3	6.9			
10/13/2016				6.7	13	15
12/2/2016	13		6.5			
12/5/2016		9		6.4	12	
12/6/2016						15
2/9/2017	14					
2/13/2017		9.2	7.9	6.2	13	16
4/7/2017	14		6.5			
4/10/2017		9.2		6.2		
4/11/2017					13	17
6/22/2017	14		6.8			
6/23/2017		9.8		6.6		
6/24/2017					13	17
10/10/2017	15	10	7.3			
10/11/2017				6.9	15	19
3/22/2018	14					
3/23/2018			7.5			
3/26/2018		11		7	15	19
10/3/2018	14					
10/4/2018		10	6.7	6.4	14	17
3/27/2019	15			7		
3/28/2019		11	7.2		15	18
9/12/2019	14	12	7.5	7.1	17	18
3/19/2020	15	16	7.9	7.1	19	19
9/10/2020	14	15	7.5			
9/11/2020				7	18	19
4/5/2021				8	21	
4/6/2021	16	17	7.7			19

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	3.034					
4/7/2016			8.05	2.914		1.842
4/8/2016		2.1			1.57	
6/14/2016	3.1	4.2	9.3	3.1	1.7	
6/17/2016						1.9
8/9/2016		5	10	3.2	1.5	
8/10/2016	2.7					1.8
10/10/2016			10	3		
10/11/2016	2.7	3.8			1.6	
10/14/2016						1.7
12/2/2016	2.5		10	3		
12/5/2016		3.6			1.5	
12/19/2016						2.7 (O)
2/9/2017			9.4			
2/10/2017	3.4	2.2		2.7	1.5	
2/13/2017						1.8
4/7/2017		2.2	9.9	2.9	1.4	1.7
4/10/2017	3.6					
6/22/2017			9.7		1.4	1.7
6/23/2017	3.2			3.3		
6/26/2017		3.4				
10/9/2017	3.5	3.4				
10/10/2017			9.8	3.5	1.4	1.6
3/22/2018			9.7 (D)		1.3	
3/23/2018				3.6		1.6
3/26/2018	3.8	1.9 (D)				
10/3/2018	4	2.9	10			1.6
10/4/2018				3.9		
10/5/2018					1.4	
3/27/2019	2.9	2	9.6	3.7	1.2	1.5
9/12/2019	3.4	2.5	10	4.3	1.4	1.7
3/19/2020	3.9	2.2	9.9	4.5		1.9
3/20/2020					1.7	
9/10/2020	3.7	2.5				
9/11/2020			12	4.7	1.6	1.8
4/2/2021	3.7	1.8	13			
4/5/2021				5.3	1.8	2

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	2.285					
4/8/2016						10.065
4/11/2016		1.57 (O)	2.09	2.09 (O)	<0.25 (O)	
6/14/2016	2.3					
6/15/2016		3.9	2.1			
6/16/2016				6.3	7.4	9.4
8/9/2016	2.3					
8/10/2016		4	2	6.9		
8/11/2016					8.3	10
10/11/2016	2.1	3.7	1.9			
10/13/2016				6.5	7.8	9.9
12/2/2016	2		1.9			
12/5/2016		3.6		6.6	8.1	
12/6/2016						10
2/9/2017	2.1					
2/13/2017		3.4	1.9	6.7	8	10
4/7/2017	2		2			
4/10/2017		3.5		6.7		
4/11/2017					7.6	10
6/22/2017	2		1.9			
6/23/2017		3.4		6.6		
6/24/2017					8.3	10
10/10/2017	2	3.3	1.9			
10/11/2017				6.5	7.9	10
3/22/2018	1.9					
3/23/2018			1.9			
3/26/2018		3.1		6.6	7.8	11
10/3/2018	2					
10/4/2018		3.1	1.9	6.9	8.1	12
3/27/2019	1.9			7		
3/28/2019		2.8	1.8		7.5	12
9/12/2019	1.9	3	1.8	6.8	7.7	11
3/19/2020	2.2	3.4	2.1	7.3	8.2	13
9/10/2020	2.1	3.3	2.1			
9/11/2020				7.7	7.9	12
4/5/2021				7.8	8.2	
4/6/2021	2.1	3.3	1.9			13

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.002	0.0036 (J)	0.0064	
12/21/2010						0.0094
12/22/2010	0.0052	0.0029 (J)				
2/1/2011				0.0037 (J)	0.015	
2/14/2011	0.0057	0.0027 (J)	<0.002			0.028
3/21/2011			<0.002	0.004 (J)		
3/22/2011	0.0055	0.0049 (J)				
3/23/2011					0.0084	0.0042 (J)
4/26/2011	0.0069	0.0048 (J)	<0.002	0.0037 (J)		
4/27/2011					0.011	<0.002
10/25/2011						0.0062
10/26/2011			<0.002		0.0061	
10/27/2011	0.011	0.0023 (J)		0.0047 (J)		
5/1/2012	0.0056	0.0051	<0.002		0.0072	0.011
5/2/2012				0.005 (J)		
11/8/2012	<0.002	0.0034 (J)	<0.002	0.0081	0.015	0.0089
5/7/2013	0.0036 (J)	0.0078		0.0035 (J)	0.044	0.019
5/8/2013			<0.002			
11/4/2013	0.0032 (J)	0.0055 (J)	<0.002	0.0056 (J)		
11/5/2013					0.023	0.0057 (J)
5/23/2014					0.022	0.0084 (J)
5/24/2014	0.0043 (J)	0.0075 (J)	<0.002	0.005 (J)		
11/7/2014			<0.002	0.004 (J)	0.013	0.011
11/8/2014	<0.002	0.0048 (J)				
5/20/2015			0.0025 (O)	0.0062 (J)		
5/21/2015	0.002 (J)	0.0082 (J)			0.029	0.013
11/12/2015					0.045	0.015
11/13/2015	<0.002	0.0079 (J)	0.0042 (O)	0.0067 (J)		
4/6/2016	0.00278 (J)					
4/7/2016			<0.002	0.00467 (J)		0.00498 (J)
4/8/2016		<0.002			<0.002	
6/14/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
6/17/2016						<0.002
8/9/2016		0.0079	<0.002	0.0041	0.008	
8/10/2016	0.0019 (J)					0.0047
10/10/2016			<0.002	0.0041		
10/11/2016	0.0024 (J)	0.0069			0.0079	
10/14/2016						0.0056
12/2/2016	0.0023 (J)		<0.002	0.0039		
12/5/2016		0.0077			0.0057	
12/19/2016						0.0039
2/9/2017			<0.002			
2/10/2017	0.0021 (J)	0.0098		0.0044	0.0062	
2/13/2017						0.0059
4/7/2017		0.0081	<0.002	0.0046	0.0072	0.0051
4/10/2017	0.002 (J)					
6/22/2017			<0.002		0.0074	0.005
6/23/2017	0.0018 (J)			0.005		
6/26/2017		0.0084				
10/9/2017	0.0016 (J)	0.0082				
10/10/2017			<0.002	0.0088	0.0072	0.005
3/22/2018			<0.002 (D)		0.0074	

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				0.0045		0.005
3/26/2018	0.0011 (J)	0.0088				
10/3/2018	0.0014 (J)	0.0086	<0.002			0.0051
10/4/2018				0.0047		
10/5/2018					0.0083	
3/27/2019	0.003	0.0078	<0.002	0.0048	0.0081	0.0051
9/12/2019	0.0047	0.0092	<0.002	0.0051	0.0088	0.0085
3/19/2020	0.0026	0.011	<0.002	0.0043		0.0063
3/20/2020					0.0085	
9/10/2020	0.0019 (J)	0.0077				
9/11/2020			<0.002	0.0042	0.0081	0.0053
4/2/2021	0.0029	0.01	<0.002			
4/5/2021				0.0041	0.0084	0.0061

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	0.0073				0.01	
12/22/2010		0.0026 (J)	0.0034 (J)	0.0036 (J)		
2/14/2011	0.0051					<0.002
2/15/2011		<0.002	0.0034 (J)	0.0038 (J)	0.0087	
3/21/2011	0.0067				0.0083	<0.002
3/22/2011		<0.002	0.0037 (J)	0.0022 (J)		
4/26/2011	0.0065					
4/27/2011		<0.002	0.0038 (J)	0.0042 (J)		<0.002
4/28/2011					0.0076	
10/26/2011	0.0068	<0.002	0.0039 (J)	0.0042 (J)	0.0078	0.0033 (J)
5/1/2012					0.0049 (J)	0.0025 (J)
5/2/2012	0.011	<0.002	0.0044 (J)	0.0037 (J)		
11/8/2012	0.0052	<0.002	0.0026 (J)	<0.002		
11/9/2012					0.0066	<0.002
5/8/2013	0.0059	<0.002	0.0038 (J)	0.0032 (J)	0.0082	<0.002
11/4/2013		0.0027 (J)	0.0063 (J)	0.0063 (J)	0.013	0.0035 (J)
11/5/2013	0.0044 (J)					
5/23/2014	0.0087 (J)					
5/24/2014		0.0027 (J)	0.0061 (J)	0.003 (J)	0.012	0.0027 (J)
11/7/2014	0.0048 (J)	<0.002		<0.002	0.0084 (J)	<0.002
11/8/2014			<0.002			
5/20/2015						0.0021 (J)
5/21/2015	0.006 (J)					
5/22/2015		0.0034 (J)	0.0037 (J)	0.0023 (J)	0.0096 (J)	
11/12/2015	0.007 (J)					
11/13/2015		0.0038 (J)	0.0055 (J)	0.0042 (J)	0.011	0.0041 (J)
4/7/2016	0.0056 (J)					
4/8/2016						<0.002
4/11/2016		<0.002	0.00479 (J)	0.00309 (J)	0.0101	
6/14/2016	<0.002					
6/15/2016		<0.002	<0.002			
6/16/2016				<0.002	<0.002	<0.002
8/9/2016	0.0053					
8/10/2016		0.0014 (J)	0.0047	0.0023 (J)		
8/11/2016					0.0097	0.0013 (J)
10/11/2016	0.0058	0.0017 (J)	0.0048			
10/13/2016				0.0028	0.012	0.0018 (J)
12/2/2016	0.0071		0.0043			
12/5/2016		0.0014 (J)		0.0032	0.012	
12/6/2016						0.0014 (J)
2/9/2017	0.0051					
2/13/2017		0.0016 (J)	0.0047	0.0021 (J)	0.011	0.0021 (J)
4/7/2017	0.006		0.0044			
4/10/2017		0.0014 (J)		0.0022 (J)		
4/11/2017					0.011	0.0012 (J)
6/22/2017	0.0056		0.0045			
6/23/2017		0.0014 (J)		0.0025		
6/24/2017					0.0095	0.0017 (J)
10/10/2017	0.0073	0.0039	0.005			
10/11/2017				0.0027	0.0096	0.0013 (J)
3/22/2018	0.0051					

Time Series

Constituent: Chromium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			0.0042			
3/26/2018		0.0013 (J)		0.0028	0.012	0.0014 (J)
10/3/2018	0.0052					
10/4/2018		0.0014 (J)	0.005	0.0041	0.016	<0.002
3/27/2019	0.0056			0.0044		
3/28/2019		0.0012 (J)	0.0043		0.019	<0.002
9/12/2019	0.0075	0.0021 (J)	0.006	0.0043	0.027	0.002 (J)
3/19/2020	0.0055	<0.002	0.0047	0.0032	0.029	<0.002
9/10/2020	0.0063	<0.002	0.0047			
9/11/2020				0.0041	0.028	0.0023
4/5/2021				0.0054	0.031	
4/6/2021	0.0055	<0.002	0.0044			<0.002

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.012	<0.0025	0.0033 (O)	
12/21/2010						<0.0025
12/22/2010	<0.0025	0.0038 (O)				
2/1/2011				<0.0025	<0.0025	
2/14/2011	<0.0025	<0.0025	0.0093 (J)			<0.0025
3/21/2011			0.0076 (J)	<0.0025		
3/22/2011	<0.0025	<0.0025				
3/23/2011					<0.0025	<0.0025
4/26/2011	<0.0025	<0.0025	0.0058 (J)	<0.0025		
4/27/2011					<0.0025	<0.0025
10/25/2011						<0.0025
10/26/2011			0.005 (J)		<0.0025	
10/27/2011	<0.0025	<0.0025		<0.0025		
5/1/2012	<0.0025	<0.0025	0.0032 (J)		<0.0025	0.0039 (O)
5/2/2012				<0.0025		
11/8/2012	<0.0025	<0.0025	0.0034 (J)	<0.0025	<0.0025	<0.0025
5/7/2013	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
5/8/2013			<0.0025			
11/4/2013	<0.0025	<0.0025	<0.0025	<0.0025		
11/5/2013					<0.0025	<0.0025
5/23/2014					0.0048 (O)	<0.0025
5/24/2014	<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2014			<0.0025	<0.0025	<0.0025	<0.0025
11/8/2014	<0.0025	<0.0025				
5/20/2015			<0.0025	<0.0025		
5/21/2015	<0.0025	<0.0025			<0.0025	<0.0025
11/12/2015					<0.0025	<0.0025
11/13/2015	<0.0025	<0.0025	<0.0025	<0.0025		
4/6/2016	<0.0025					
4/7/2016			<0.0025	<0.0025		<0.0025
4/8/2016		<0.0025			<0.0025	
6/14/2016	6.6E-05 (J)	0.00042 (J)	0.0031 (J)	3.8E-05 (J)	4.2E-05 (J)	
6/17/2016						0.00017 (J)
8/9/2016		0.00068 (J)	0.0023 (J)	<0.0025	<0.0025	
8/10/2016	<0.0025					<0.0025
10/10/2016			0.0024 (J)	<0.0025		
10/11/2016	0.00047 (J)	<0.0025			0.00052 (J)	
10/14/2016						<0.0025
12/2/2016	0.0014 (J)		0.0021 (J)	<0.0025		
12/5/2016		0.0012 (J)			<0.0025	
12/19/2016						<0.0025
2/9/2017			0.00096 (J)			
2/10/2017	0.00052 (J)	0.0013 (J)		<0.0025	<0.0025	
2/13/2017						<0.0025
4/7/2017		<0.0025	0.0034	<0.0025	<0.0025	<0.0025
4/10/2017	<0.0025					
6/22/2017			0.0029		<0.0025	<0.0025
6/23/2017	<0.0025			<0.0025		
6/26/2017		0.00073 (J)				
10/9/2017	0.00053 (J)	<0.0025				
10/10/2017			0.0025	<0.0025	<0.0025	<0.0025
3/22/2018			0.0015 (JD)		<0.0025	

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0025		<0.0025
3/26/2018	0.00088 (J)	<0.0025 (D)				
10/3/2018	0.0014 (J)	<0.0025	0.0018 (J)			<0.0025
10/4/2018				<0.0025		
10/5/2018					<0.0025	
3/27/2019	<0.0025	<0.0025	0.00083 (J)	<0.0025	<0.0025	<0.0025
9/12/2019	0.0004 (J)	<0.0025	0.0018 (J)	9.5E-05 (J)	0.00011 (J)	<0.0025
3/19/2020	0.00015 (J)	<0.0025	0.0005 (J)	0.00025 (J)		0.00029 (J)
3/20/2020					<0.0025	
9/10/2020	0.00019 (J)	0.00014 (J)				
9/11/2020			0.0035	<0.0025	<0.0025	<0.0025
4/2/2021	0.00016 (J)	0.00026 (J)	0.002 (J)			
4/5/2021				<0.0025	0.00017 (J)	0.00019 (J)

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.0051 (J)
12/21/2010	<0.0025				<0.0025	
12/22/2010		<0.0025	<0.0025	<0.0025		
2/14/2011	<0.0025					0.0038 (J)
2/15/2011		<0.0025	<0.0025	<0.0025	<0.0025	
3/21/2011	<0.0025				<0.0025	0.0037 (J)
3/22/2011		<0.0025	<0.0025	<0.0025		
4/26/2011	<0.0025					
4/27/2011		<0.0025	<0.0025	<0.0025		<0.0025
4/28/2011					<0.0025	
10/26/2011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0046 (J)
5/1/2012					<0.0025	0.0043 (J)
5/2/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/8/2012	<0.0025	<0.0025	<0.0025	<0.0025		
11/9/2012					<0.0025	0.007 (J)
5/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0047 (J)
11/4/2013		<0.0025	<0.0025	<0.0025	<0.0025	0.0096 (J)
11/5/2013	<0.0025					
5/23/2014	<0.0025					
5/24/2014		<0.0025	<0.0025	<0.0025	<0.0025	0.0097 (J)
11/7/2014	<0.0025	<0.0025		<0.0025	<0.0025	0.012
11/8/2014			<0.0025			
5/20/2015						0.011
5/21/2015	<0.0025					
5/22/2015		<0.0025	<0.0025	<0.0025	<0.0025	
11/12/2015	<0.0025					
11/13/2015		<0.0025	<0.0025	<0.0025	<0.0025	0.013
4/7/2016	<0.0025					
4/8/2016						<0.0025
4/11/2016		<0.0025	<0.0025	<0.0025	<0.0025	
6/14/2016	<0.0025					
6/15/2016		<0.0025	<0.0025			
6/16/2016				<0.0025	<0.0025	0.0062 (J)
8/9/2016	<0.0025					
8/10/2016		<0.0025	<0.0025	<0.0025		
8/11/2016					<0.0025	0.0092
10/11/2016	<0.0025	<0.0025	<0.0025			
10/13/2016				<0.0025	<0.0025	0.0045
12/2/2016	0.0004 (J)		<0.0025			
12/5/2016		<0.0025		<0.0025	<0.0025	
12/6/2016						0.0043
2/9/2017	<0.0025					
2/13/2017		<0.0025	<0.0025	<0.0025	<0.0025	0.011
4/7/2017	<0.0025		<0.0025			
4/10/2017		<0.0025		<0.0025		
4/11/2017					<0.0025	0.012
6/22/2017	<0.0025		<0.0025			
6/23/2017		<0.0025		<0.0025		
6/24/2017					<0.0025	0.011
10/10/2017	<0.0025	<0.0025	<0.0025			
10/11/2017				<0.0025	<0.0025	0.016
3/22/2018	<0.0025					

Time Series

Constituent: Cobalt, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0025			
3/26/2018		<0.0025		<0.0025	<0.0025	0.0069
10/3/2018	<0.0025					
10/4/2018		<0.0025	<0.0025	<0.0025	<0.0025	0.016
3/27/2019	<0.0025			<0.0025		
3/28/2019		<0.0025	<0.0025		<0.0025	0.011
9/12/2019	0.00017 (J)	<0.0025	<0.0025	0.00012 (J)	<0.0025	0.011
3/19/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0083
9/10/2020	0.0002 (J)	<0.0025	<0.0025			
9/11/2020				<0.0025	<0.0025	0.002 (J)
4/5/2021				0.0002 (J)	<0.0025	
4/6/2021	<0.0025	<0.0025	<0.0025			0.0062

Time Series

Constituent: Copper, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.0021 (J)	<0.002	0.0065 (J)	
12/21/2010						0.0084 (J)
12/22/2010	<0.002	<0.002				
2/1/2011				<0.002	0.018	
2/14/2011	<0.002	<0.002	<0.002			0.013 (O)
3/21/2011			<0.002	<0.002		
3/22/2011	<0.002	<0.002				
3/23/2011					0.022	0.0061 (J)
4/26/2011	<0.002	<0.002	<0.002	<0.002		
4/27/2011					0.02	<0.002
10/25/2011						<0.002
10/26/2011			<0.002		0.0025 (J)	
10/27/2011	<0.002	<0.002		<0.002		
5/1/2012	<0.002	<0.002	<0.002		0.0022 (J)	0.0027 (J)
5/2/2012				<0.002		
11/8/2012	<0.002	<0.002	0.0034 (J)	0.021 (O)	0.015	<0.002
5/7/2013	<0.002	<0.002		<0.002	0.02	0.0039 (J)
5/8/2013			<0.002			
11/4/2013	<0.002	<0.002	<0.002	<0.002		
11/5/2013					0.014	<0.002
5/23/2014					0.06 (O)	0.0029 (J)
5/24/2014	<0.002	<0.002	<0.002	<0.002		
11/7/2014			0.002 (J)	<0.002	0.0032 (J)	<0.002
11/8/2014	<0.002	<0.002				
5/20/2015			0.0024 (J)	<0.002		
5/21/2015	0.0028 (O)	0.003 (J)			0.017 (JV)	0.0031 (J)
11/12/2015					0.01 (J)	<0.002
11/13/2015	<0.002	0.078 (O)	<0.002	<0.002		
4/6/2016	<0.002					
4/7/2016			<0.002	<0.002		<0.002
4/8/2016		<0.002			<0.002	
10/10/2016			<0.002	<0.002		
10/11/2016	<0.002	<0.002			0.0051	
10/14/2016						0.0024 (J)
4/7/2017		<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017	<0.002					
10/9/2017	<0.002	<0.002				
10/10/2017			<0.002	<0.002	<0.002	<0.002
3/22/2018			<0.002 (D)		<0.002	
3/23/2018				<0.002		<0.002
3/26/2018	<0.002	<0.002 (D)				
10/3/2018	<0.002	<0.002	<0.002			<0.002
10/4/2018				<0.002		
10/5/2018					<0.002	
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	0.00083 (J)
3/19/2020	<0.002	<0.002	0.00072 (J)	<0.002		0.0022
3/20/2020					0.0011 (J)	
9/10/2020	0.0023	<0.002				
9/11/2020			0.002	<0.002	<0.002	<0.002
4/2/2021	<0.002	<0.002	<0.002			
4/5/2021				<0.002	0.0019 (J)	0.00093 (J)

Time Series

Constituent: Copper, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.002
12/21/2010	<0.002				<0.002	
12/22/2010		<0.002	<0.002	<0.002		
2/14/2011	<0.002					<0.002
2/15/2011		<0.002	<0.002	<0.002	<0.002	
3/21/2011	<0.002				<0.002	<0.002
3/22/2011		<0.002	<0.002	<0.002		
4/26/2011	<0.002					
4/27/2011		<0.002	<0.002	<0.002		<0.002
4/28/2011					<0.002	
10/26/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/1/2012					<0.002	<0.002
5/2/2012	<0.002	<0.002	<0.002	<0.002		
11/8/2012	<0.002	<0.002	<0.002	<0.002		
11/9/2012					<0.002	<0.002
5/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/4/2013		<0.002	<0.002	<0.002	<0.002	<0.002
11/5/2013	<0.002					
5/23/2014	<0.002					
5/24/2014		<0.002	<0.002	<0.002	<0.002	<0.002
11/7/2014	<0.002	<0.002		<0.002	<0.002	<0.002
11/8/2014			<0.002			
5/20/2015						<0.002
5/21/2015	<0.002					
5/22/2015		0.0031 (O)	0.0031 (O)	<0.002	<0.002	
11/12/2015	<0.002					
11/13/2015		<0.002	<0.002	<0.002	<0.002	<0.002
4/7/2016	<0.002					
4/8/2016						<0.002
4/11/2016		<0.002	<0.002	<0.002	<0.002	
10/11/2016	<0.002	<0.002	<0.002			
10/13/2016				<0.002	<0.002	<0.002
4/7/2017	<0.002		<0.002			
4/10/2017		<0.002		<0.002		
4/11/2017					<0.002	<0.002
10/10/2017	<0.002	<0.002	<0.002			
10/11/2017				<0.002	<0.002	<0.002
3/22/2018	<0.002					
3/23/2018			<0.002			
3/26/2018		<0.002		<0.002	<0.002	<0.002
10/3/2018	<0.002					
10/4/2018		<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2019	<0.002			<0.002		
3/28/2019		<0.002	<0.002		<0.002	<0.002
9/12/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/19/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002			
9/11/2020				0.0013 (J)	<0.002	<0.002
4/5/2021				<0.002	<0.002	
4/6/2021	<0.002	<0.002	<0.002			<0.002

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	0.035 (J)					
4/7/2016			0.035 (J)	0.024 (J)		0.044 (J)
4/8/2016		<0.1			<0.1	
6/14/2016	<0.1	<0.1	<0.1	<0.1	<0.1	
6/17/2016						<0.1
8/9/2016		<0.1	<0.1	<0.1	<0.1	
8/10/2016	<0.1					<0.1
10/10/2016			<0.1	<0.1		
10/11/2016	<0.1	<0.1			<0.1	
10/14/2016						<0.1
12/2/2016	<0.1		<0.1	<0.1		
12/5/2016		<0.1			<0.1	
12/19/2016						0.1 (J)
2/9/2017			<0.1			
2/10/2017	<0.1	<0.1		<0.1	<0.1	
2/13/2017						<0.1
4/7/2017		<0.1	<0.1	<0.1	<0.1	<0.1
4/10/2017	<0.1					
6/22/2017			<0.1		<0.1	<0.1
6/23/2017	<0.1			<0.1		
6/26/2017		<0.1				
10/9/2017	<0.1	<0.1				
10/10/2017			<0.1	<0.1	<0.1	<0.1
3/22/2018			<0.1 (D)		<0.1	
3/23/2018				<0.1		<0.1
3/26/2018	<0.1	<0.1 (D)				
10/3/2018	<0.1	<0.1	<0.1			<0.1
10/4/2018				<0.1		
10/5/2018					<0.1	
3/27/2019	0.035 (J)	0.036 (J)	<0.1	0.033 (J)	0.041 (J)	0.04 (J)
9/12/2019	0.04 (J)	0.043 (J)	0.026 (J)	<0.1	0.041 (J)	0.044 (J)
3/19/2020	0.059 (J)	0.054 (J)	0.041 (J)	<0.1		0.049 (J)
3/20/2020					<0.1	
9/10/2020	0.044 (J)	0.034 (J)				
9/11/2020			<0.1	<0.1	0.034 (J)	0.035 (J)
4/2/2021	0.028 (J)	0.032 (J)	<0.1			
4/5/2021				0.039 (J)	0.038 (J)	0.031 (J)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	0.041 (J)					
4/8/2016						<0.1
4/11/2016		0.033 (J)	0.027 (J)	0.027 (J)	<0.1	
6/14/2016	<0.1					
6/15/2016		<0.1	<0.1			
6/16/2016				<0.1	<0.1	<0.1
8/9/2016	<0.1					
8/10/2016		<0.1	<0.1	<0.1		
8/11/2016					<0.1	<0.1
10/11/2016	<0.1	<0.1	<0.1			
10/13/2016				<0.1	<0.1	<0.1
12/2/2016	<0.1		<0.1			
12/5/2016		<0.1		<0.1	<0.1	
12/6/2016						<0.1
2/9/2017	<0.1					
2/13/2017		<0.1	<0.1	<0.1	<0.1	<0.1
4/7/2017	<0.1		<0.1			
4/10/2017		<0.1		<0.1		
4/11/2017					<0.1	<0.1
6/22/2017	<0.1		<0.1			
6/23/2017		<0.1		<0.1		
6/24/2017					<0.1	<0.1
10/10/2017	<0.1	<0.1	<0.1			
10/11/2017				<0.1	<0.1	<0.1
3/22/2018	<0.1					
3/23/2018			<0.1			
3/26/2018		<0.1		<0.1	<0.1	<0.1
10/3/2018	<0.1					
10/4/2018		<0.1	<0.1	<0.1	<0.1	<0.1
3/27/2019	0.037 (J)			<0.1		
3/28/2019		0.033 (J)	0.042 (J)		0.039 (J)	<0.1
9/12/2019	0.042 (J)	0.042 (J)	0.028 (J)	0.028 (J)	0.042 (J)	<0.1
3/19/2020	0.044 (J)	0.042 (J)	0.039 (J)	0.037 (J)	0.053 (J)	<0.1
9/10/2020	0.036 (J)	0.04 (J)	<0.1			
9/11/2020				0.049 (J)	0.041 (J)	<0.1
4/5/2021				<0.1	0.05 (J)	
4/6/2021	0.03 (J)	0.031 (J)	<0.1			<0.1

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	0.0027 (J)	
2/14/2011	0.0028 (J)	<0.001	0.0024 (J)			0.0029 (J)
3/21/2011			<0.001	<0.001		
3/22/2011	0.0021 (J)	<0.001				
3/23/2011					0.0041 (J)	0.0028 (J)
4/26/2011	0.003 (J)	0.0025 (J)	0.0027 (J)	0.0024 (J)		
4/27/2011					0.0054	0.0038 (J)
10/25/2011						0.0043 (J)
10/26/2011			0.0026 (J)		<0.001	
10/27/2011	0.0028 (J)	0.0033 (J)		0.0025 (J)		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	0.0023 (J)	0.003 (J)	0.0022 (J)	<0.001
5/7/2013	0.0044 (J)	0.0048 (J)		0.0029 (J)	0.0062	0.0064
5/8/2013			0.0026 (J)			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					0.0026 (J)	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	0.0022 (J)	0.0026 (J)
11/8/2014	<0.001	0.0021 (J)				
5/20/2015			0.005 (J)	0.0037 (J)		
5/21/2015	0.0032 (J)	0.002 (J)			0.0049 (J)	0.0038 (J)
11/12/2015					<0.001	0.0021 (J)
11/13/2015	<0.001	<0.001	0.0031 (J)	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		0.00096 (J)	

Time Series

Constituent: Lead, T Total (mg/L) Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00019 (J)	<0.001		0.0002 (J)
3/20/2020					<0.001	
9/10/2020	0.0022	<0.001				
9/11/2020			0.0016	<0.001	<0.001	<0.001
4/2/2021	<0.001	0.00018 (J)	<0.001			
4/5/2021				<0.001	<0.001	<0.001

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	0.0032 (J)					<0.001
2/15/2011		0.0021 (J)	0.0028 (J)	0.0032 (J)	0.0034 (J)	
3/21/2011	0.0038 (J)				0.004 (J)	<0.001
3/22/2011		0.0027 (J)	0.0022 (J)	0.0024 (J)		
4/26/2011	0.0046 (J)					
4/27/2011		0.0024 (J)	0.0033 (J)	0.0033 (J)		<0.001
4/28/2011					0.0036 (J)	
10/26/2011	0.0024 (J)	0.0021 (J)	0.0028 (J)	0.0023 (J)	0.0038 (J)	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	0.0021 (J)	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	0.006	0.0035 (J)	0.0043 (J)	0.0035 (J)	0.0059	<0.001
11/4/2013		<0.001	<0.001	<0.001	0.0027 (J)	<0.001
11/5/2013	0.0023 (J)					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						0.0026 (O)
5/21/2015	0.0062 (J)					
5/22/2015		0.0038 (J)	0.0042 (J)	0.0035 (J)	0.006 (J)	
11/12/2015	0.0035 (J)					
11/13/2015		<0.001	<0.001	<0.001	0.0024 (J)	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	<0.001					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				0.00041 (J)	<0.001	<0.001
3/22/2018	<0.001					

Time Series

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	0.0034 (o)	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				0.0015	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.0002	<0.0002	<0.0002	
12/21/2010						<0.0002
12/22/2010	<0.0002	<0.0002				
2/1/2011				<0.0002	<0.0002	
2/14/2011	<0.0002	<0.0002	<0.0002			<0.0002
3/21/2011			<0.0002	<0.0002		
3/22/2011	<0.0002	<0.0002				
3/23/2011					<0.0002	<0.0002
4/26/2011	<0.0002	<0.0002	<0.0002	<0.0002		
4/27/2011					<0.0002	<0.0002
10/25/2011						<0.0002
10/26/2011			<0.0002		<0.0002	
10/27/2011	<0.0002	<0.0002		<0.0002		
5/1/2012	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
5/2/2012				<0.0002		
11/8/2012	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/7/2013	<0.0002	<0.0002		0.00011 (J)	8.1E-05 (J)	8.4E-05 (J)
5/8/2013			<0.0002			
11/4/2013	<0.0002	<0.0002	<0.0002	<0.0002		
11/5/2013					<0.0002	<0.0002
5/23/2014					<0.0002	<0.0002
5/24/2014	<0.0002	<0.0002	<0.0002	<0.0002		
11/7/2014			<0.0002	<0.0002	<0.0002	<0.0002
11/8/2014	<0.0002	<0.0002				
5/20/2015			<0.0002	<0.0002		
5/21/2015	<0.0002	<0.0002			<0.0002	<0.0002
11/12/2015					<0.0002	<0.0002
11/13/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/6/2016	<0.0002					
4/7/2016			<0.0002	<0.0002		<0.0002
4/8/2016		<0.0002			<0.0002	
6/14/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
6/17/2016						<0.0002
8/9/2016		<0.0002	<0.0002	<0.0002	<0.0002	
8/10/2016	<0.0002					<0.0002
10/10/2016			<0.0002	<0.0002		
10/11/2016	<0.0002	<0.0002			<0.0002	
10/14/2016						<0.0002
12/2/2016	<0.0002		<0.0002	<0.0002		
12/5/2016		<0.0002			<0.0002	
12/19/2016						<0.0002
2/9/2017			<0.0002			
2/10/2017	<0.0002	<0.0002		<0.0002	<0.0002	
2/13/2017						<0.0002
4/7/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/10/2017	<0.0002					
6/22/2017			<0.0002		<0.0002	<0.0002
6/23/2017	<0.0002			<0.0002		
6/26/2017		<0.0002				
10/9/2017	8.7E-05 (J)	8.7E-05 (J)				
10/10/2017			8.9E-05 (J)	8.8E-05 (J)	9.2E-05 (J)	9.2E-05 (J)
3/22/2018			<0.0002 (D)		<0.0002	

Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.0002		<0.0002
3/26/2018	<0.0002 (X)	<0.0002 (D)				
10/3/2018	<0.0002 (X)	<0.0002 (X)	<0.0002 (X)			<0.0002 (X)
10/4/2018				<0.0002		
10/5/2018					<0.0002	
3/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
3/20/2020					<0.0002	
9/10/2020	<0.0002	<0.0002				
9/11/2020			<0.0002	<0.0002	<0.0002	<0.0002
4/2/2021	<0.0002	<0.0002	<0.0002			
4/5/2021				<0.0002	<0.0002	<0.0002

Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.0002
12/21/2010	<0.0002				<0.0002	
12/22/2010		<0.0002	<0.0002	<0.0002		
2/14/2011	<0.0002					<0.0002
2/15/2011		<0.0002	<0.0002	<0.0002	<0.0002	
3/21/2011	<0.0002				<0.0002	<0.0002
3/22/2011		<0.0002	<0.0002	<0.0002		
4/26/2011	<0.0002					
4/27/2011		<0.0002	<0.0002	<0.0002		<0.0002
4/28/2011					<0.0002	
10/26/2011	<0.0002	<0.0002	<0.0002	<0.0002	8.2E-05	<0.0002
5/1/2012					<0.0002	<0.0002
5/2/2012	<0.0002	<0.0002	<0.0002	<0.0002		
11/8/2012	<0.0002	<0.0002	<0.0002	<0.0002		
11/9/2012					<0.0002	<0.0002
5/8/2013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/4/2013		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/5/2013	<0.0002					
5/23/2014	<0.0002					
5/24/2014		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/7/2014	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
11/8/2014			<0.0002			
5/20/2015						<0.0002
5/21/2015	<0.0002					
5/22/2015		<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2015	<0.0002					
11/13/2015		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/7/2016	<0.0002					
4/8/2016						<0.0002
4/11/2016		<0.0002	<0.0002	<0.0002	<0.0002	
6/14/2016	<0.0002					
6/15/2016		<0.0002	<0.0002			
6/16/2016				<0.0002	<0.0002	<0.0002
8/9/2016	<0.0002					
8/10/2016		<0.0002	<0.0002	<0.0002		
8/11/2016					<0.0002	<0.0002
10/11/2016	<0.0002	<0.0002	<0.0002			
10/13/2016				<0.0002	<0.0002	<0.0002
12/2/2016	<0.0002		<0.0002			
12/5/2016		<0.0002		<0.0002	<0.0002	
12/6/2016						<0.0002
2/9/2017	<0.0002					
2/13/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/7/2017	<0.0002		<0.0002			
4/10/2017		<0.0002		<0.0002		
4/11/2017					<0.0002	<0.0002
6/22/2017	<0.0002		<0.0002			
6/23/2017		<0.0002		<0.0002		
6/24/2017					<0.0002	<0.0002
10/10/2017	8.8E-05 (J)	9.1E-05 (J)	8.9E-05 (J)			
10/11/2017				<0.0002	<0.0002	<0.0002
3/22/2018	<0.0002					

Time Series

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:01 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.0002 (X)			
3/26/2018		<0.0002		<0.0002	<0.0002	<0.0002 (X)
10/3/2018	<0.0002 (X)					
10/4/2018		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/27/2019	<0.0002			<0.0002		
3/28/2019		<0.0002	<0.0002		<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/10/2020	<0.0002	<0.0002	<0.0002			
9/11/2020				<0.0002	<0.0002	<0.0002
4/5/2021				<0.0002	<0.0002	
4/6/2021	<0.0002	<0.0002	<0.0002			<0.0002

Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						0.0052
12/22/2010	<0.001	0.003 (O)				
2/1/2011				<0.001	0.0072	
2/14/2011	<0.001	<0.001	<0.001			0.016
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	0.0035 (J)
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	0.0035 (O)	0.0066	0.0046 (J)
5/7/2013	<0.001	<0.001		<0.001	0.022	0.0087
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					0.0093	0.0036 (J)
5/23/2014					0.0045 (J)	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	0.0049 (J)	0.0064
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			0.012	0.0045 (J)
11/12/2015					0.019	0.0036 (J)
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
10/9/2017	0.0024 (O)	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	0.00097 (J)	<0.001	0.00061 (J)	0.0004 (J)	<0.001	<0.001
3/19/2020	0.00037 (J)	<0.001	0.00074 (J)	<0.001		0.0004 (J)
3/20/2020					<0.001	
9/10/2020	0.00095 (J)	<0.001				
9/11/2020			0.001	<0.001	<0.001	<0.001
4/2/2021	0.00046 (J)	0.00049 (J)	0.00077 (J)			
4/5/2021				<0.001	<0.001	0.00034 (J)

Time Series

Constituent: Nickel, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.006
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					0.0067
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	0.0066
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		0.0077
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	0.0063
5/1/2012					<0.001	0.0068
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	0.0067
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	0.0066
11/4/2013		<0.001	<0.001	<0.001	<0.001	0.0072
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	0.0053
11/7/2014	<0.001	<0.001		<0.001	<0.001	0.0052
11/8/2014			<0.001			
5/20/2015						0.0067
5/21/2015	<0.001					
5/22/2015		0.0032 (J)	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	0.0063
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		0.00388 (J)	<0.001	<0.001	<0.001	
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		0.0042		<0.001		
4/11/2017					<0.001	0.0075
10/10/2017	<0.001	0.0037	<0.001			
10/11/2017				0.0018 (J)	<0.001	0.0072
3/22/2018	<0.001					
3/23/2018			<0.001			
3/26/2018		0.0037		0.0021 (J)	<0.001	0.0075
10/3/2018	<0.001					
10/4/2018		0.0037	<0.001	0.0024 (J)	<0.001	0.0073
3/27/2019	<0.001			0.0024 (J)		
3/28/2019		0.0038	<0.001		<0.001	0.0069
9/12/2019	0.00043 (J)	0.0035	0.0012	0.0019	<0.001	0.007
3/19/2020	<0.001	0.0039	0.0015	0.0021	<0.001	0.007
9/10/2020	0.00062 (J)	0.0035	0.0017			
9/11/2020				0.002	<0.001	0.0074
4/5/2021				0.002	<0.001	
4/6/2021	<0.001	0.0042	0.0019			0.0072

Time Series

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
11/7/2014			6.26	5.92	6.54	6.91
11/8/2014	5.89	5.92				
5/21/2015		5.97				
11/12/2015					6.43	6.81
11/13/2015	5.65	5.8	6.02	5.78		
4/6/2016	5.9 (D)					
4/7/2016			6.48	6.83	6.45 (D)	6.74
4/8/2016		6.12			6.45	
6/14/2016	5.75	5.84	6.05	5.82	6.4	
6/17/2016						6.78
8/1/2016				5.78		
8/9/2016		5.75	6.05		6.43	
8/10/2016	5.75					6.73
10/10/2016			6.02	5.78		
10/11/2016	5.8	5.84			6.34	
10/14/2016						6.7
12/2/2016	5.78		5.95	5.71		
12/5/2016		5.7			6.46	6.71
2/9/2017			6.24			
2/10/2017	5.83	6.17		5.79	6.33	
2/13/2017						6.56
4/7/2017		5.99	5.95	5.93	6.38	6.62
4/10/2017	5.74					
6/22/2017			6.02		6.45	6.76
6/23/2017				5.77		
6/26/2017	5.83	5.87				
10/9/2017	5.61	5.52				
10/10/2017			6	5.81	6.44	6.7
3/22/2018			6.2		6.46	
3/23/2018				5.89		6.92
3/26/2018	5.76	6.06				
10/3/2018	5.78	5.83	6.03			6.81
10/4/2018				5.86		
10/5/2018					6.47	
3/27/2019	5.97	6.04	6.31	5.95	6.52	6.86
9/12/2019	5.83	5.87		5.83	6.49	6.78
9/13/2019			5.96			
3/19/2020	5.81	6.14	6.46	5.93	6.39	6.73
3/20/2020					6.39	
9/10/2020	5.83	5.78				
9/11/2020			5.98	6.02	6.59	6.76
4/2/2021	6.06	6.03	5.92			
4/5/2021				5.92	6.59	6.78
6/1/2021				5.8	6.46	6.78

Time Series

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
11/7/2014	6.99			5.95	6.75	5.67
11/8/2014			5.94			
5/22/2015		5.8	5.79	5.84	6.65	
5/25/2015				8.36 (o)	7.63 (o)	7.725 (oD)
11/12/2015	7					
11/13/2015		5.87	5.92	5.82	6.77	5.52
4/7/2016	6.85					
4/8/2016						5.63
4/11/2016		5.84	5.82	5.88	6.64	
6/14/2016	6.83					
6/15/2016		5.82	5.85			
6/16/2016				5.85	6.6	5.56
8/9/2016	6.77					
8/10/2016		5.82	5.85	5.83		
8/11/2016					6.61	5.56
10/11/2016	6.83	5.78	5.76			
10/13/2016				5.84	6.64	5.61
12/2/2016	6.79		5.76			
12/5/2016		5.72		5.81	6.63	
12/6/2016						5.48
2/9/2017	6.65					
2/13/2017		5.81	5.8	5.76	6.59	5.57
4/7/2017	6.75		5.75			
4/10/2017		5.75		5.78		
4/11/2017					6.53	5.52
6/22/2017	6.85		5.83			
6/23/2017		5.78		5.82		
6/26/2017					6.6	5.56
10/10/2017	6.84	5.82	5.76			
10/11/2017				5.83	6.61	5.51
3/22/2018	7					
3/23/2018			5.98			
3/26/2018		5.91		5.98	6.77	5.78
10/3/2018	6.93					
10/4/2018		5.83	5.85	5.85	6.67	5.56
3/27/2019	6.91			5.94		
3/28/2019		5.95	5.71		6.71	5.67
9/12/2019	6.82	5.98		5.86	6.68	
9/13/2019			5.78			5.55
3/19/2020	6.87	5.97	5.78	5.9	6.64	5.65
9/10/2020	6.91	6.09	5.78			
9/11/2020				5.84	6.64	5.69
4/5/2021				5.99	6.68	
4/6/2021	6.87	6.3	5.76			5.67
6/2/2021				5.87	6.6	

Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.005	<0.005	<0.005	
12/21/2010						<0.005
12/22/2010	<0.005	<0.005				
2/1/2011				<0.005	<0.005	
2/14/2011	<0.005	<0.005	<0.005			<0.005
3/21/2011			<0.005	<0.005		
3/22/2011	<0.005	<0.005				
3/23/2011					<0.005	<0.005
4/26/2011	<0.005	<0.005	<0.005	<0.005		
4/27/2011					<0.005	<0.005
10/25/2011						<0.005
10/26/2011			<0.005		<0.005	
10/27/2011	<0.005	<0.005		<0.005		
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005
5/2/2012				<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	<0.005	0.0046
5/8/2013			0.0048			
11/4/2013	0.0061 (O)	0.0048	<0.005	<0.005		
11/5/2013					0.0064 (O)	0.0047
5/23/2014					<0.005	<0.005
5/24/2014	<0.005	<0.005	0.0042	<0.005		
11/7/2014			<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005	<0.005				
5/20/2015			0.0093 (O)	<0.005		
5/21/2015	0.0072 (O)	0.0041			<0.005	0.0077 (O)
11/12/2015					<0.005	<0.005
11/13/2015	<0.005	<0.005	0.0061 (O)	<0.005		
4/6/2016	<0.005					
4/7/2016			<0.005	<0.005		<0.005
4/8/2016		<0.005			<0.005	
6/14/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
6/17/2016						<0.005
8/9/2016		<0.005	<0.005	<0.005	<0.005	
8/10/2016	<0.005					<0.005
10/10/2016			<0.005	<0.005		
10/11/2016	<0.005	<0.005			<0.005	
10/14/2016						<0.005
12/2/2016	<0.005		<0.005	<0.005		
12/5/2016		<0.005			<0.005	
12/19/2016						<0.005
2/9/2017			<0.005			
2/10/2017	<0.005	0.0032		<0.005	<0.005	
2/13/2017						<0.005
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005
4/10/2017	<0.005					
6/22/2017			<0.005		0.0021	<0.005
6/23/2017	<0.005			<0.005		
6/26/2017		<0.005				
10/9/2017	<0.005	<0.005				
10/10/2017			0.00033 (J)	<0.005	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005	

Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.005		<0.005
3/26/2018	<0.005	<0.005 (D)				
10/3/2018	<0.005	<0.005	<0.005			<0.005
10/4/2018				<0.005		
10/5/2018					<0.005	
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/20/2020					<0.005	
9/10/2020	<0.005	<0.005				
9/11/2020			<0.005	<0.005	<0.005	<0.005
4/2/2021	<0.005	<0.005	<0.005			
4/5/2021				<0.005	<0.005	<0.005

Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.005
12/21/2010	<0.005				<0.005	
12/22/2010		<0.005	<0.005	<0.005		
2/14/2011	<0.005					<0.005
2/15/2011		<0.005	<0.005	<0.005	<0.005	
3/21/2011	<0.005				<0.005	<0.005
3/22/2011		<0.005	<0.005	<0.005		
4/26/2011	<0.005					
4/27/2011		<0.005	<0.005	<0.005		<0.005
4/28/2011					<0.005	
10/26/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/1/2012					<0.005	<0.005
5/2/2012	<0.005	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005		
11/9/2012					<0.005	<0.005
5/8/2013	<0.005	<0.005	0.0042	<0.005	<0.005	<0.005
11/4/2013		<0.005	<0.005	<0.005	0.0049	<0.005
11/5/2013	<0.005					
5/23/2014	<0.005					
5/24/2014		0.0044	<0.005	<0.005	<0.005	<0.005
11/7/2014	<0.005	<0.005		<0.005	<0.005	<0.005
11/8/2014			<0.005			
5/20/2015						<0.005
5/21/2015	0.0041					
5/22/2015		<0.005	<0.005	<0.005	0.0067 (O)	
11/12/2015	<0.005					
11/13/2015		<0.005	<0.005	<0.005	<0.005	<0.005
4/7/2016	<0.005					
4/8/2016						<0.005
4/11/2016		<0.005	<0.005	<0.005	<0.005	
6/14/2016	<0.005					
6/15/2016		<0.005	<0.005			
6/16/2016				<0.005	<0.005	<0.005
8/9/2016	<0.005					
8/10/2016		<0.005	<0.005	<0.005		
8/11/2016					0.00036 (J)	<0.005
10/11/2016	<0.005	<0.005	<0.005			
10/13/2016				<0.005	0.00035 (J)	0.00046 (J)
12/2/2016	<0.005		<0.005			
12/5/2016		<0.005		<0.005	<0.005	
12/6/2016						<0.005
2/9/2017	<0.005					
2/13/2017		<0.005	<0.005	<0.005	<0.005	0.0025
4/7/2017	0.00092 (J)		0.0021			
4/10/2017		<0.005		<0.005		
4/11/2017					0.0027	0.00089 (J)
6/22/2017	<0.005		<0.005			
6/23/2017		<0.005		<0.005		
6/24/2017					<0.005	<0.005
10/10/2017	<0.005	<0.005	<0.005			
10/11/2017				<0.005	<0.005	<0.005
3/22/2018	<0.005					

Time Series

Constituent: Selenium, T Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.005			
3/26/2018		<0.005		<0.005	<0.005	<0.005
10/3/2018	<0.005					
10/4/2018		0.00032 (J)	<0.005	<0.005	0.0004 (J)	<0.005
3/27/2019	<0.005			<0.005		
3/28/2019		<0.005	<0.005		<0.005	<0.005
9/12/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/10/2020	<0.005	<0.005	<0.005			
9/11/2020				<0.005	<0.005	<0.005
4/5/2021				<0.005	<0.005	
4/6/2021	<0.005	<0.005	<0.005			<0.005

Time Series

Constituent: Silver, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			<0.001	<0.001	<0.001	<0.001
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	<0.001	<0.001	<0.001			
4/5/2021				<0.001	<0.001	<0.001

Time Series

Constituent: Silver, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				<0.001	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	0.813 (J)					
4/7/2016			107.095	0.594 (J)		1.522
4/8/2016		<1			<1	
6/14/2016	<1	<1	160	<1	<1	
6/17/2016						1.1
8/9/2016		<1	130	<1	<1	
8/10/2016	0.9 (J)					1.1
10/10/2016			140	<1		
10/11/2016	0.99 (J)	<1			<1	
10/14/2016						0.89 (J)
12/2/2016	0.99 (J)		150	<1		
12/5/2016		<1			<1	
12/19/2016						1.2
2/9/2017			150			
2/10/2017	1.4	<1		<1	<1	
2/13/2017						1.4
4/7/2017		<1	140	<1	<1	1.2
4/10/2017	1.6					
6/22/2017			160		<1	1.1
6/23/2017	1.8			<1		
6/26/2017		<1				
10/9/2017	2.5	<1				
10/10/2017			160	<1	<1	0.92 (J)
3/22/2018			150 (D)		<1	
3/23/2018				<1		1.3
3/26/2018	2.3	<1 (D)				
10/3/2018	1.9	<1	140			1.2
10/4/2018				<1		
10/5/2018					<1	
3/27/2019	0.81 (J)	<1	140	0.52 (J)	<1	1.6
9/12/2019	1.3	0.38 (J)	170	0.61 (J)	0.4 (J)	1.2
3/19/2020	0.92 (J)	<1	150	0.39 (J)		1.5
3/20/2020					0.58 (J)	
9/10/2020	1.3	<1				
9/11/2020			170	0.99 (J)	0.39 (J)	1.3
4/2/2021	0.99 (J)	<1	180			
4/5/2021				<1	<1	1.3

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	0.507 (J)					
4/8/2016						135.355
4/11/2016		2.15	<1	0.415 (J)	<1	
6/14/2016	<1					
6/15/2016		<1	<1			
6/16/2016				<1	10	140
8/9/2016	<1					
8/10/2016		2.5	<1	<1		
8/11/2016					9.8	130
10/11/2016	<1	2.7	<1			
10/13/2016				<1	11	140
12/2/2016	<1		<1			
12/5/2016		2.6		<1	13	
12/6/2016						150
2/9/2017	<1					
2/13/2017		2.4	<1	<1	14	160
4/7/2017	<1		<1			
4/10/2017		2.3		<1		
4/11/2017					12	130
6/22/2017	<1		<1			
6/23/2017		2.5		<1		
6/24/2017					12	160
10/10/2017	<1	2.5	<1			
10/11/2017				<1	13	160
3/22/2018	<1					
3/23/2018			<1			
3/26/2018		2.4		<1	20	160
10/3/2018	<1					
10/4/2018		2.8	<1	<1	23	170
3/27/2019	0.56 (J)			2.7		
3/28/2019		3.2	0.38 (J)		29	170
9/12/2019	0.77 (J)	3.2	<1	0.65 (J)	34	170
3/19/2020	0.56 (J)	3.2	<1	0.71 (J)	40	170
9/10/2020	0.42 (J)	2.7	<1			
9/11/2020				2.6	39	160
4/5/2021				1.7	57	
4/6/2021	<1	2.5	<1			160

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			0.00026 (J)	<0.001	<0.001	
12/21/2010						<0.001
12/22/2010	<0.001	<0.001				
2/1/2011				<0.001	<0.001	
2/14/2011	<0.001	<0.001	<0.001			<0.001
3/21/2011			<0.001	<0.001		
3/22/2011	<0.001	<0.001				
3/23/2011					<0.001	<0.001
4/26/2011	<0.001	<0.001	<0.001	<0.001		
4/27/2011					<0.001	<0.001
10/25/2011						<0.001
10/26/2011			<0.001		<0.001	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	<0.001	<0.001		<0.001	<0.001
5/2/2012				<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/7/2013	<0.001	<0.001		<0.001	<0.001	<0.001
5/8/2013			<0.001			
11/4/2013	0.00025 (J)	<0.001	<0.001	<0.001		
11/5/2013					<0.001	<0.001
5/23/2014					<0.001	<0.001
5/24/2014	<0.001	<0.001	<0.001	<0.001		
11/7/2014			0.00032	<0.001	<0.001	<0.001
11/8/2014	0.00048	0.00086				
5/20/2015			<0.001	<0.001		
5/21/2015	<0.001	<0.001			<0.001	<0.001
11/12/2015					<0.001	<0.001
11/13/2015	<0.001	<0.001	<0.001	<0.001		
4/6/2016	<0.001					
4/7/2016			<0.001	<0.001		<0.001
4/8/2016		<0.001			<0.001	
6/14/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/17/2016						<0.001
8/9/2016		<0.001	<0.001	<0.001	<0.001	
8/10/2016	<0.001					<0.001
10/10/2016			<0.001	<0.001		
10/11/2016	<0.001	<0.001			<0.001	
10/14/2016						<0.001
12/2/2016	<0.001		<0.001	<0.001		
12/5/2016		<0.001			<0.001	
12/19/2016						<0.001
2/9/2017			<0.001			
2/10/2017	<0.001	<0.001		<0.001	<0.001	
2/13/2017						<0.001
4/7/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017	<0.001					
6/22/2017			<0.001		<0.001	<0.001
6/23/2017	<0.001			<0.001		
6/26/2017		<0.001				
10/9/2017	<0.001	<0.001				
10/10/2017			<0.001	<0.001	<0.001	<0.001
3/22/2018			<0.001 (D)		<0.001	

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
3/23/2018				<0.001		<0.001
3/26/2018	<0.001	<0.001 (D)				
10/3/2018	<0.001	<0.001	<0.001			<0.001
10/4/2018				<0.001		
10/5/2018					<0.001	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	0.00036 (J)	<0.001		0.00018 (J)
3/20/2020					<0.001	
9/10/2020	<0.001	<0.001				
9/11/2020			<0.001	<0.001	<0.001	<0.001
4/2/2021	0.00016 (J)	0.00036 (J)	<0.001			
4/5/2021				<0.001	<0.001	0.00043 (J)

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	<0.001				<0.001	
12/22/2010		<0.001	<0.001	<0.001		
2/14/2011	<0.001					<0.001
2/15/2011		<0.001	<0.001	<0.001	<0.001	
3/21/2011	<0.001				<0.001	<0.001
3/22/2011		<0.001	<0.001	<0.001		
4/26/2011	<0.001					
4/27/2011		<0.001	<0.001	<0.001		<0.001
4/28/2011					<0.001	
10/26/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/1/2012					<0.001	<0.001
5/2/2012	<0.001	<0.001	<0.001	<0.001		
11/8/2012	<0.001	<0.001	<0.001	<0.001		
11/9/2012					<0.001	<0.001
5/8/2013	<0.001	<0.001	0.00028	<0.001	<0.001	<0.001
11/4/2013		<0.001	<0.001	<0.001	<0.001	<0.001
11/5/2013	<0.001					
5/23/2014	<0.001					
5/24/2014		<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2014	<0.001	<0.001		<0.001	<0.001	<0.001
11/8/2014			<0.001			
5/20/2015						<0.001
5/21/2015	<0.001					
5/22/2015		<0.001	<0.001	<0.001	<0.001	
11/12/2015	<0.001					
11/13/2015		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2016	<0.001					
4/8/2016						<0.001
4/11/2016		<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001					
6/15/2016		<0.001	<0.001			
6/16/2016				<0.001	<0.001	<0.001
8/9/2016	<0.001					
8/10/2016		<0.001	<0.001	<0.001		
8/11/2016					<0.001	<0.001
10/11/2016	<0.001	<0.001	<0.001			
10/13/2016				<0.001	<0.001	<0.001
12/2/2016	<0.001		<0.001			
12/5/2016		<0.001		<0.001	<0.001	
12/6/2016						<0.001
2/9/2017	<0.001					
2/13/2017		<0.001	<0.001	<0.001	<0.001	<0.001
4/7/2017	<0.001		<0.001			
4/10/2017		<0.001		<0.001		
4/11/2017					<0.001	<0.001
6/22/2017	<0.001		<0.001			
6/23/2017		<0.001		<0.001		
6/24/2017					<0.001	<0.001
10/10/2017	<0.001	<0.001	<0.001			
10/11/2017				<0.001	<0.001	<0.001
3/22/2018	<0.001					

Time Series

Constituent: Thallium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
3/23/2018			<0.001			
3/26/2018		<0.001		<0.001	<0.001	<0.001
10/3/2018	<0.001					
10/4/2018		<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2019	<0.001			<0.001		
3/28/2019		<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/19/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001			
9/11/2020				<0.001	<0.001	<0.001
4/5/2021				0.00022 (J)	<0.001	
4/6/2021	<0.001	<0.001	<0.001			<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
4/6/2016	51					
4/7/2016			237	69		100
4/8/2016		74			89	
6/14/2016	62	111	240	<25	55	
6/17/2016						69
8/9/2016		44	230	40	90	
8/10/2016	70					110
10/10/2016			240	34		
10/11/2016	84	64			86	
10/14/2016						100
12/2/2016	74		270	50		
12/5/2016		52			74	
12/19/2016						100
2/9/2017			240			
2/10/2017	100	86		60	100	
2/13/2017						80
4/7/2017		68	260	70	92	86
4/10/2017	82					
6/22/2017			300		64	72
6/23/2017	72			42		
6/26/2017		76				
10/9/2017	82	50				
10/10/2017			280	34	68	70
3/22/2018			310		92	
3/23/2018				52		86
3/26/2018	94	56				
10/3/2018	72	42	190			88
10/4/2018				48		
10/5/2018					90	
3/27/2019	98	76	290	66	94	100
9/12/2019	130	72	340	97	88	110
3/19/2020	100	65	310	51		97
3/20/2020					99	
9/10/2020	110	56				
9/11/2020			340	51	110	120
4/2/2021	100	69	360			
4/5/2021				46	63	99

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
4/7/2016	114					
4/8/2016						237
4/11/2016		88	79	88	103	
6/14/2016	56 (O)					
6/15/2016		114	79			
6/16/2016				74	117	231
8/9/2016	100					
8/10/2016		82	72	66		
8/11/2016					94	190
10/11/2016	110	92	76			
10/13/2016				72	110	230
12/2/2016	94		60			
12/5/2016		86		70	130	
12/6/2016						260
2/9/2017	100					
2/13/2017		62	58	12 (O)	92	230
4/7/2017	100		68			
4/10/2017		60		80		
4/11/2017					120	210
6/22/2017	110		16			
6/23/2017		74		66		
6/24/2017					120	250
10/10/2017	100	86	44			
10/11/2017				56	120	280
3/22/2018	100					
3/23/2018			96			
3/26/2018		58 (J)		72	98	240
10/3/2018	96					
10/4/2018		130	110	96	190	320
3/27/2019	120			76		
3/28/2019		88	65		140	280
9/12/2019	120	110	89	110	160	300
3/19/2020	110	110	64	66	160	270
9/10/2020	130	120	82			
9/11/2020				87	170	290
4/5/2021				66	170	
4/6/2021	110	110	49			250

Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.001	0.0024 (J)	0.0051 (J)	
12/21/2010						0.0091 (J)
12/22/2010	<0.001	<0.001				
2/1/2011				0.0021 (J)	0.012	
2/14/2011	<0.001	<0.001	<0.001			0.013
3/21/2011			<0.001	0.0025 (J)		
3/22/2011	0.0028 (J)	0.0032 (J)				
3/23/2011					0.015	<0.001
4/26/2011	0.0025 (J)	<0.001	0.0022 (J)	0.0033 (J)		
4/27/2011					0.022	0.0078 (J)
10/25/2011						0.012 (O)
10/26/2011			<0.001		0.0043 (J)	
10/27/2011	<0.001	<0.001		<0.001		
5/1/2012	<0.001	0.0037 (J)	0.0036 (J)		0.0069 (J)	0.019
5/2/2012				0.0051 (J)		
11/8/2012	<0.001	<0.001	0.0062 (O)	0.02 (O)	0.013	0.015
5/7/2013	<0.001	0.0041 (J)		0.0036 (J)	0.017	0.017
5/8/2013			<0.001			
11/4/2013	<0.001	<0.001	<0.001	0.0043 (J)		
11/5/2013					0.013	0.015
5/23/2014					0.041	0.017
5/24/2014	<0.001	<0.001	<0.001	0.0033 (J)		
11/7/2014			<0.001	<0.001	0.0069 (J)	0.013
11/8/2014	<0.001	<0.001				
5/20/2015			<0.001	0.0062 (J)		
5/21/2015	<0.001	0.0052 (J)			0.016	0.016
11/12/2015					0.013	0.018
11/13/2015	<0.001	<0.001	<0.001	0.0046 (J)		
4/6/2016	0.00201 (J)					
4/7/2016			<0.001	0.00293 (J)		0.016
4/8/2016		<0.001 (D)			<0.001 (D)	
10/10/2016			<0.001	0.0031		
10/11/2016	<0.001	<0.001			0.011	
10/14/2016						0.018
4/7/2017		0.0033	<0.001	0.0041	0.0073	0.017
4/10/2017	0.002 (J)					
10/9/2017	<0.001	<0.001				
10/10/2017			0.0014 (J)	<0.001	0.0032	0.015
3/22/2018			<0.001 (D)		0.0068	
3/23/2018				0.0032		0.016
3/26/2018	0.0014 (J)	0.0029				
10/3/2018	0.0023 (J)	0.0022 (J)	<0.001			0.017
10/4/2018				<0.001 (X)		
10/5/2018					<0.001 (X)	
3/27/2019	0.0072 (O)	0.0071 (O)	0.0023 (J)	0.0072	0.012	0.022
9/12/2019	0.0031	0.0025	0.0017	0.0033	0.0075	0.019
3/19/2020	0.003	0.0052	0.0031	0.0033		0.019
3/20/2020					0.0086	
9/10/2020	0.0027	0.0025				
9/11/2020			0.0015	0.0026	0.007	0.017
4/2/2021	0.0029	0.0045	0.0014			
4/5/2021				0.003	0.0085	0.019

Time Series

Constituent: Vanadium, Total (mg/L) Analysis Run 6/21/2021 1:42 PM

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						<0.001
12/21/2010	0.016				<0.001	
12/22/2010		0.0037 (J)	<0.001	0.0027 (J)		
2/14/2011	0.016					<0.001
2/15/2011		0.0043 (J)	<0.001	0.0036 (J)	0.0098 (J)	
3/21/2011	0.018				0.012	<0.001
3/22/2011		0.0039 (J)	0.0034 (J)	<0.001		
4/26/2011	0.018					
4/27/2011		0.0035 (J)	0.0032 (J)	0.0046 (J)		<0.001
4/28/2011					0.011	
10/26/2011	0.018	0.0047 (J)	<0.001	<0.001	0.012	<0.001
5/1/2012					0.011	0.0032 (J)
5/2/2012	0.021	0.0064 (J)	0.0039 (J)	0.0055 (J)		
11/8/2012	0.019	0.0051 (J)	0.0034 (J)	0.0042 (J)		
11/9/2012					0.011	<0.001
5/8/2013	0.02	0.0046 (J)	<0.001	0.0046 (J)	<0.001	<0.001
11/4/2013		0.0039 (J)	0.0035 (J)	0.0042 (J)	0.011	<0.001
11/5/2013	0.018					
5/23/2014	0.018					
5/24/2014		0.0053 (J)	0.0036 (J)	0.0061 (J)	0.012	<0.001
11/7/2014	0.018	0.0034 (J)		0.0032 (J)	0.01	<0.001
11/8/2014			<0.001			
5/20/2015						0.0065
5/21/2015	0.02					
5/22/2015		0.0068 (J)	0.0044 (J)	0.0056 (J)	0.013	
11/12/2015	0.016					
11/13/2015		0.0044 (J)	<0.001	<0.001	0.014	<0.001
4/7/2016	0.0182					
4/8/2016						0.0136 (O)
4/11/2016		0.00381 (J)	0.00254 (J)	0.00415 (J)	0.0107	
10/11/2016	0.023	<0.001	<0.001			
10/13/2016				<0.001	0.011	<0.001
4/7/2017	0.02		0.0024 (J)			
4/10/2017		0.0038		0.0043		
4/11/2017					0.011	<0.001
10/10/2017	0.016	0.0053	<0.001			
10/11/2017				0.0052	0.012	0.0019 (J)
3/22/2018	0.018					
3/23/2018			0.0023 (J)			
3/26/2018		0.0037		0.004	0.0096	<0.001
10/3/2018	0.018					
10/4/2018		<0.001 (X)	<0.001 (X)	<0.001 (X)	0.013	<0.001 (X)
3/27/2019	0.021			0.0087		
3/28/2019		0.0079	0.0053		0.01	0.0041
9/12/2019	0.02	0.0054	0.0028	0.0047	0.011	<0.001
3/19/2020	0.02	0.0044	0.0027	0.0046	0.01	<0.001
9/10/2020	0.018	0.0049	0.0026			
9/11/2020				0.0042	0.0099	<0.001
4/5/2021				0.0059	0.011	
4/6/2021	0.021	0.0045	0.0026			<0.001

Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-22 (bg)	GWA-45 (bg)	GWA-46 (bg)	GWA-47 (bg)	GWA-48 (bg)
12/20/2010			<0.005	<0.005	<0.005	
12/21/2010						<0.005
12/22/2010	<0.005	<0.005				
2/1/2011				<0.005	<0.005	
2/14/2011	<0.005	<0.005	<0.005			<0.005
3/21/2011			<0.005	<0.005		
3/22/2011	<0.005	<0.005				
3/23/2011					<0.005	<0.005
4/26/2011	<0.005	<0.005	<0.005	<0.005		
4/27/2011					<0.005	<0.005
10/25/2011						<0.005
10/26/2011			<0.005		<0.005	
10/27/2011	<0.005	<0.005		<0.005		
5/1/2012	<0.005	<0.005	<0.005		<0.005	<0.005
5/2/2012				<0.005		
11/8/2012	<0.005	<0.005	<0.005	0.013 (O)	<0.005	<0.005
5/7/2013	<0.005	<0.005		<0.005	0.0087	<0.005
5/8/2013			<0.005			
11/4/2013	<0.005	<0.005	<0.005	<0.005		
11/5/2013					<0.005	<0.005
5/23/2014					0.014 (O)	<0.005
5/24/2014	<0.005	<0.005	<0.005	<0.005		
11/7/2014			<0.005	<0.005	<0.005	<0.005
11/8/2014	<0.005	<0.005				
5/20/2015			<0.005	<0.005		
5/21/2015	<0.005	<0.005			<0.005	<0.005
11/12/2015					<0.005	<0.005
11/13/2015	<0.005	0.039 (O)	<0.005	<0.005		
4/6/2016	<0.005					
4/7/2016			0.00345 (J)	0.00265 (J)		0.00287 (J)
10/10/2016			<0.005	<0.005		
10/11/2016	<0.005	<0.005			<0.005	
10/14/2016						<0.005
4/7/2017		<0.005	<0.005	<0.005	<0.005	<0.005
4/10/2017	<0.005					
10/9/2017	<0.005	<0.005				
10/10/2017			<0.005	0.0096 (J)	<0.005	<0.005
3/22/2018			<0.005 (D)		<0.005	
3/23/2018				<0.005		<0.005
3/26/2018	<0.005	<0.005 (D)				
10/3/2018	<0.005	<0.005	<0.005			<0.005
10/4/2018				<0.005		
10/5/2018					<0.005	
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0046 (J)	0.0085	0.0095	0.0091	0.0049 (J)	0.0048 (J)
3/19/2020	<0.005	<0.005	0.0037 (J)	0.0035 (J)		<0.005
3/20/2020					<0.005	
9/10/2020	0.0048 (J)	<0.005				
9/11/2020			0.0098	0.0038 (J)	<0.005	<0.005
4/2/2021	<0.005	<0.005	0.0058			
4/5/2021				0.0049 (J)	<0.005	<0.005

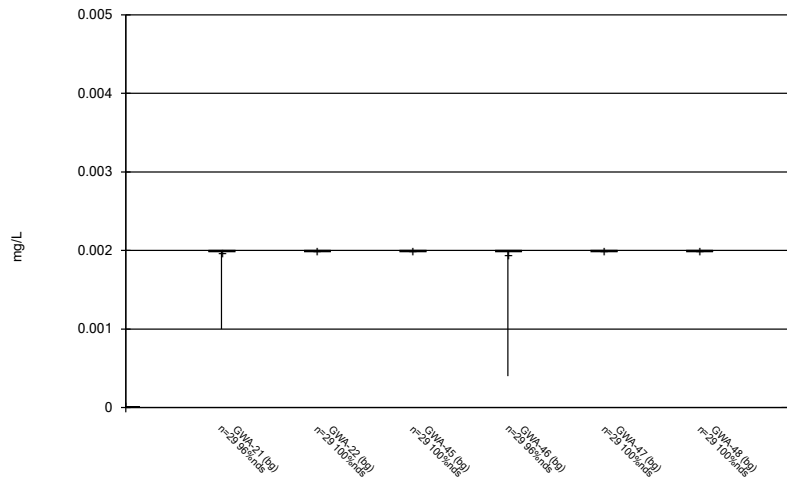
Time Series

Constituent: Zinc, Total (mg/L) Analysis Run 6/21/2021 1:42 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49 (bg)	GWC-29	GWC-50	GWC-51	GWC-52	GWC-53
12/20/2010						0.0095 (J)
12/21/2010	<0.005				<0.005	
12/22/2010		<0.005	<0.005	<0.005		
2/14/2011	<0.005					0.0092 (J)
2/15/2011		<0.005	<0.005	<0.005	<0.005	
3/21/2011	<0.005				<0.005	0.011 (J)
3/22/2011		<0.005	<0.005	<0.005		
4/26/2011	<0.005					
4/27/2011		<0.005	<0.005	<0.005		0.0096 (J)
4/28/2011					<0.005	
10/26/2011	<0.005	<0.005	<0.005	<0.005	<0.005	0.011 (J)
5/1/2012					<0.005	0.012 (J)
5/2/2012	<0.005	<0.005	<0.005	<0.005		
11/8/2012	<0.005	<0.005	<0.005	<0.005		
11/9/2012					<0.005	0.014 (J)
5/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005	0.016 (J)
11/4/2013		<0.005	<0.005	<0.005	<0.005	0.014 (J)
11/5/2013	<0.005					
5/23/2014	<0.005					
5/24/2014		<0.005	<0.005	<0.005	<0.005	0.013 (J)
11/7/2014	<0.005	<0.005		<0.005	<0.005	0.014 (J)
11/8/2014			<0.005			
5/20/2015						0.015 (J)
5/21/2015	<0.005					
5/22/2015		<0.005	<0.005	<0.005	<0.005	
11/12/2015	<0.005					
11/13/2015		<0.005	<0.005	<0.005	<0.005	0.015 (J)
4/7/2016	0.00208 (J)					
4/11/2016		<0.005	<0.005	0.00333 (J)	<0.005	
10/11/2016	<0.005	<0.005	<0.005			
10/13/2016				<0.005	<0.005	0.015 (J)
4/7/2017	<0.005		<0.005			
4/10/2017		<0.005		<0.005		
4/11/2017					0.0065 (J)	0.015 (J)
10/10/2017	<0.005	<0.005	<0.005			
10/11/2017				<0.005	<0.005	0.019 (J)
3/22/2018	<0.005					
3/23/2018			<0.005			
3/26/2018		<0.005		<0.005	<0.005	0.016 (J)
10/3/2018	<0.005					
10/4/2018		<0.005	0.0076	<0.005	<0.005	0.017 (J)
3/27/2019	<0.005			<0.005		
3/28/2019		<0.005	<0.005		<0.005	0.013 (J)
9/12/2019	0.0041 (J)	0.0058	0.0057	0.0042 (J)	0.0073	0.02
3/19/2020	<0.005	<0.005	0.0037 (J)	<0.005	<0.005	0.014
9/10/2020	<0.005	<0.005	<0.005			
9/11/2020				<0.005	<0.005	0.014
4/5/2021				<0.005	<0.005	
4/6/2021	<0.005	<0.005	<0.005			0.014

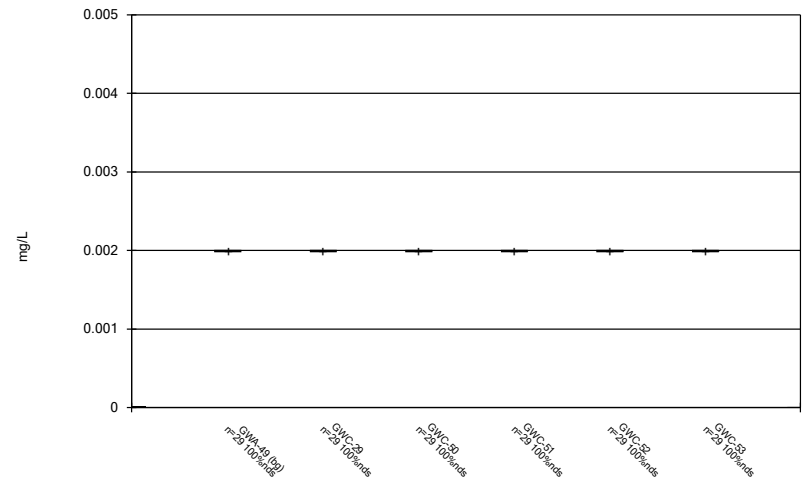
FIGURE B.

Box & Whiskers Plot



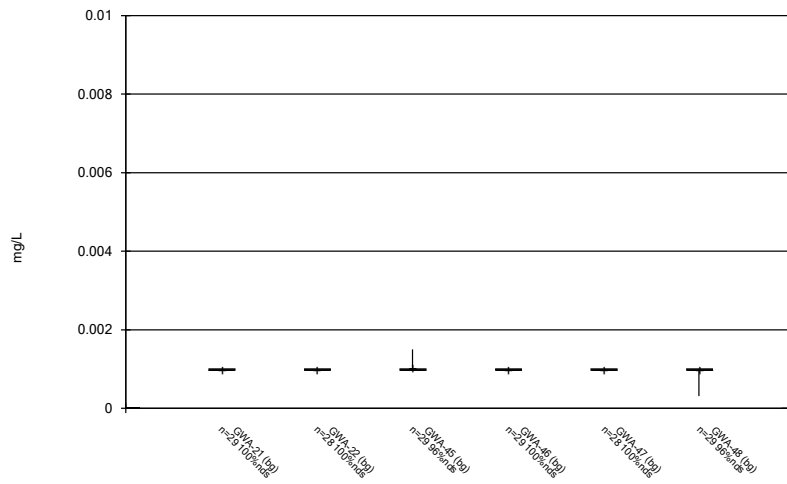
Constituent: Antimony, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



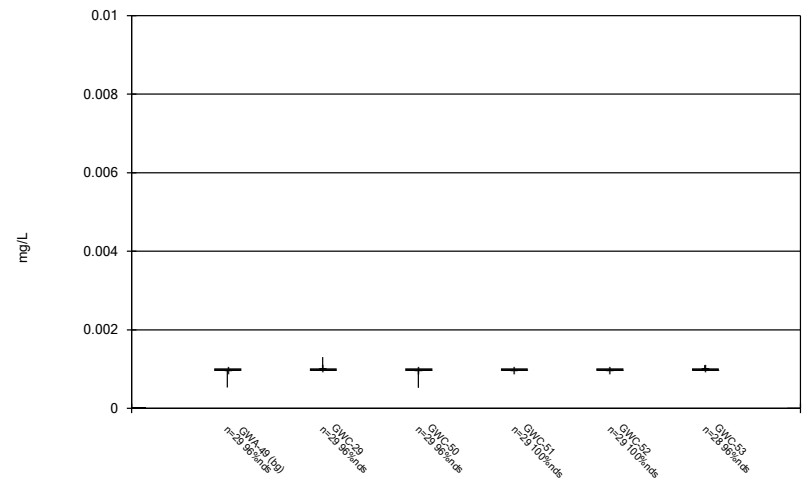
Constituent: Antimony, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



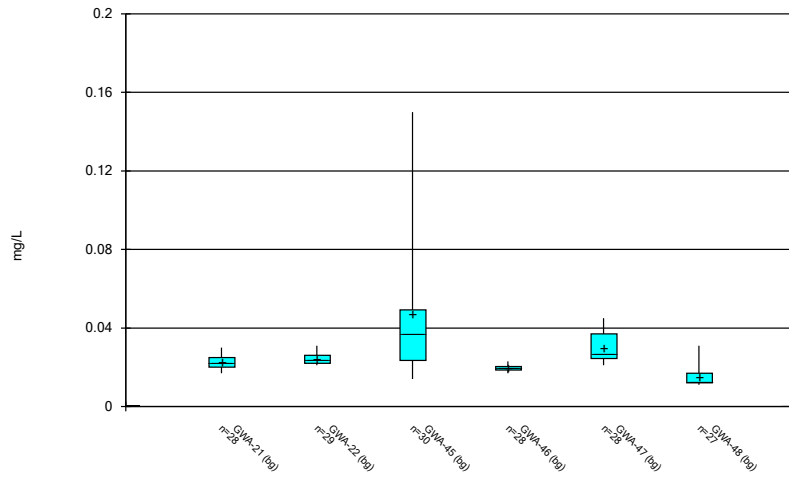
Constituent: Arsenic, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



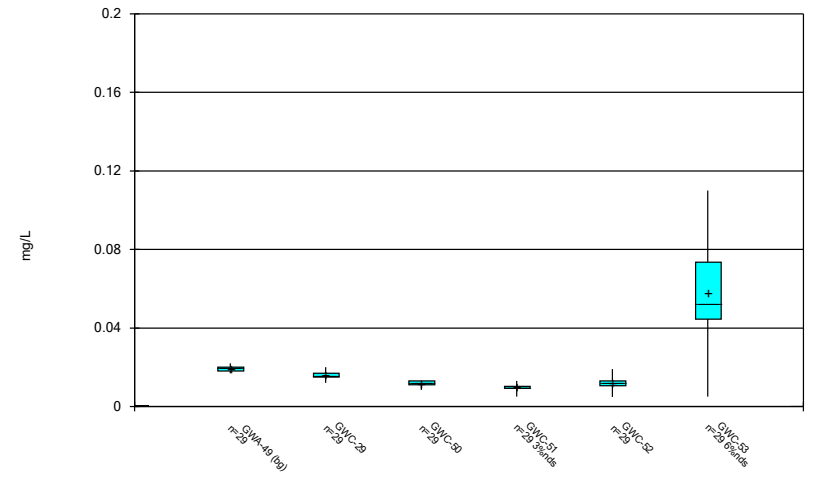
Constituent: Arsenic, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



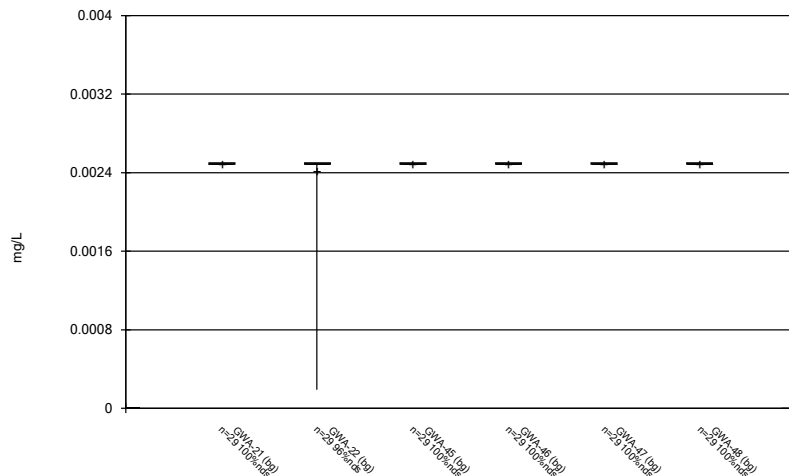
Constituent: Barium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



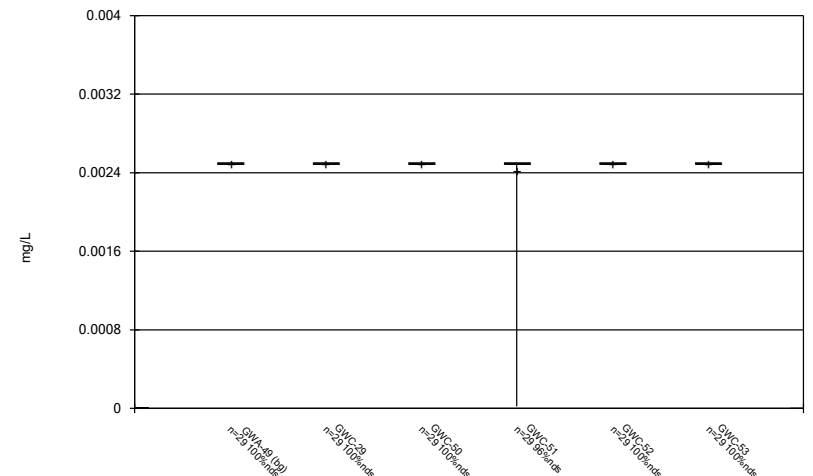
Constituent: Barium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



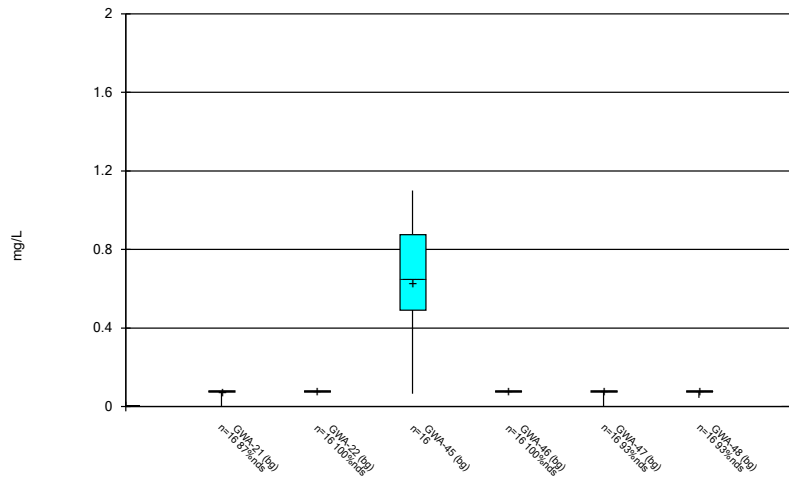
Constituent: Beryllium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



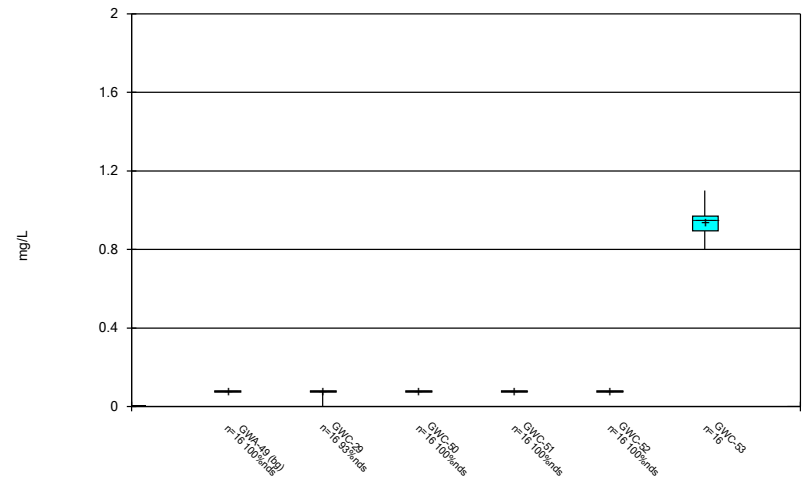
Constituent: Beryllium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



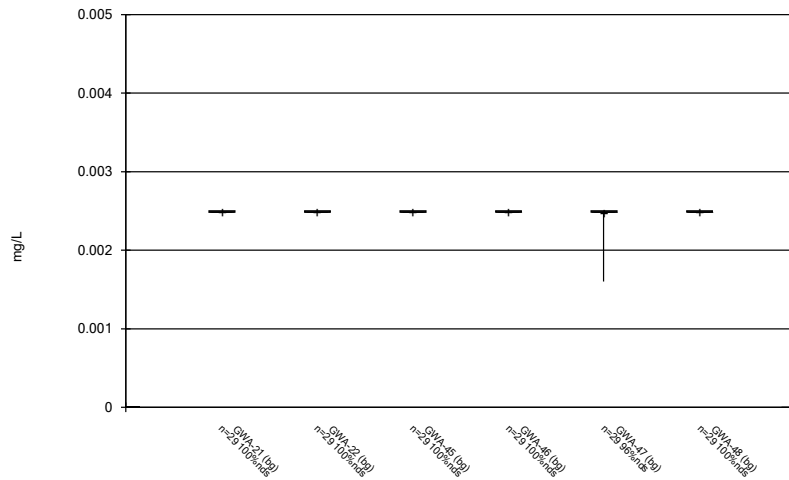
Constituent: Boron, total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



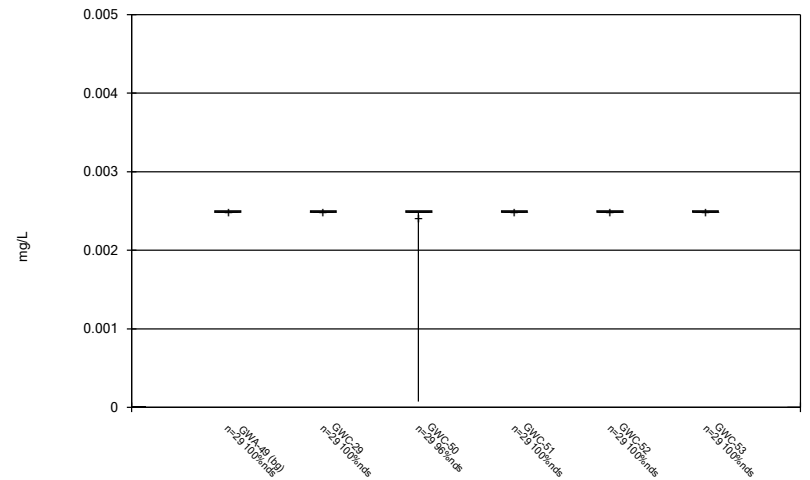
Constituent: Boron, total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



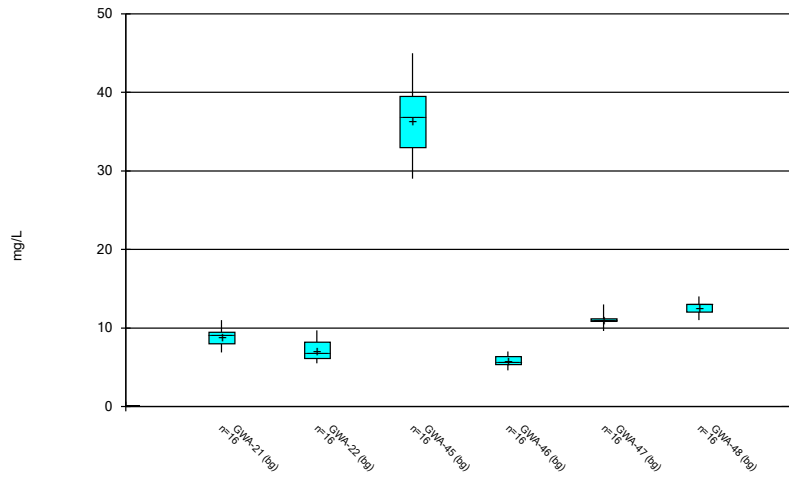
Constituent: Cadmium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



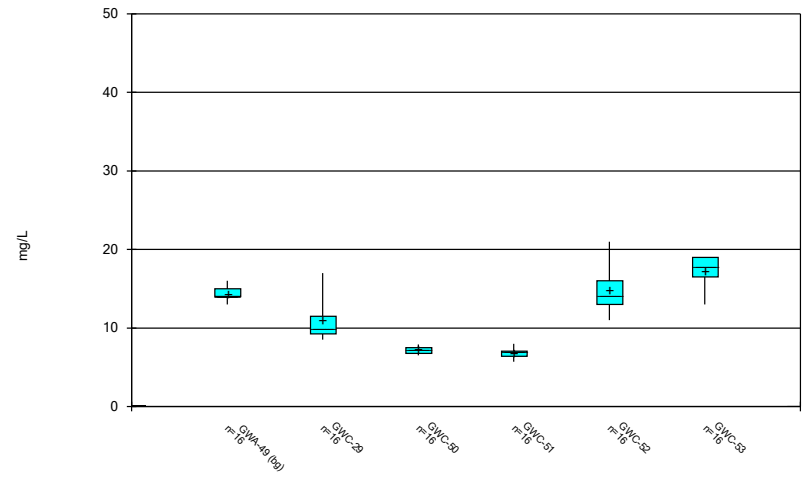
Constituent: Cadmium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



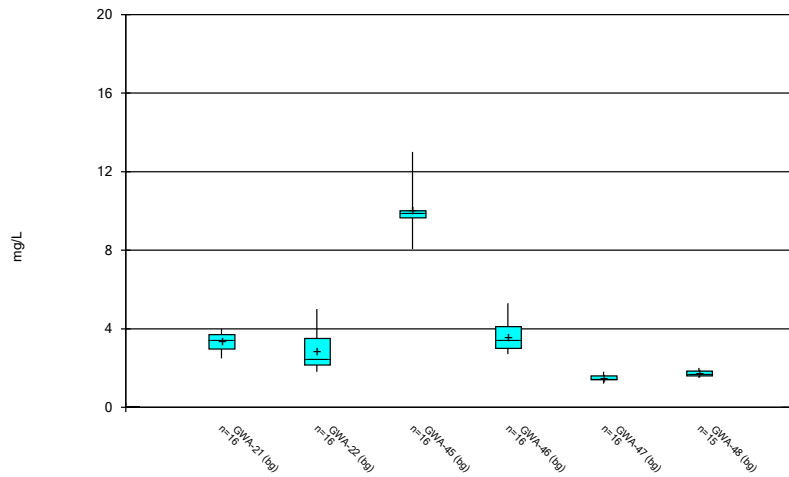
Constituent: Calcium, total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



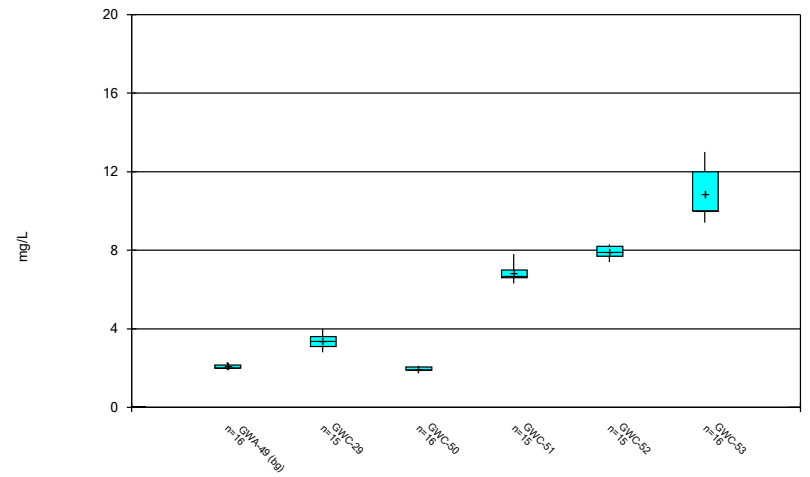
Constituent: Calcium, total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



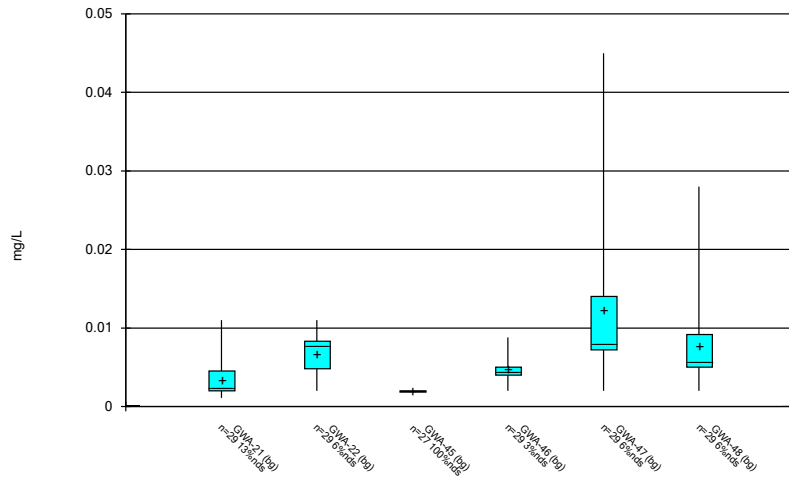
Constituent: Chloride, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



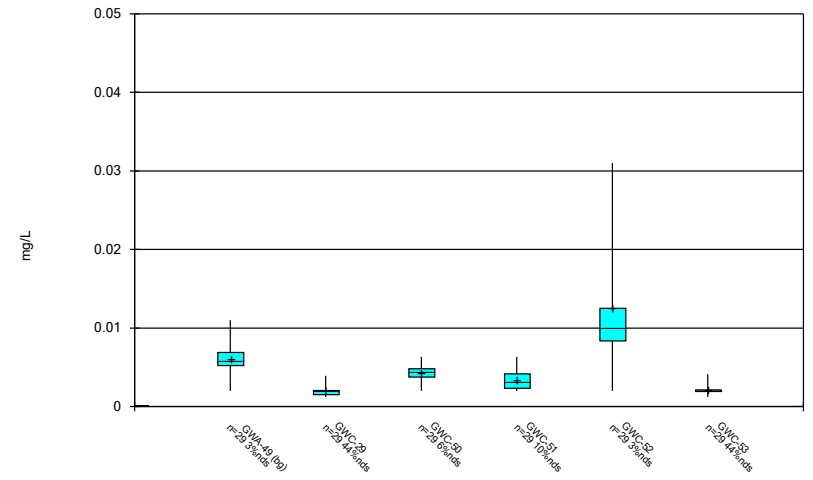
Constituent: Chloride, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



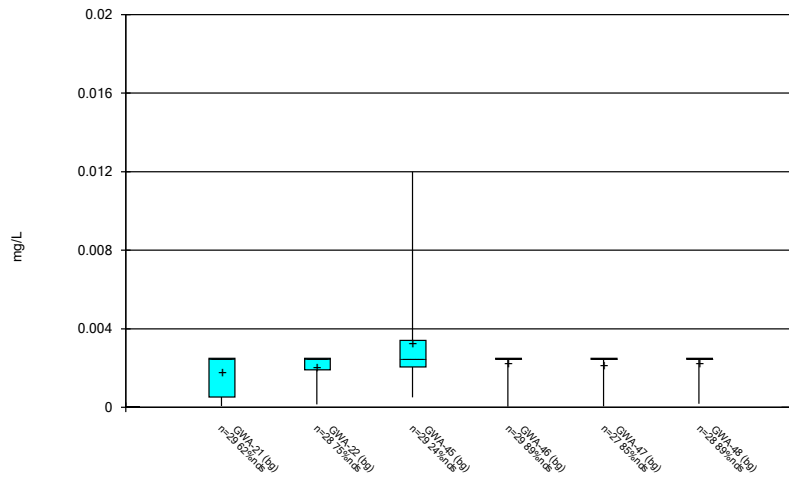
Constituent: Chromium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



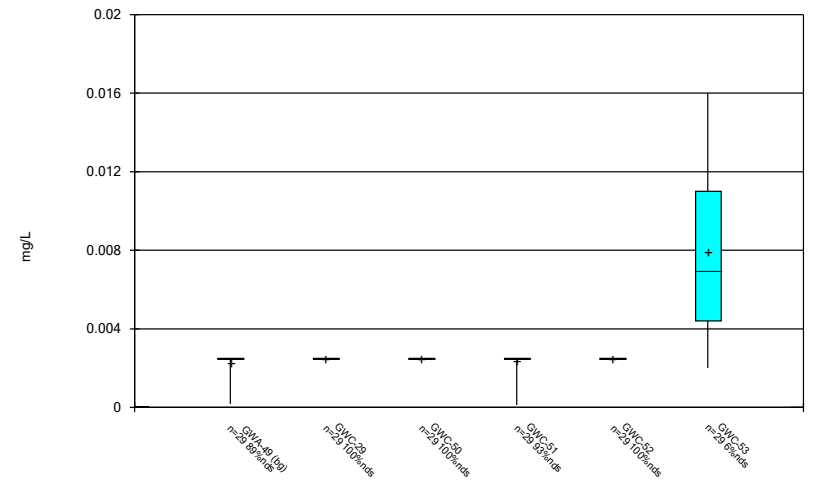
Constituent: Chromium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



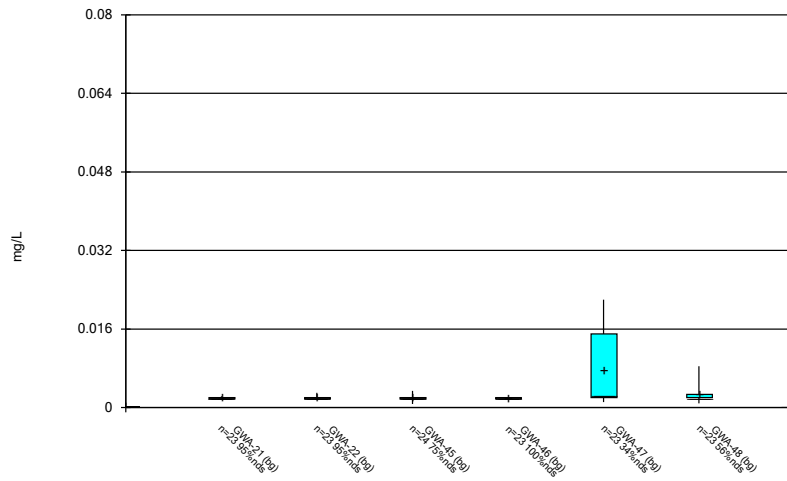
Constituent: Cobalt, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



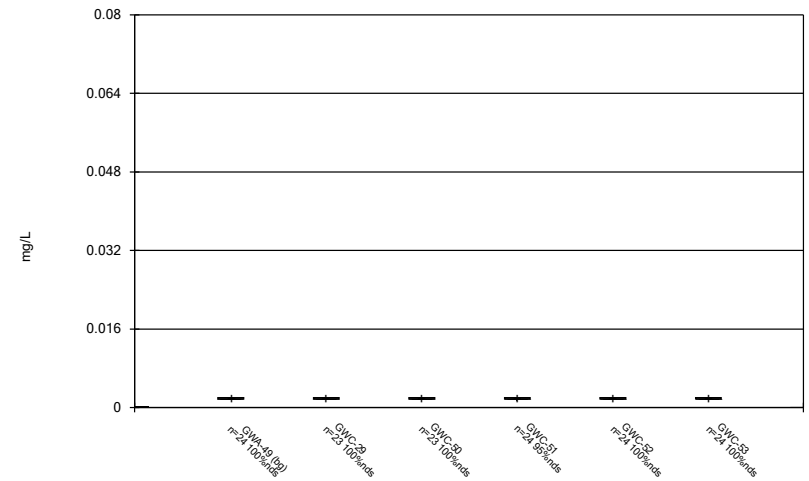
Constituent: Cobalt, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



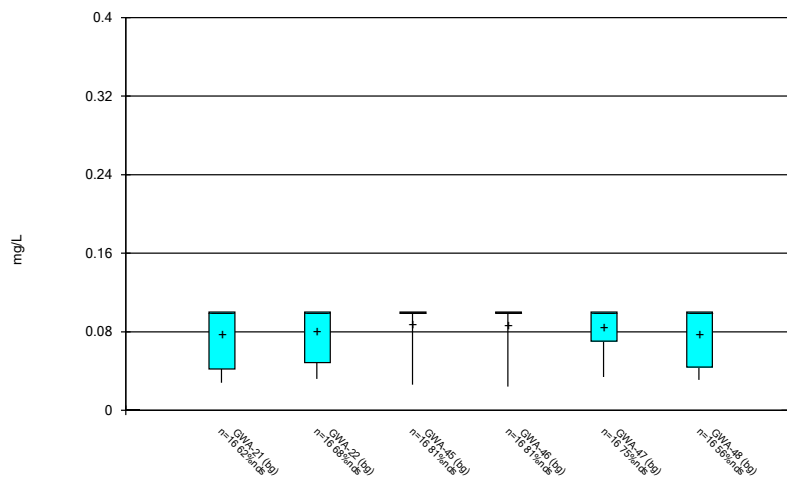
Constituent: Copper, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



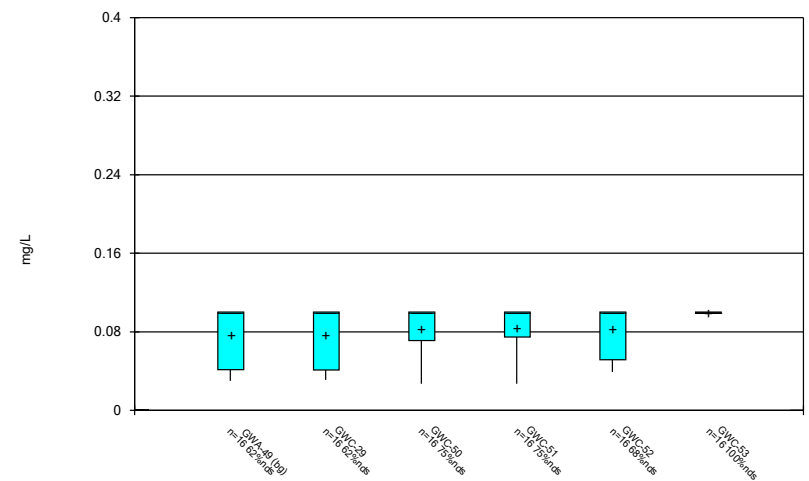
Constituent: Copper, Total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



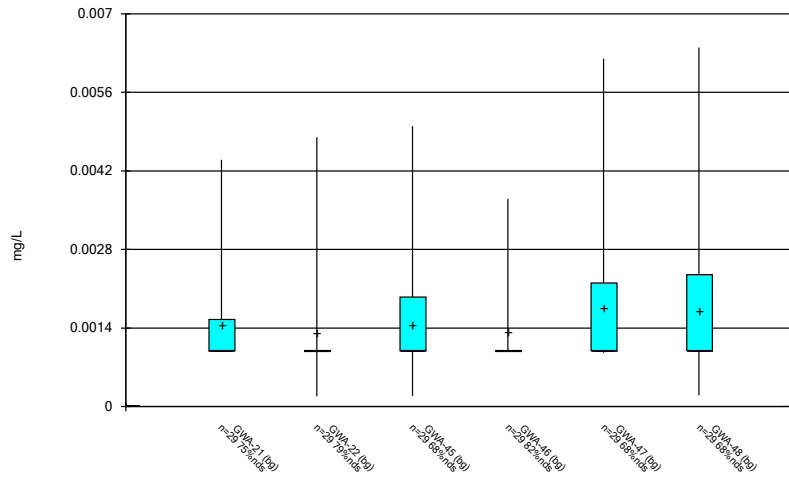
Constituent: Fluoride, total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



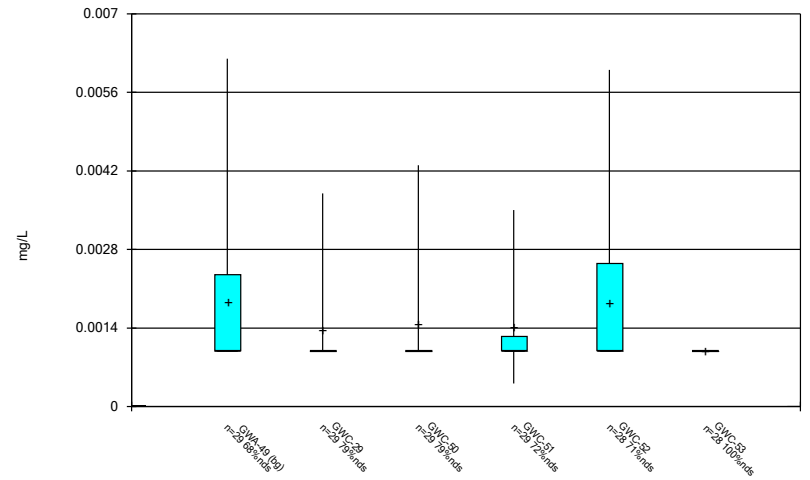
Constituent: Fluoride, total Analysis Run 6/23/2021 4:07 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



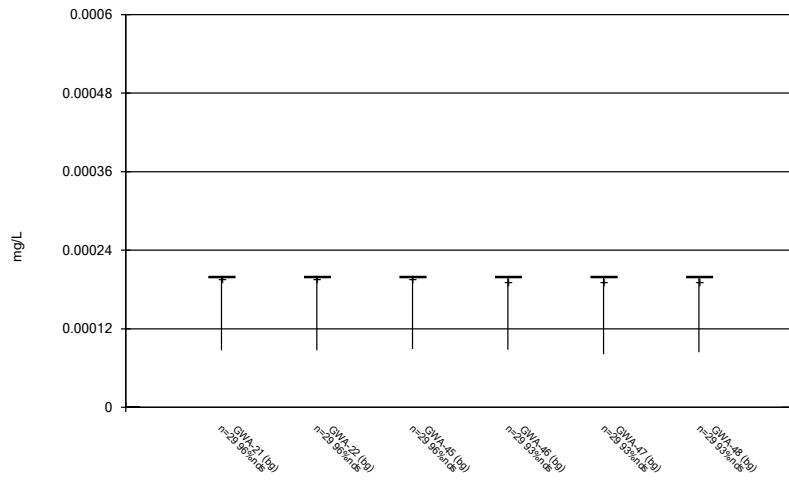
Constituent: Lead, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



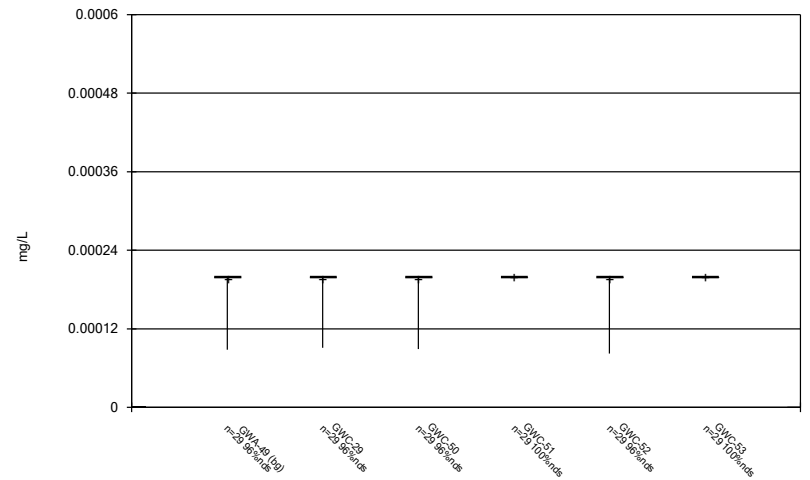
Constituent: Lead, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



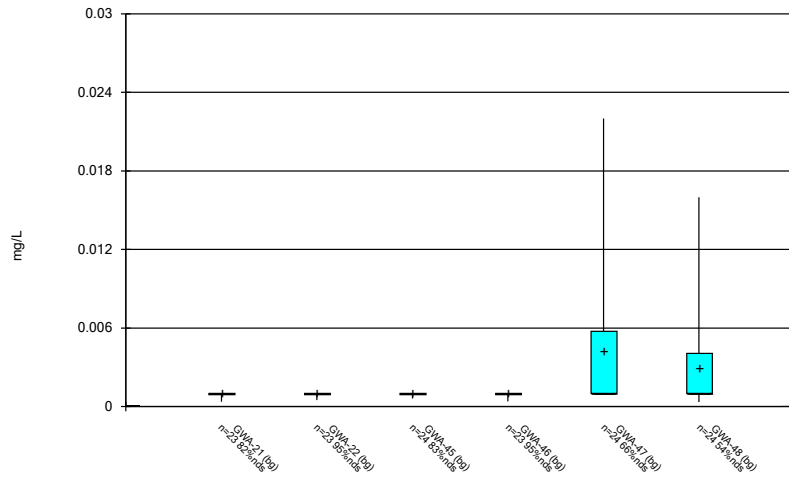
Constituent: Mercury, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



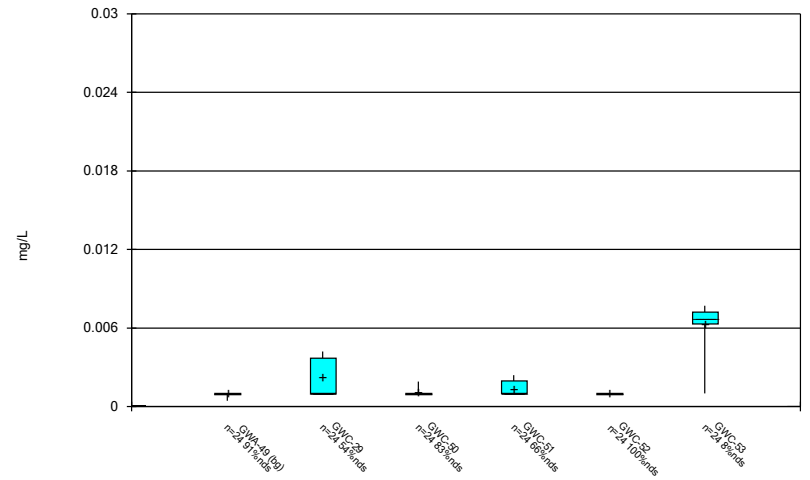
Constituent: Mercury, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



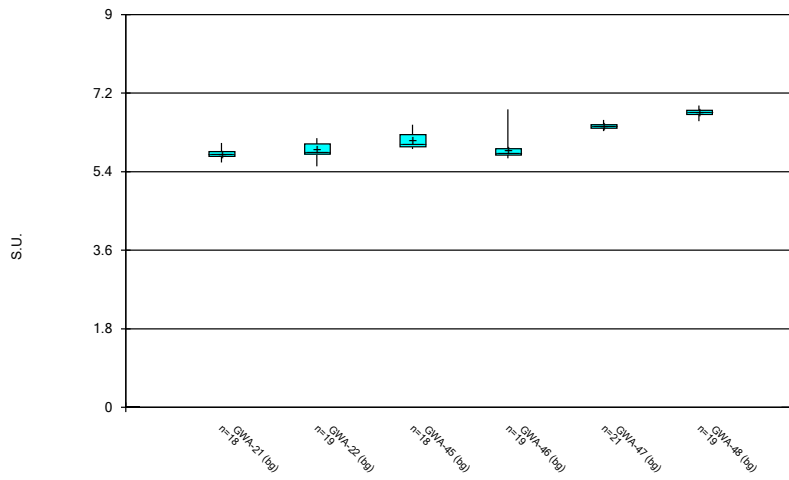
Constituent: Nickel, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



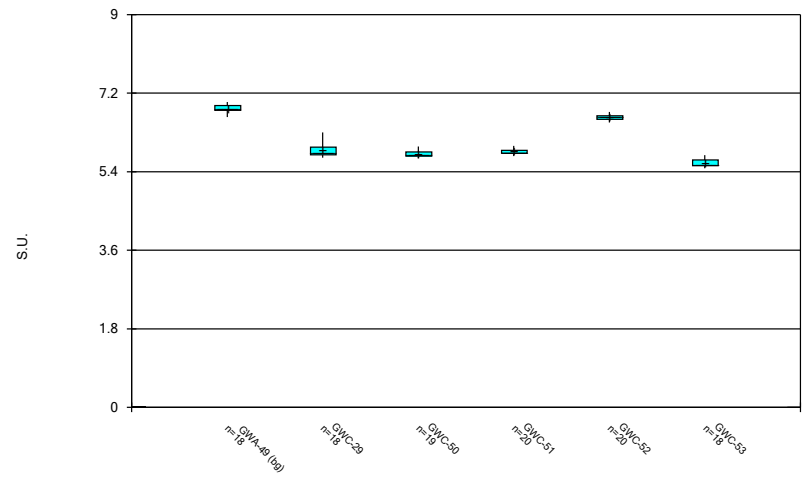
Constituent: Nickel, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



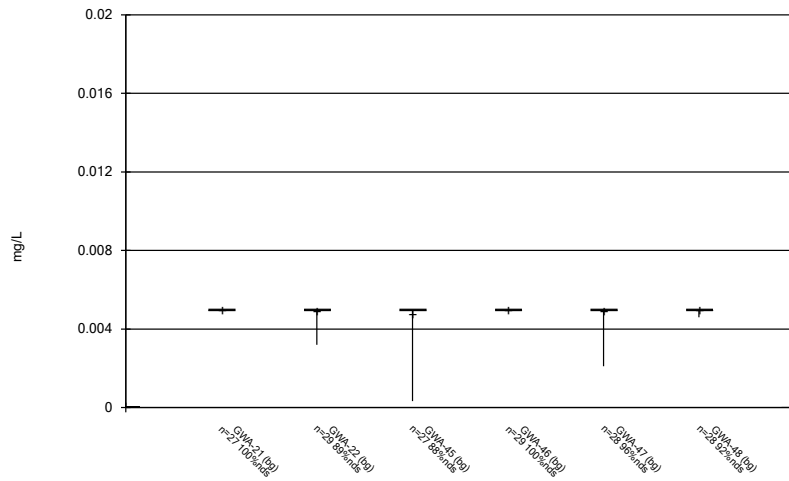
Constituent: pH Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



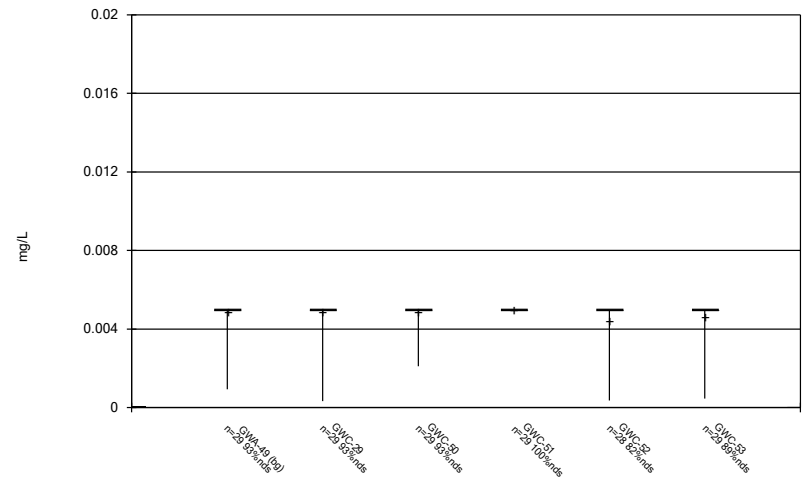
Constituent: pH Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



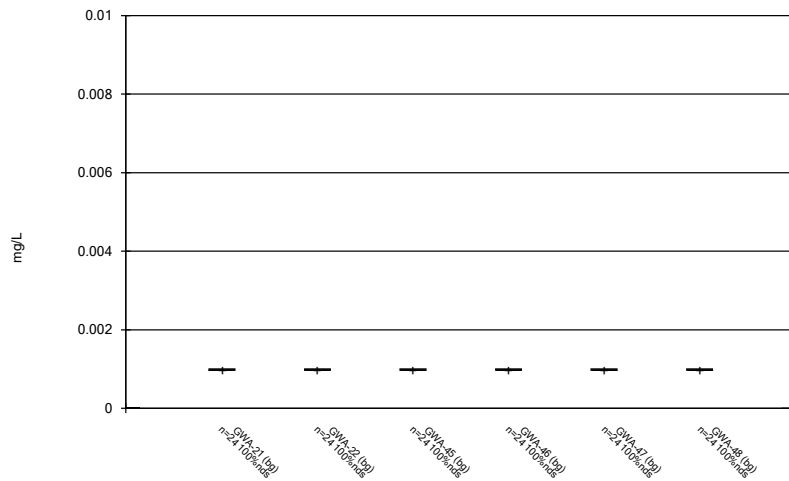
Constituent: Selenium, Total Analysis Run 6/23/2021 4:07 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



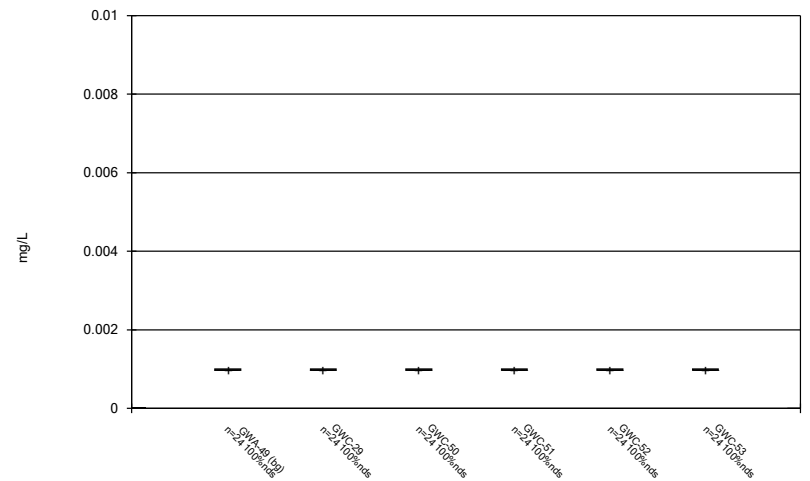
Constituent: Selenium, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



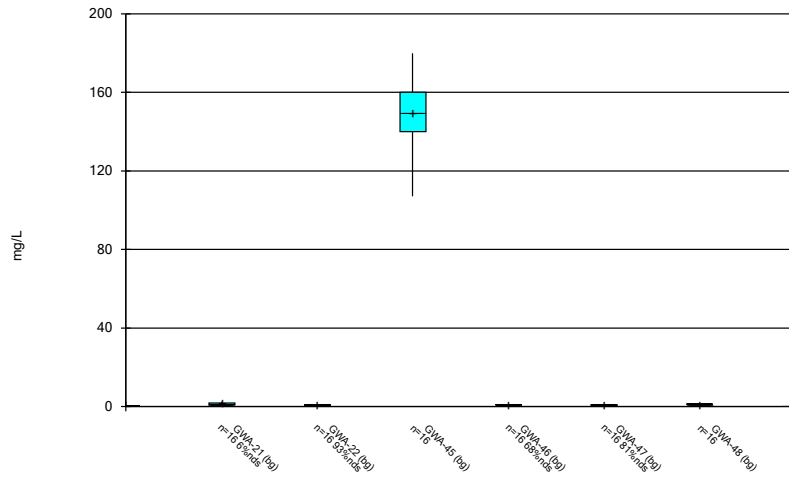
Constituent: Silver, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



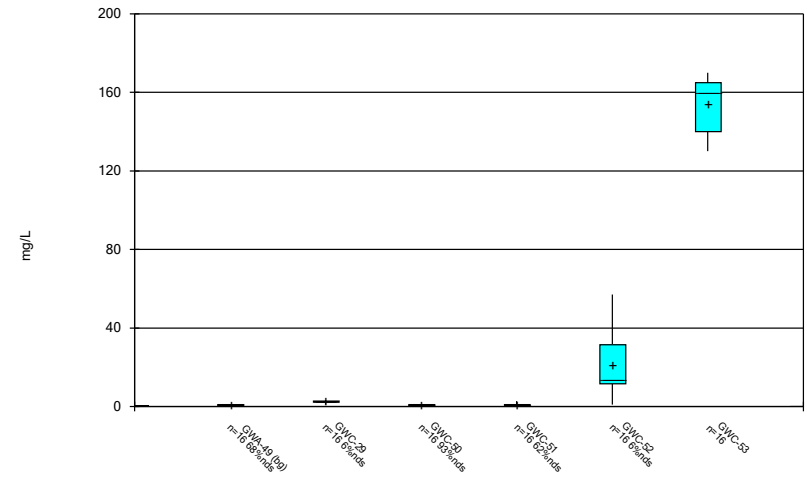
Constituent: Silver, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



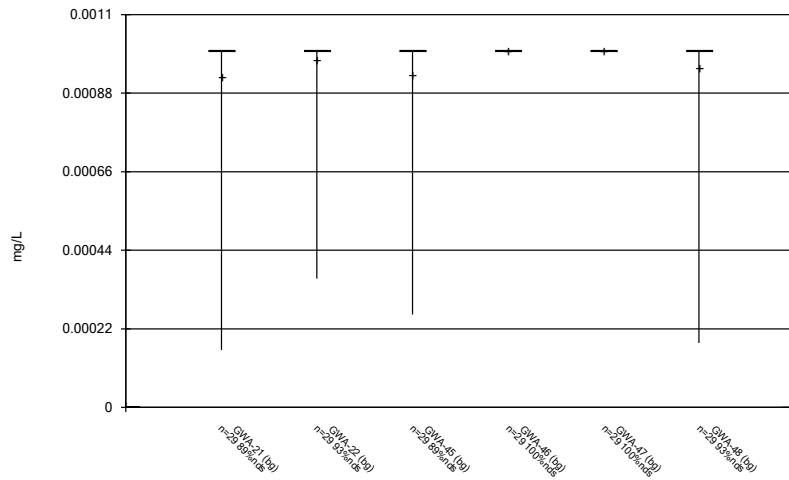
Constituent: Sulfate, total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



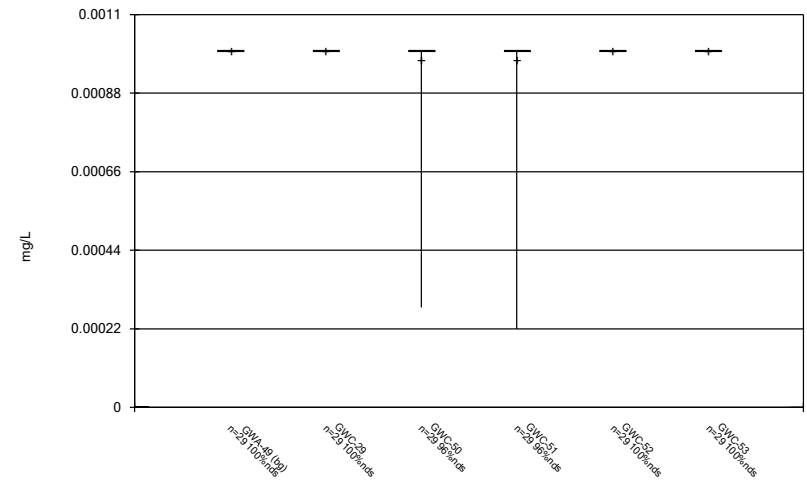
Constituent: Sulfate, total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



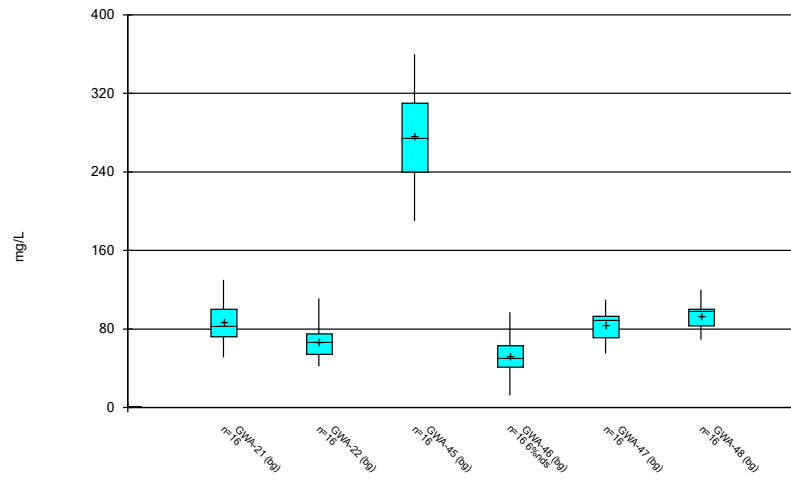
Constituent: Thallium, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



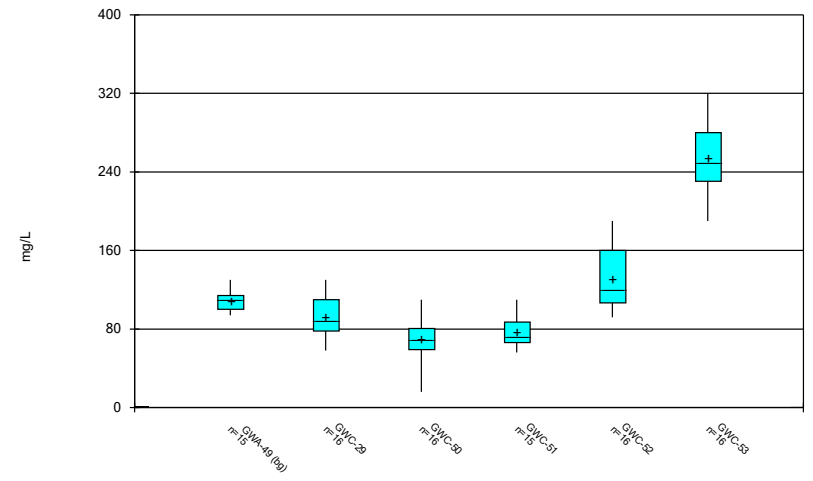
Constituent: Thallium, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



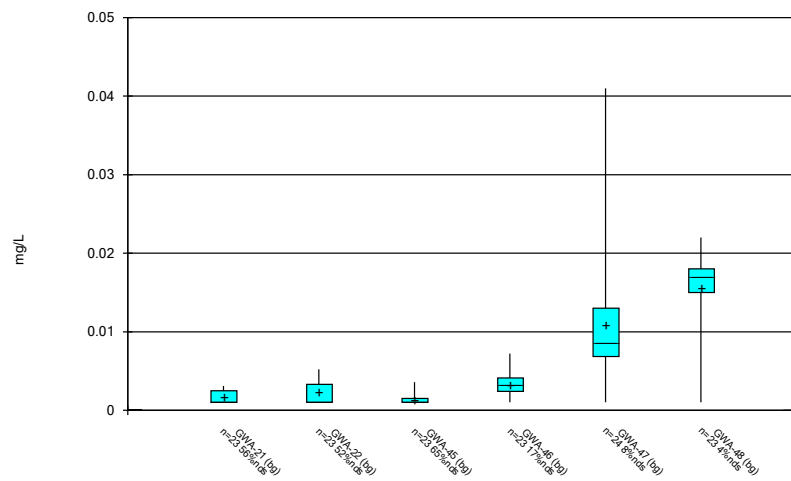
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



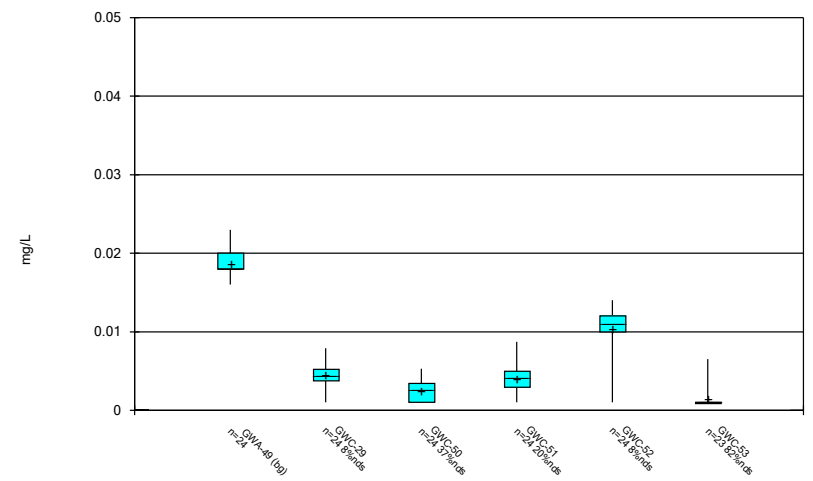
Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



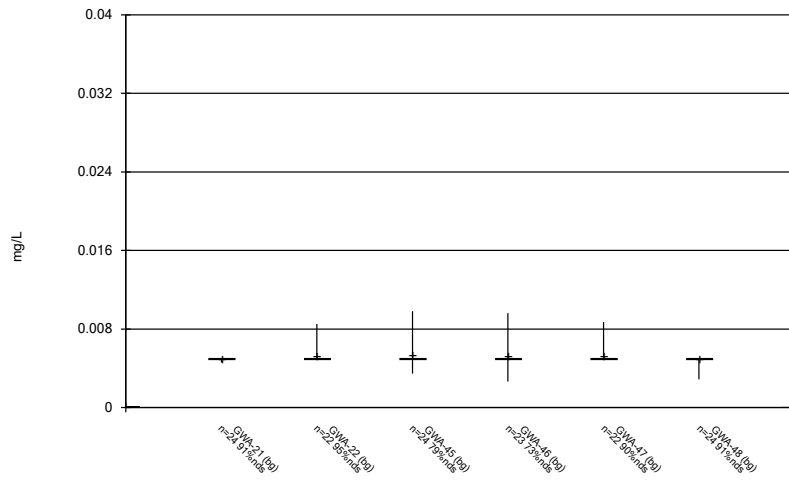
Constituent: Vanadium, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



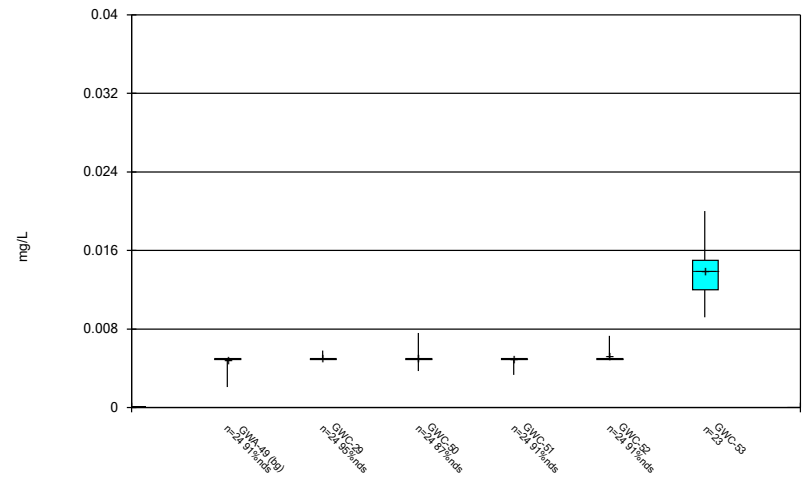
Constituent: Vanadium, Total Analysis Run 6/23/2021 4:08 PM
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/23/2021 4:08 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Box & Whiskers Plot



Constituent: Zinc, Total Analysis Run 6/23/2021 4:08 PM
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

FIGURE C.

FIGURE D.

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

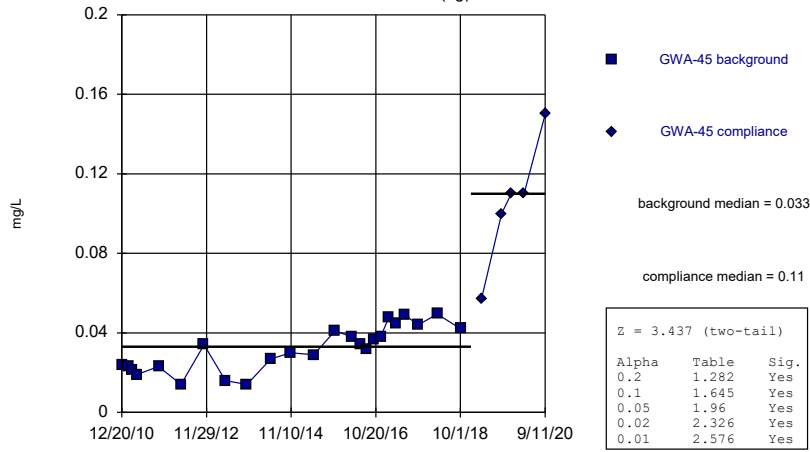
Constituent	Well	Calc.	0.01	Method
Antimony, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Antimony, Total (mg/L)	GWA-46 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWA-45 (bg)	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-29	-0.5103	No	Mann-W
Arsenic, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Arsenic, Total (mg/L)	GWC-53	-0.5213	No	Mann-W
Barium, Total (mg/L)	GWA-21 (bg)	1.612	No	Mann-W
Barium, Total (mg/L)	GWA-22 (bg)	-1.425	No	Mann-W
Barium, Total (mg/L)	GWA-45 (bg)	3.437	Yes	Mann-W
Barium, Total (mg/L)	GWA-46 (bg)	3.133	Yes	Mann-W
Barium, Total (mg/L)	GWA-47 (bg)	-0.06857	No	Mann-W
Barium, Total (mg/L)	GWA-48 (bg)	1.172	No	Mann-W
Barium, Total (mg/L)	GWA-49 (bg)	1.171	No	Mann-W
Barium, Total (mg/L)	GWC-29	3.03	Yes	Mann-W
Barium, Total (mg/L)	GWC-50	2.003	No	Mann-W
Barium, Total (mg/L)	GWC-51	2.381	No	Mann-W
Barium, Total (mg/L)	GWC-52	3.169	Yes	Mann-W
Barium, Total (mg/L)	GWC-53	-2.728	Yes	Mann-W
Beryllium, Total (mg/L)	GWC-51	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWA-47 (bg)	0.3062	No	Mann-W
Cadmium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Chromium, Total (mg/L)	GWA-21 (bg)	-0.5919	No	Mann-W
Chromium, Total (mg/L)	GWA-22 (bg)	1.347	No	Mann-W
Chromium, Total (mg/L)	GWA-46 (bg)	0.1643	No	Mann-W
Chromium, Total (mg/L)	GWA-47 (bg)	-0.03286	No	Mann-W
Chromium, Total (mg/L)	GWA-48 (bg)	-0.2958	No	Mann-W
Chromium, Total (mg/L)	GWA-49 (bg)	0.2301	No	Mann-W
Chromium, Total (mg/L)	GWC-29	-0.3087	No	Mann-W
Chromium, Total (mg/L)	GWC-50	0.5923	No	Mann-W
Chromium, Total (mg/L)	GWC-51	1.316	No	Mann-W
Chromium, Total (mg/L)	GWC-52	3.125	Yes	Mann-W
Chromium, Total (mg/L)	GWC-53	0.1026	No	Mann-W
Cobalt, Total (mg/L)	GWA-21 (bg)	-1.455	No	Mann-W
Cobalt, Total (mg/L)	GWA-22 (bg)	-0.4219	No	Mann-W
Cobalt, Total (mg/L)	GWA-45 (bg)	-2.25	No	Mann-W
Cobalt, Total (mg/L)	GWA-46 (bg)	-2.628	Yes	Mann-W
Cobalt, Total (mg/L)	GWA-47 (bg)	-0.9603	No	Mann-W
Cobalt, Total (mg/L)	GWA-48 (bg)	-1.427	No	Mann-W
Cobalt, Total (mg/L)	GWA-49 (bg)	-2.873	Yes	Mann-W
Cobalt, Total (mg/L)	GWC-51	-2.552	No	Mann-W
Cobalt, Total (mg/L)	GWC-53	-0.1647	No	Mann-W
Copper, Total (mg/L)	GWA-21 (bg)	2.003	No	Mann-W
Copper, Total (mg/L)	GWA-22 (bg)	-0.5893	No	Mann-W
Copper, Total (mg/L)	GWA-45 (bg)	0.7352	No	Mann-W
Copper, Total (mg/L)	GWA-47 (bg)	-2.53	No	Mann-W
Copper, Total (mg/L)	GWA-48 (bg)	-1.385	No	Mann-W
Copper, Total (mg/L)	GWC-51	-2.294	No	Mann-W
Lead, Total (mg/L)	GWA-21 (bg)	-0.2158	No	Mann-W
Lead, Total (mg/L)	GWA-22 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-45 (bg)	0.1979	No	Mann-W
Lead, Total (mg/L)	GWA-46 (bg)	-1.032	No	Mann-W
Lead, Total (mg/L)	GWA-47 (bg)	-1.148	No	Mann-W
Lead, Total (mg/L)	GWA-48 (bg)	-1.94	No	Mann-W
Lead, Total (mg/L)	GWA-49 (bg)	-1.464	No	Mann-W
Lead, Total (mg/L)	GWC-29	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-50	-1.144	No	Mann-W
Lead, Total (mg/L)	GWC-51	-0.1647	No	Mann-W
Lead, Total (mg/L)	GWC-52	-1.395	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:41 AM

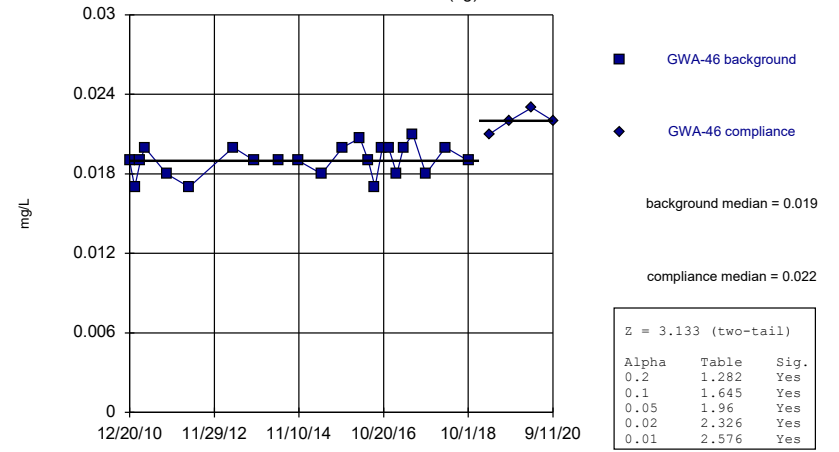
Constituent	Well	Calc.	0.01	Method
Mercury, Total (mg/L)	GWA-21 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-45 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWA-46 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-47 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-48 (bg)	0.5145	No	Mann-W
Mercury, Total (mg/L)	GWA-49 (bg)	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-29	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Mercury, Total (mg/L)	GWC-52	0.3062	No	Mann-W
Nickel, Total (mg/L)	GWA-21 (bg)	-3.922	Yes	Mann-W
Nickel, Total (mg/L)	GWA-45 (bg)	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWA-46 (bg)	-2.239	No	Mann-W
Nickel, Total (mg/L)	GWA-47 (bg)	-1.574	No	Mann-W
Nickel, Total (mg/L)	GWA-48 (bg)	-2.105	No	Mann-W
Nickel, Total (mg/L)	GWA-49 (bg)	-3.234	Yes	Mann-W
Nickel, Total (mg/L)	GWC-29	-2.467	No	Mann-W
Nickel, Total (mg/L)	GWC-50	-4.017	Yes	Mann-W
Nickel, Total (mg/L)	GWC-51	-3.237	Yes	Mann-W
Nickel, Total (mg/L)	GWC-53	0.8538	No	Mann-W
Selenium, Total (mg/L)	GWA-22 (bg)	0.6723	No	Mann-W
Selenium, Total (mg/L)	GWA-45 (bg)	0.7043	No	Mann-W
Selenium, Total (mg/L)	GWA-47 (bg)	0.3128	No	Mann-W
Selenium, Total (mg/L)	GWA-48 (bg)	0.5259	No	Mann-W
Selenium, Total (mg/L)	GWA-49 (bg)	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-29	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-50	0.5145	No	Mann-W
Selenium, Total (mg/L)	GWC-52	0.9566	No	Mann-W
Selenium, Total (mg/L)	GWC-53	0.6723	No	Mann-W
Thallium, Total (mg/L)	GWA-21 (bg)	0.5145	No	Mann-W
Thallium, Total (mg/L)	GWA-22 (bg)	0.3062	No	Mann-W
Thallium, Total (mg/L)	GWA-45 (bg)	-0.9168	No	Mann-W
Thallium, Total (mg/L)	GWA-48 (bg)	-2.552	No	Mann-W
Thallium, Total (mg/L)	GWC-50	0.3062	No	Mann-W
Vanadium, Total (mg/L)	GWA-21 (bg)	2.898	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-22 (bg)	1.621	No	Mann-W
Vanadium, Total (mg/L)	GWA-45 (bg)	3.037	Yes	Mann-W
Vanadium, Total (mg/L)	GWA-46 (bg)	-0.1284	No	Mann-W
Vanadium, Total (mg/L)	GWA-47 (bg)	-0.1625	No	Mann-W
Vanadium, Total (mg/L)	GWA-48 (bg)	2.536	No	Mann-W
Vanadium, Total (mg/L)	GWA-49 (bg)	1.518	No	Mann-W
Vanadium, Total (mg/L)	GWC-29	1.543	No	Mann-W
Vanadium, Total (mg/L)	GWC-50	-0.8783	No	Mann-W
Vanadium, Total (mg/L)	GWC-51	0.4492	No	Mann-W
Vanadium, Total (mg/L)	GWC-52	-1.528	No	Mann-W
Vanadium, Total (mg/L)	GWC-53	0.3795	No	Mann-W
Zinc, Total (mg/L)	GWA-21 (bg)	-3.234	Yes	Mann-W
Zinc, Total (mg/L)	GWA-22 (bg)	1.94	No	Mann-W
Zinc, Total (mg/L)	GWA-45 (bg)	1.289	No	Mann-W
Zinc, Total (mg/L)	GWA-46 (bg)	-0.9853	No	Mann-W
Zinc, Total (mg/L)	GWA-47 (bg)	-1.845	No	Mann-W
Zinc, Total (mg/L)	GWA-48 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWA-49 (bg)	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-29	2.065	No	Mann-W
Zinc, Total (mg/L)	GWC-50	-0.3463	No	Mann-W
Zinc, Total (mg/L)	GWC-51	-1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-52	1.244	No	Mann-W
Zinc, Total (mg/L)	GWC-53	0.4297	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)
GWA-45 (bg)



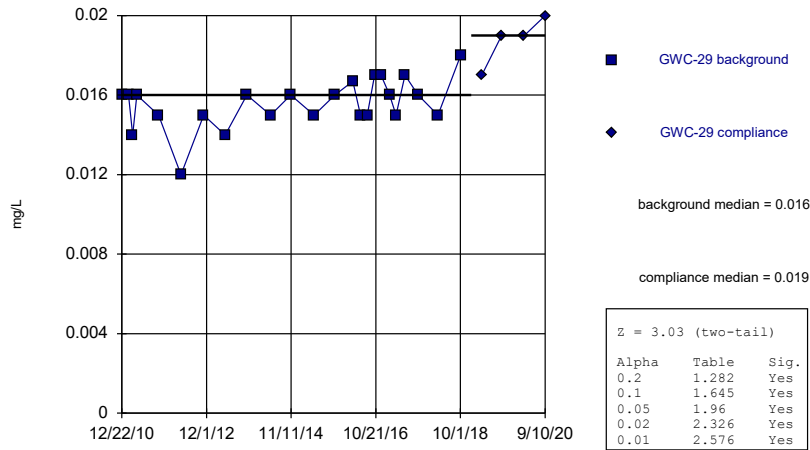
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)
GWA-46 (bg)



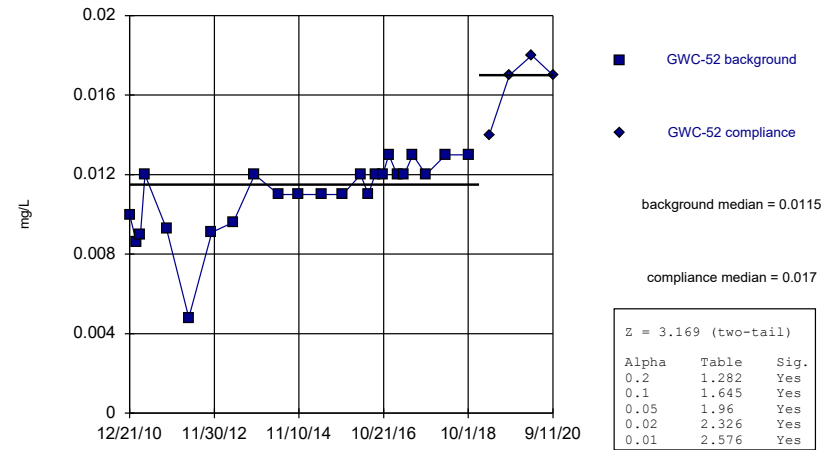
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)
GWC-29



Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

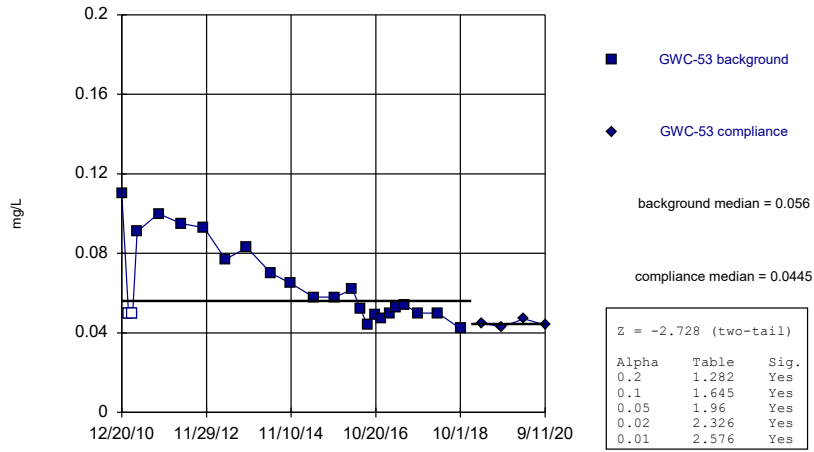
Mann-Whitney (Wilcoxon Rank Sum)
GWC-52



Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

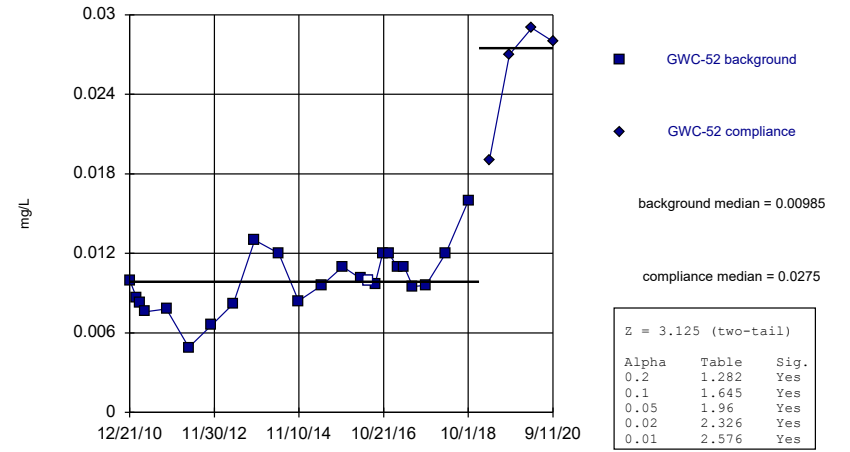
GWC-53



Constituent: Barium, Total Analysis Run 6/16/2021 11:35 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

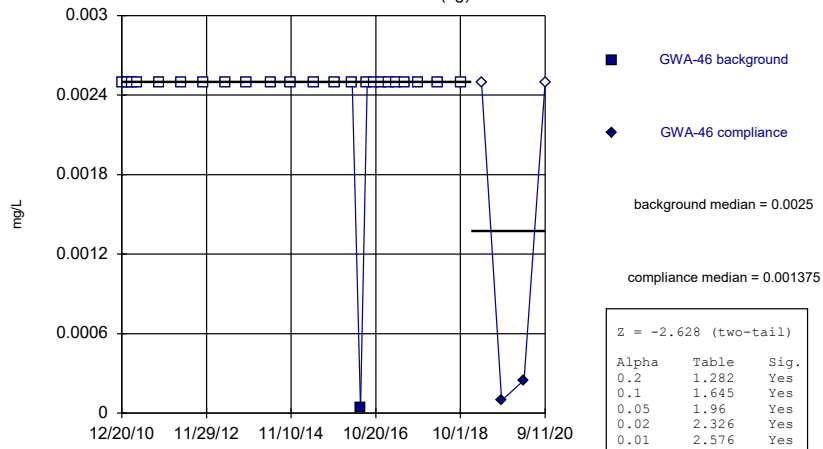
GWC-52



Constituent: Chromium, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

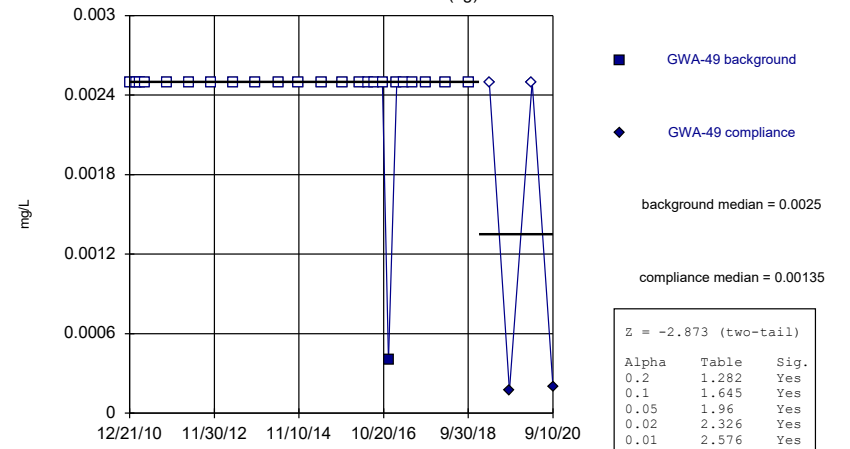
GWA-46 (bg)



Constituent: Cobalt, Total Analysis Run 6/16/2021 11:36 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

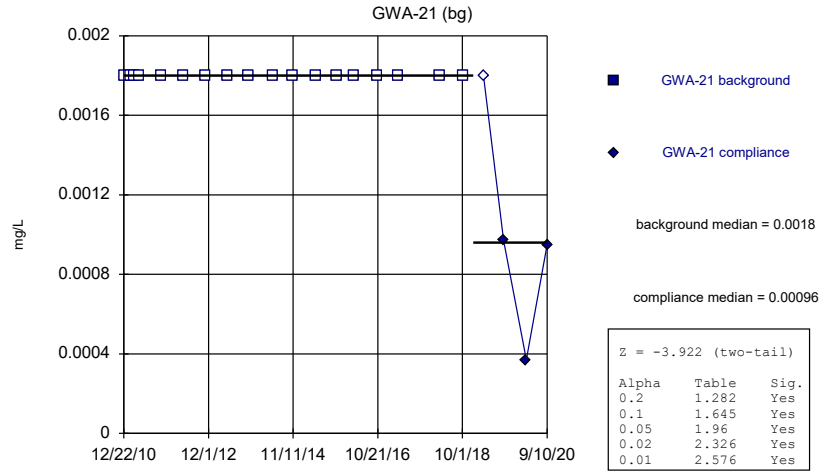
Mann-Whitney (Wilcoxon Rank Sum)

GWA-49 (bg)



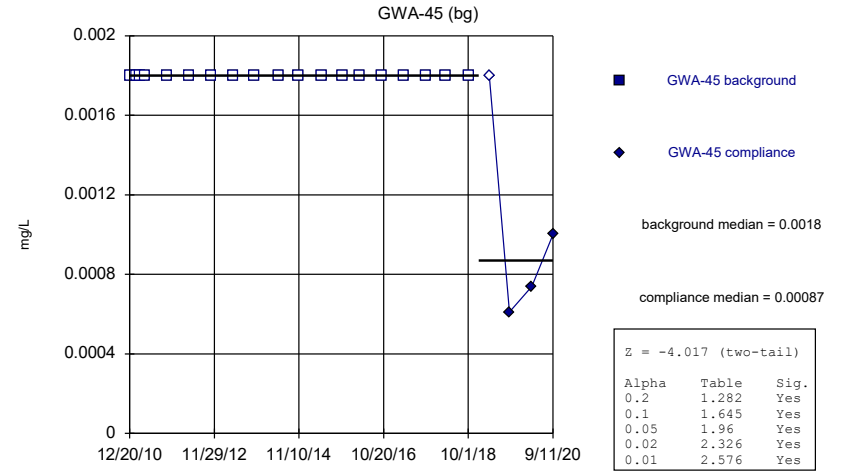
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



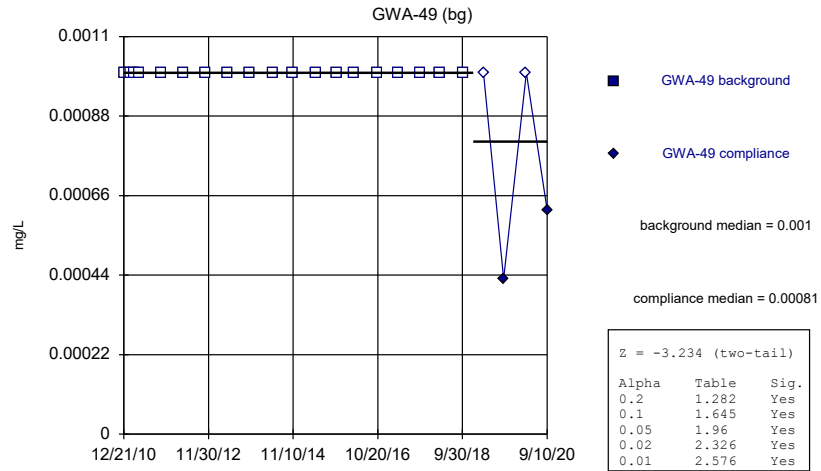
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



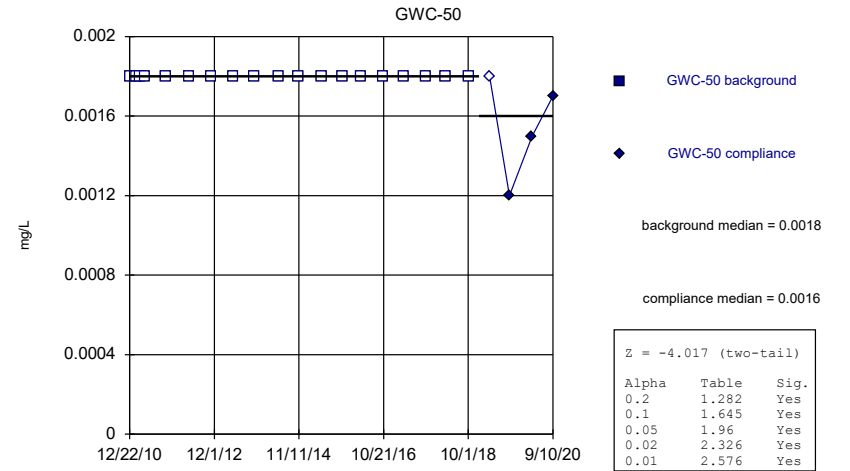
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



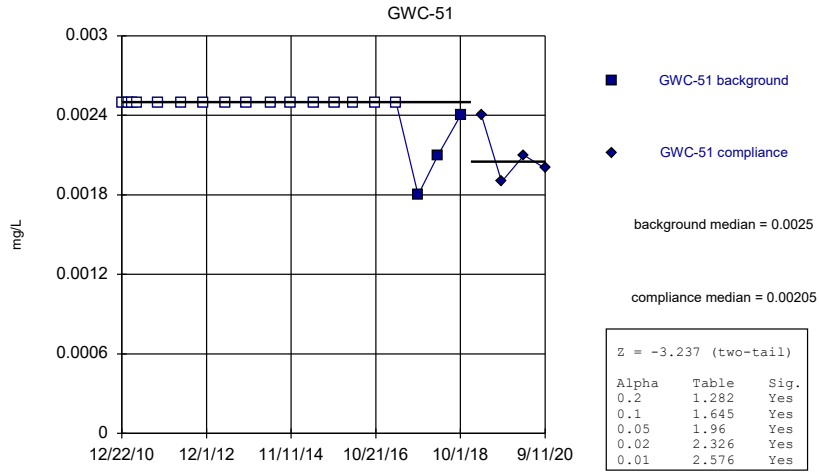
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



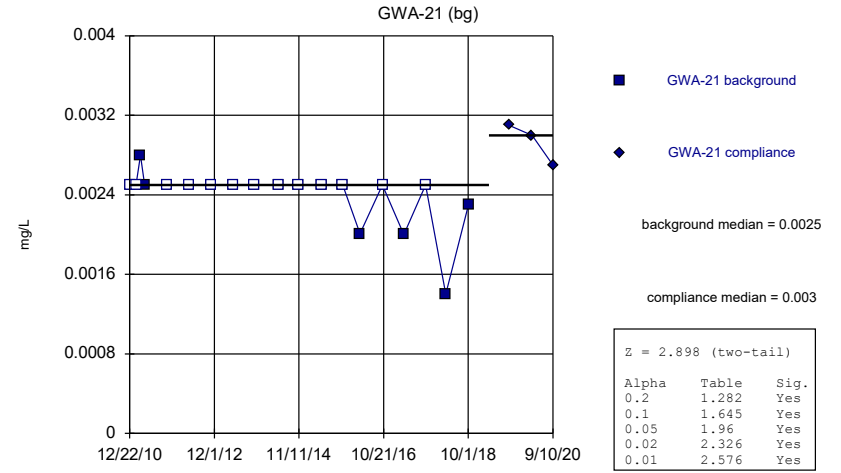
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



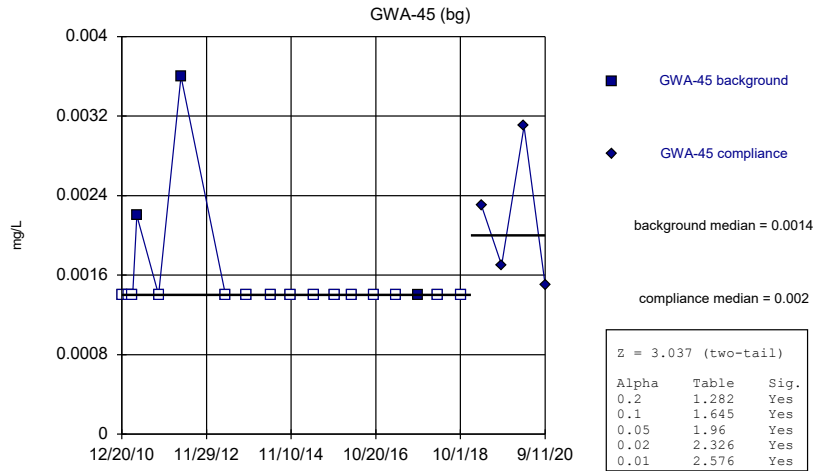
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



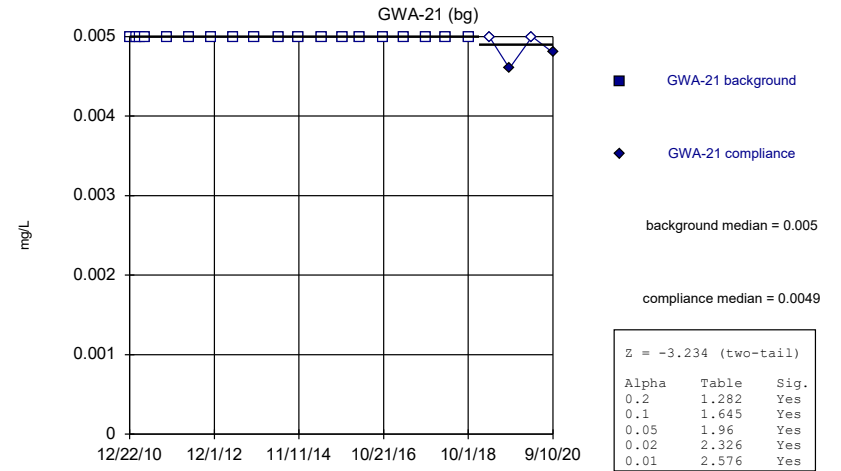
Constituent: Vanadium, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Vanadium, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Zinc, Total Analysis Run 6/16/2021 11:37 AM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.024 (J)	
2/14/2011	0.023 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.019 (J)	
10/26/2011	0.023	
5/1/2012	0.014	
11/8/2012	0.034	
5/8/2013	0.016	
11/4/2013	0.014	
5/24/2014	0.027	
11/7/2014	0.03	
5/20/2015	0.029	
11/13/2015	0.041	
4/7/2016	0.0381	
6/14/2016	0.034	
8/9/2016	0.032	
10/10/2016	0.037	
12/2/2016	0.038	
2/9/2017	0.048	
4/7/2017	0.045	
6/22/2017	0.049	
10/10/2017	0.044	
3/22/2018	0.0495 (D)	
10/3/2018	0.042	
3/27/2019		0.057
9/12/2019		0.1 (L)
12/2/2019		0.11 (R,L)
3/19/2020		0.11 (L)
9/11/2020		0.15 (L)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.019 (J)	
2/1/2011	0.017 (J)	
3/21/2011	0.019 (J)	
4/26/2011	0.02 (J)	
10/27/2011	0.018	
5/2/2012	0.017	
11/8/2012	0.048 (O)	
5/7/2013	0.02	
11/4/2013	0.019	
5/24/2014	0.019	
11/7/2014	0.019	
5/20/2015	0.018	
11/13/2015	0.02	
4/7/2016	0.0207	
6/14/2016	0.019	
8/9/2016	0.017	
10/10/2016	0.02	
12/2/2016	0.02	
2/10/2017	0.018	
4/7/2017	0.02	
6/23/2017	0.021	
10/10/2017	0.018	
3/23/2018	0.02	
10/4/2018	0.019	
3/27/2019		0.021
9/12/2019		0.022
3/19/2020		0.023
9/11/2020		0.022

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.016 (J)	
2/15/2011	0.016 (J)	
3/22/2011	0.014 (J)	
4/27/2011	0.016 (J)	
10/26/2011	0.015	
5/2/2012	0.012	
11/8/2012	0.015	
5/8/2013	0.014	
11/4/2013	0.016	
5/24/2014	0.015	
11/7/2014	0.016	
5/22/2015	0.015	
11/13/2015	0.016	
4/11/2016	0.0167	
6/15/2016	0.015	
8/10/2016	0.015	
10/11/2016	0.017	
12/5/2016	0.017	
2/13/2017	0.016	
4/10/2017	0.015	
6/23/2017	0.017	
10/10/2017	0.016	
3/26/2018	0.015	
10/4/2018	0.018	
3/28/2019		0.017
9/12/2019		0.019
3/19/2020		0.019
9/10/2020		0.02

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01 (J)	
2/15/2011	0.0086 (J)	
3/21/2011	0.009 (J)	
4/28/2011	0.012 (J)	
10/26/2011	0.0093 (J)	
5/1/2012	0.0048 (J)	
11/9/2012	0.0091 (J)	
5/8/2013	0.0096 (J)	
11/4/2013	0.012	
5/24/2014	0.011	
11/7/2014	0.011	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.012	
6/16/2016	0.011	
8/11/2016	0.012	
10/13/2016	0.012	
12/5/2016	0.013	
2/13/2017	0.012	
4/11/2017	0.012	
6/24/2017	0.013	
10/11/2017	0.012	
3/26/2018	0.013	
10/4/2018	0.013	
3/28/2019		0.014
9/12/2019		0.017
3/19/2020		0.018
9/11/2020		0.017

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.11	
2/14/2011	<0.1	
3/21/2011	<0.1	
4/27/2011	0.091 (J)	
10/26/2011	0.1	
5/1/2012	0.095	
11/9/2012	0.093	
5/8/2013	0.077	
11/4/2013	0.083	
5/24/2014	0.07	
11/7/2014	0.065	
5/20/2015	0.058	
11/13/2015	0.058	
4/8/2016	0.0619	
6/16/2016	0.052	
8/11/2016	0.044	
10/13/2016	0.049	
12/6/2016	0.047	
2/13/2017	0.05	
4/11/2017	0.053	
6/24/2017	0.054	
10/11/2017	0.05	
3/26/2018	0.05	
10/4/2018	0.042	
3/28/2019		0.045
9/12/2019		0.043
3/19/2020		0.047
9/11/2020		0.044

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01	
2/15/2011	0.0087	
3/21/2011	0.0083	
4/28/2011	0.0076	
10/26/2011	0.0078	
5/1/2012	0.0049 (J)	
11/9/2012	0.0066	
5/8/2013	0.0082	
11/4/2013	0.013	
5/24/2014	0.012	
11/7/2014	0.0084 (J)	
5/22/2015	0.0096 (J)	
11/13/2015	0.011	
4/11/2016	0.0101	
6/16/2016	<0.01	
8/11/2016	0.0097	
10/13/2016	0.012	
12/5/2016	0.012	
2/13/2017	0.011	
4/11/2017	0.011	
6/24/2017	0.0095	
10/11/2017	0.0096	
3/26/2018	0.012	
10/4/2018	0.016	
3/28/2019		0.019
9/12/2019		0.027
3/19/2020		0.029
9/11/2020		0.028

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/20/2015	<0.0025	
11/13/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
10/10/2016	<0.0025	
12/2/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019		<0.0025
9/12/2019		9.5E-05 (J)
3/19/2020		0.00025 (J)
9/11/2020		<0.0025

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	0.0004 (J)	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019		<0.0025
9/12/2019		0.00017 (J)
3/19/2020		<0.0025
9/10/2020		0.0002 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0018	
2/14/2011	<0.0018	
3/22/2011	<0.0018	
4/26/2011	<0.0018	
10/27/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/7/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/21/2015	<0.0018	
11/13/2015	<0.0018	
4/6/2016	<0.0018	
10/11/2016	<0.0018	
4/10/2017	<0.0018	
10/9/2017	0.0024 (O)	
3/26/2018	<0.0018	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/12/2019		0.00097 (J)
3/19/2020		0.00037 (J)
9/10/2020		0.00095 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0018	
2/14/2011	<0.0018	
3/21/2011	<0.0018	
4/26/2011	<0.0018	
10/26/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/7/2014	<0.0018	
5/20/2015	<0.0018	
11/13/2015	<0.0018	
4/7/2016	<0.0018	
10/10/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/22/2018	<0.0018 (D)	
10/3/2018	<0.0018	
3/27/2019		<0.0018
9/12/2019		0.00061 (J)
3/19/2020		0.00074 (J)
9/11/2020		0.001

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019		<0.001
9/12/2019		0.00043 (J)
3/19/2020		<0.001
9/10/2020		0.00062 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0018	
2/15/2011	<0.0018	
3/22/2011	<0.0018	
4/27/2011	<0.0018	
10/26/2011	<0.0018	
5/2/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	<0.0018	
11/13/2015	<0.0018	
4/11/2016	<0.0018	
10/11/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/23/2018	<0.0018	
10/4/2018	<0.0018	
3/28/2019		<0.0018
9/12/2019		0.0012
3/19/2020		0.0015
9/10/2020		0.0017

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
10/13/2016	<0.0025	
4/10/2017	<0.0025	
10/11/2017	0.0018 (J)	
3/26/2018	0.0021 (J)	
10/4/2018	0.0024 (J)	
3/27/2019		0.0024 (J)
9/12/2019		0.0019
3/19/2020		0.0021
9/11/2020		0.002

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0028 (J)	
4/26/2011	0.0025 (J)	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/6/2016	0.00201 (J)	
10/11/2016	<0.0025	
4/10/2017	0.002 (J)	
10/9/2017	<0.0025	
3/26/2018	0.0014 (J)	
10/3/2018	0.0023 (J)	
3/27/2019	0.0072 (O)	
9/12/2019		0.0031
3/19/2020		0.003
9/10/2020		0.0027

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0014	
2/14/2011	<0.0014	
3/21/2011	<0.0014	
4/26/2011	0.0022 (J)	
10/26/2011	<0.0014	
5/1/2012	0.0036 (J)	
11/8/2012	0.0062 (O)	
5/8/2013	<0.0014	
11/4/2013	<0.0014	
5/24/2014	<0.0014	
11/7/2014	<0.0014	
5/20/2015	<0.0014	
11/13/2015	<0.0014	
4/7/2016	<0.0014	
10/10/2016	<0.0014	
4/7/2017	<0.0014	
10/10/2017	0.0014 (J)	
3/22/2018	<0.0014 (D)	
10/3/2018	<0.0014	
3/27/2019		0.0023 (J)
9/12/2019		0.0017
3/19/2020		0.0031
9/11/2020		0.0015

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc, Total (mg/L) Analysis Run 6/16/2021 11:41 AM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	<0.005	
4/6/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005	
10/3/2018	<0.005	
3/27/2019		<0.005
9/12/2019		0.0046 (J)
3/19/2020		<0.005
9/10/2020		0.0048 (J)

FIGURE E.

Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

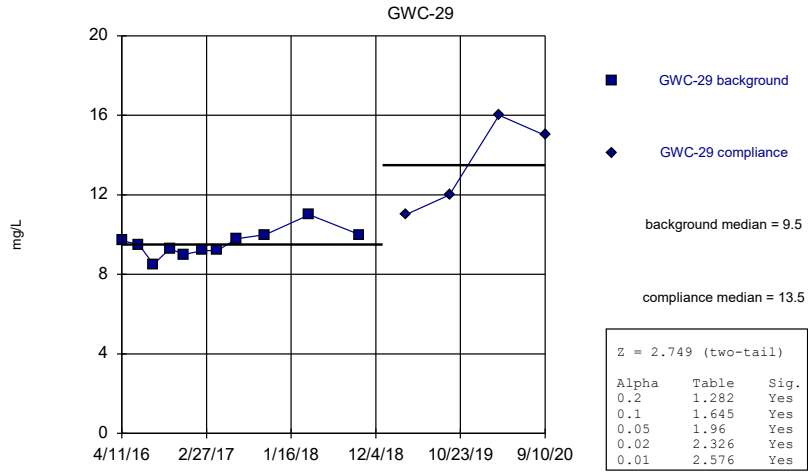
Constituent	Well	Calc.	0.01	Method
Boron, total (mg/L)	GWA-21 (bg)	-0.7724	No	Mann-W
Boron, total (mg/L)	GWA-45 (bg)	2.415	No	Mann-W
Boron, total (mg/L)	GWA-47 (bg)	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-29	0.4523	No	Mann-W
Boron, total (mg/L)	GWC-53	1.254	No	Mann-W
Calcium, total (mg/L)	GWA-21 (bg)	0.8501	No	Mann-W
Calcium, total (mg/L)	GWA-22 (bg)	0	No	Mann-W
Calcium, total (mg/L)	GWA-45 (bg)	0.2616	No	Mann-W
Calcium, total (mg/L)	GWA-46 (bg)	1.244	No	Mann-W
Calcium, total (mg/L)	GWA-47 (bg)	1.916	No	Mann-W
Calcium, total (mg/L)	GWA-48 (bg)	1.176	No	Mann-W
Calcium, total (mg/L)	GWA-49 (bg)	0.9253	No	Mann-W
Calcium, total (mg/L)	GWC-29	2.749	Yes	Mann-W
Calcium, total (mg/L)	GWC-50	1.839	No	Mann-W
Calcium, total (mg/L)	GWC-51	2.17	No	Mann-W
Calcium, total (mg/L)	GWC-52	2.711	Yes	Mann-W
Calcium, total (mg/L)	GWC-53	1.788	No	Mann-W
Chloride, Total (mg/L)	GWA-21 (bg)	0.7848	No	Mann-W
Chloride, Total (mg/L)	GWA-22 (bg)	-1.378	No	Mann-W
Chloride, Total (mg/L)	GWA-45 (bg)	0.9324	No	Mann-W
Chloride, Total (mg/L)	GWA-46 (bg)	2.679	Yes	Mann-W
Chloride, Total (mg/L)	GWA-47 (bg)	0.06685	No	Mann-W
Chloride, Total (mg/L)	GWA-48 (bg)	0.07223	No	Mann-W
Chloride, Total (mg/L)	GWA-49 (bg)	-0.8715	No	Mann-W
Chloride, Total (mg/L)	GWC-29	-1.993	No	Mann-W
Chloride, Total (mg/L)	GWC-50	-0.2077	No	Mann-W
Chloride, Total (mg/L)	GWC-51	2.494	No	Mann-W
Chloride, Total (mg/L)	GWC-52	-0.7102	No	Mann-W
Chloride, Total (mg/L)	GWC-53	2.574	No	Mann-W
Fluoride, total (mg/L)	GWA-21 (bg)	-2.957	Yes	Mann-W
Fluoride, total (mg/L)	GWA-22 (bg)	-3.77	Yes	Mann-W
Fluoride, total (mg/L)	GWA-45 (bg)	-1.773	No	Mann-W
Fluoride, total (mg/L)	GWA-46 (bg)	-0.7724	No	Mann-W
Fluoride, total (mg/L)	GWA-47 (bg)	-3.179	Yes	Mann-W
Fluoride, total (mg/L)	GWA-48 (bg)	-3.097	Yes	Mann-W
Fluoride, total (mg/L)	GWA-49 (bg)	-3.187	Yes	Mann-W
Fluoride, total (mg/L)	GWC-29	-2.961	Yes	Mann-W
Fluoride, total (mg/L)	GWC-50	-2.262	No	Mann-W
Fluoride, total (mg/L)	GWC-51	2.597	Yes	Mann-W
Fluoride, total (mg/L)	GWC-52	-3.77	Yes	Mann-W
pH (S.U.)	GWA-21 (bg)	1.768	No	Mann-W
pH (S.U.)	GWA-22 (bg)	0.6379	No	Mann-W
pH (S.U.)	GWA-45 (bg)	0.1705	No	Mann-W
pH (S.U.)	GWA-46 (bg)	1.931	No	Mann-W
pH (S.U.)	GWA-47 (bg)	0.9751	No	Mann-W
pH (S.U.)	GWA-48 (bg)	0.6815	No	Mann-W
pH (S.U.)	GWA-49 (bg)	0.5108	No	Mann-W
pH (S.U.)	GWC-29	2.896	Yes	Mann-W
pH (S.U.)	GWC-50	-1.763	No	Mann-W
pH (S.U.)	GWC-51	1.545	No	Mann-W
pH (S.U.)	GWC-52	1.016	No	Mann-W
pH (S.U.)	GWC-53	1.369	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/16/2021, 11:45 AM

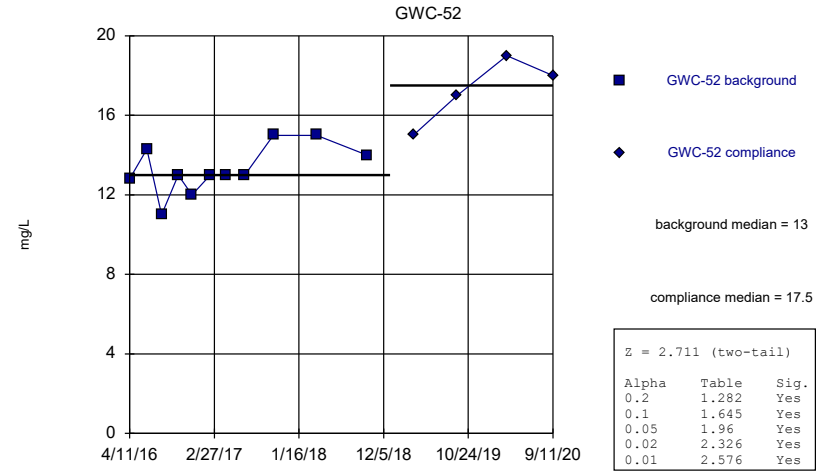
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Sulfate, total (mg/L)	GWA-21 (bg)	-1.373	No	Mann-W
Sulfate, total (mg/L)	GWA-22 (bg)	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWA-45 (bg)	1.269	No	Mann-W
Sulfate, total (mg/L)	GWA-46 (bg)	-1.632	No	Mann-W
Sulfate, total (mg/L)	GWA-47 (bg)	2.986	Yes	Mann-W
Sulfate, total (mg/L)	GWA-48 (bg)	1.787	No	Mann-W
Sulfate, total (mg/L)	GWA-49 (bg)	-1.479	No	Mann-W
Sulfate, total (mg/L)	GWC-29	2.649	Yes	Mann-W
Sulfate, total (mg/L)	GWC-50	-1.809	No	Mann-W
Sulfate, total (mg/L)	GWC-51	1.788	No	Mann-W
Sulfate, total (mg/L)	GWC-52	2.812	Yes	Mann-W
Sulfate, total (mg/L)	GWC-53	2.286	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-21 (bg)	2.618	Yes	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-22 (bg)	0.4578	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-45 (bg)	2.494	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-46 (bg)	1.504	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-47 (bg)	1.766	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-48 (bg)	1.914	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-49 (bg)	2.546	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-29	1.702	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-50	0.4574	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-51	0.9243	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-52	2.295	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-53	2.093	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



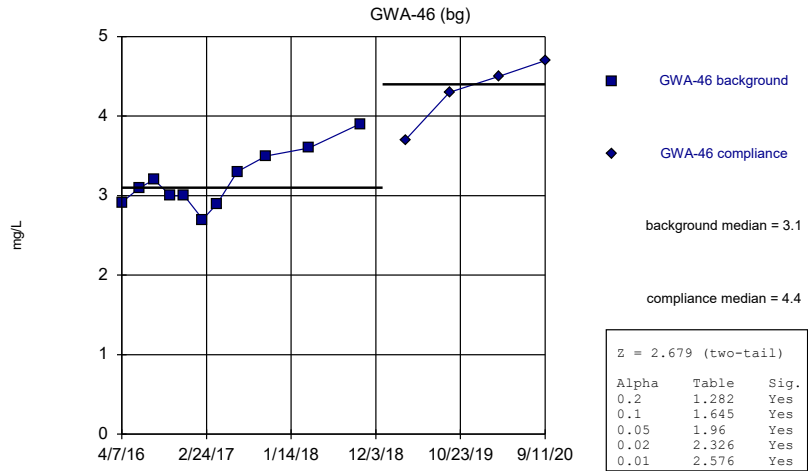
Constituent: Calcium, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



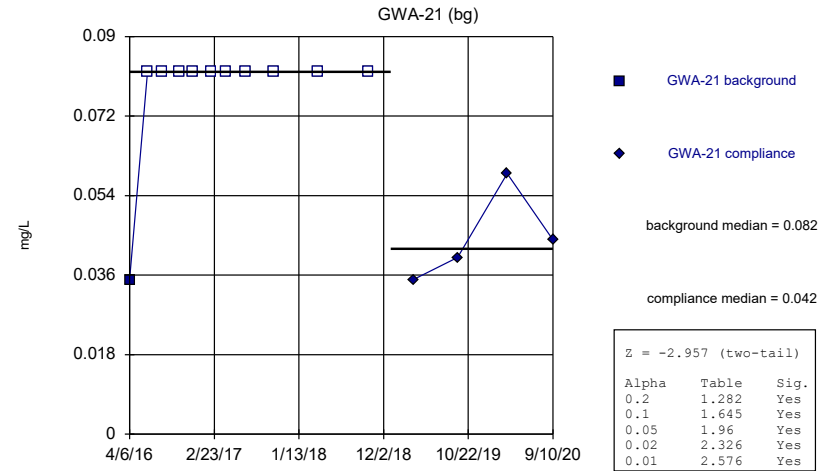
Constituent: Calcium, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



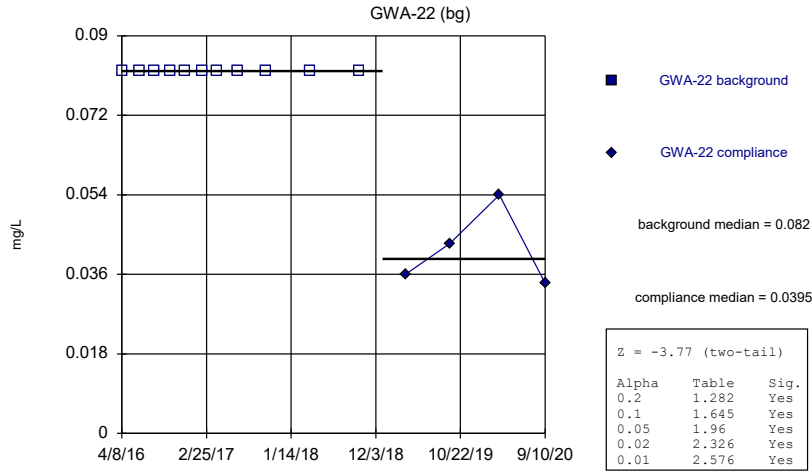
Constituent: Chloride, Total Analysis Run 6/16/2021 11:42 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



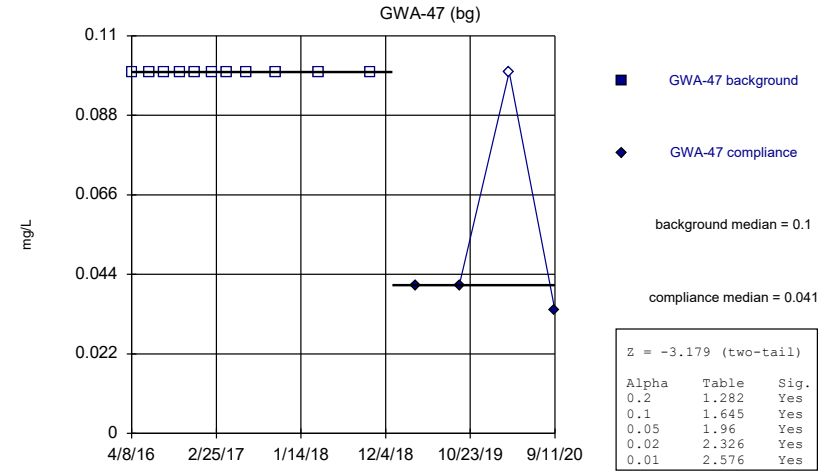
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



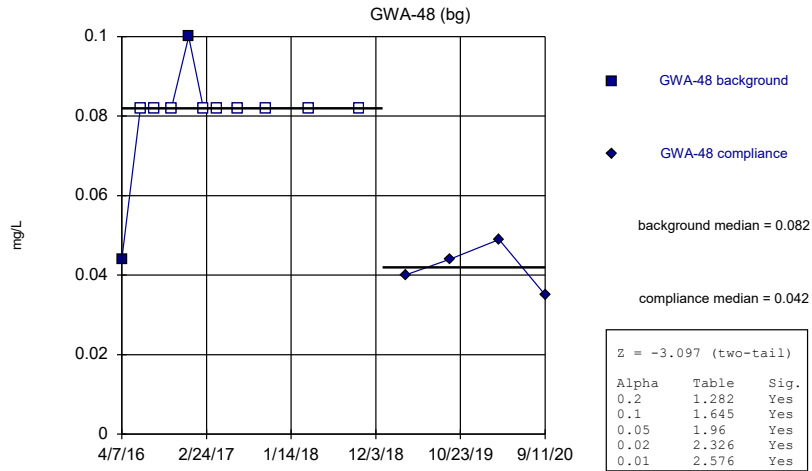
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



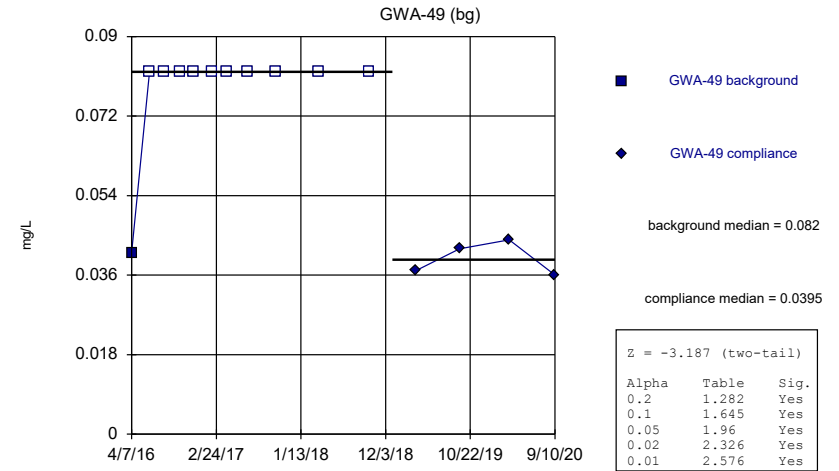
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



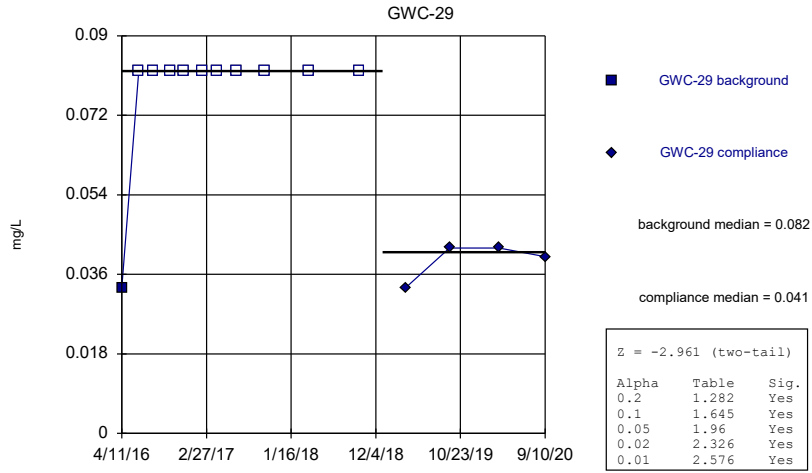
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



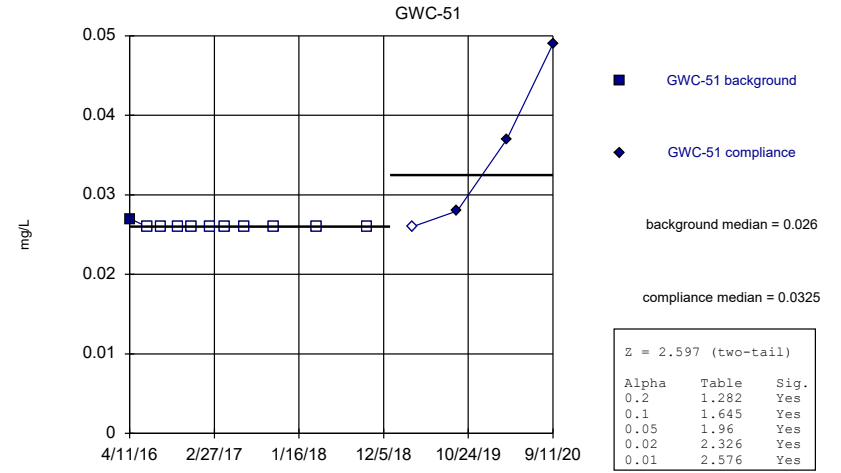
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



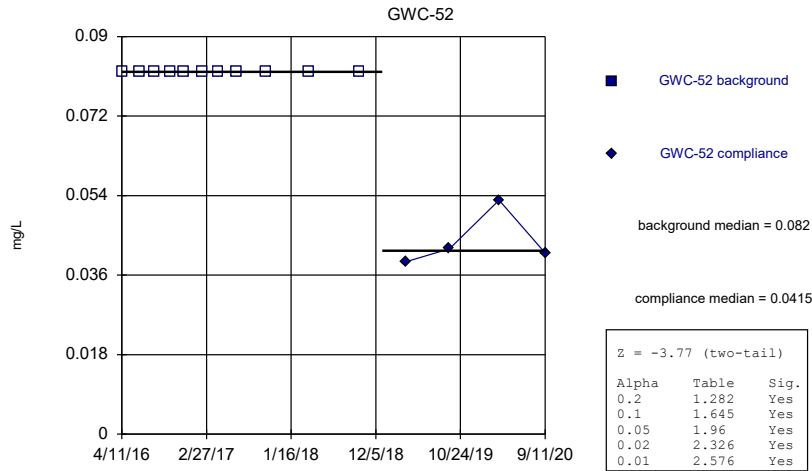
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



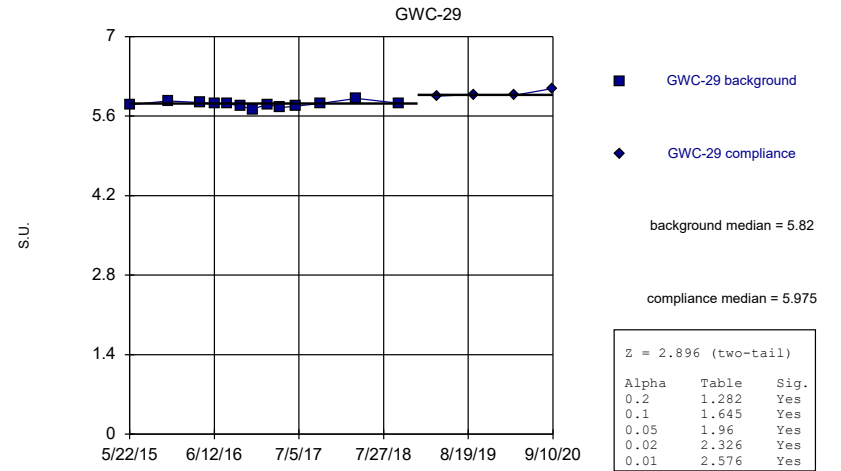
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



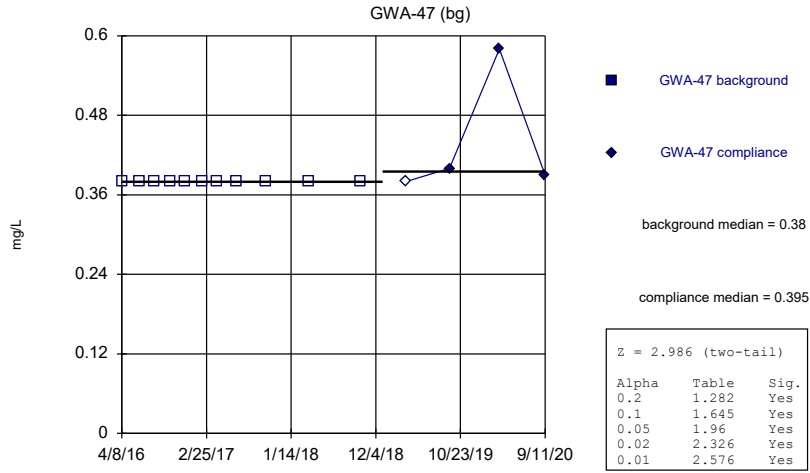
Constituent: Fluoride, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



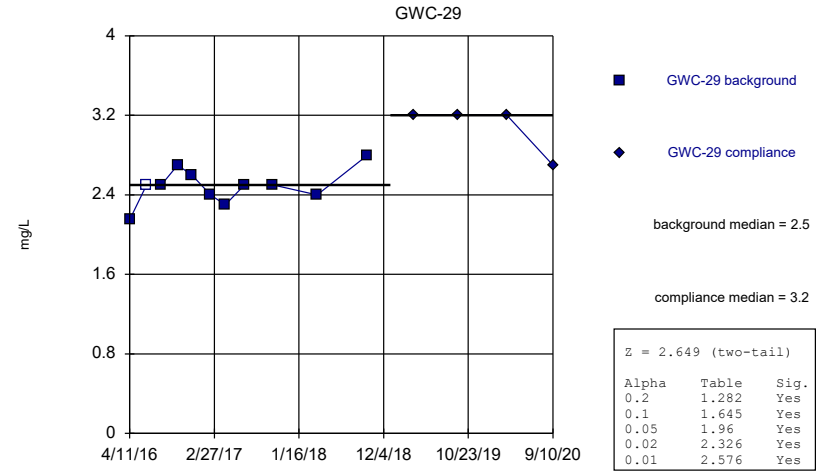
Constituent: pH Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



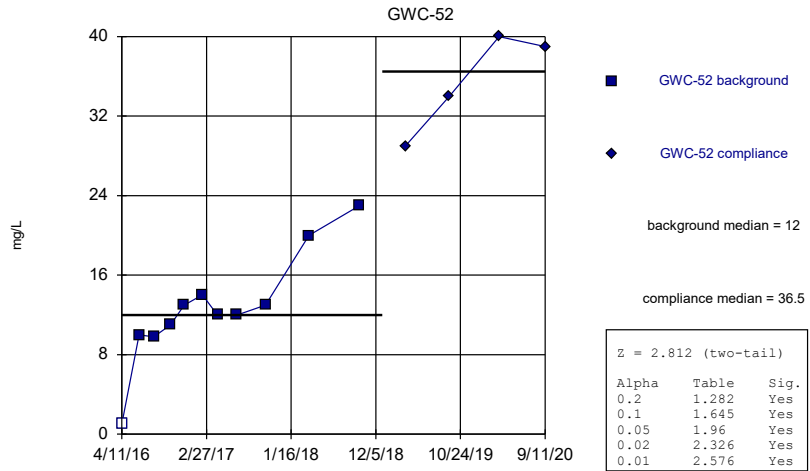
Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



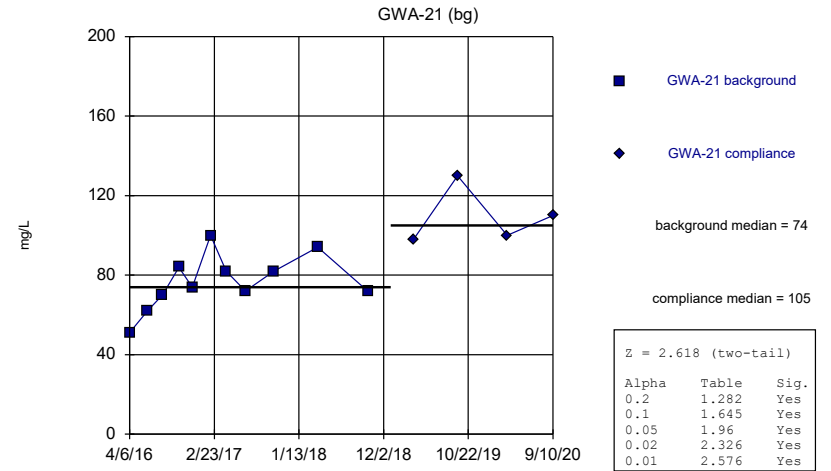
Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate, total Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Total Dissolved Solids [TDS] Analysis Run 6/16/2021 11:42 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	9.7	
6/15/2016	9.5	
8/10/2016	8.5	
10/11/2016	9.3	
12/5/2016	9	
2/13/2017	9.2	
4/10/2017	9.2	
6/23/2017	9.8	
10/10/2017	10	
3/26/2018	11	
10/4/2018	10	
3/28/2019		11
9/12/2019		12
3/19/2020		16
9/10/2020		15

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	12.8	
6/16/2016	14.3	
8/11/2016	11	
10/13/2016	13	
12/5/2016	12	
2/13/2017	13	
4/11/2017	13	
6/24/2017	13	
10/11/2017	15	
3/26/2018	15	
10/4/2018	14	
3/28/2019		15
9/12/2019		17
3/19/2020		19
9/11/2020		18

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride, Total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	2.914	
6/14/2016	3.1	
8/9/2016	3.2	
10/10/2016	3	
12/2/2016	3	
2/10/2017	2.7	
4/7/2017	2.9	
6/23/2017	3.3	
10/10/2017	3.5	
3/23/2018	3.6	
10/4/2018	3.9	
3/27/2019		3.7
9/12/2019		4.3
3/19/2020		4.5
9/11/2020		4.7

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.035 (J)	
6/14/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/10/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.035 (J)
9/12/2019		0.04 (J)
3/19/2020		0.059 (J)
9/10/2020		0.044 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.082	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/10/2017	<0.082	
4/7/2017	<0.082	
6/26/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082 (D)	
10/3/2018	<0.082	
3/27/2019		0.036 (J)
9/12/2019		0.043 (J)
3/19/2020		0.054 (J)
9/10/2020		0.034 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.1	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/11/2016	<0.1	
12/5/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1	
10/5/2018	<0.1	
3/27/2019		0.041 (J)
9/12/2019		0.041 (J)
3/20/2020		<0.1
9/11/2020		0.034 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	0.044 (J)	
6/17/2016	<0.082	
8/10/2016	<0.082	
10/14/2016	<0.082	
12/19/2016	0.1 (J)	
2/13/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/23/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.04 (J)
9/12/2019		0.044 (J)
3/19/2020		0.049 (J)
9/11/2020		0.035 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.041 (J)	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/9/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019		0.037 (J)
9/12/2019		0.042 (J)
3/19/2020		0.044 (J)
9/10/2020		0.036 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	0.033 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/10/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019		0.033 (J)
9/12/2019		0.042 (J)
3/19/2020		0.042 (J)
9/10/2020		0.04 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.027 (J)	
6/16/2016	<0.026	
8/10/2016	<0.026	
10/13/2016	<0.026	
12/5/2016	<0.026	
2/13/2017	<0.026	
4/10/2017	<0.026	
6/23/2017	<0.026	
10/11/2017	<0.026	
3/26/2018	<0.026	
10/4/2018	<0.026	
3/27/2019		<0.026
9/12/2019		0.028 (J)
3/19/2020		0.037 (J)
9/11/2020		0.049 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.082	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/13/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/11/2017	<0.082	
6/24/2017	<0.082	
10/11/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019		0.039 (J)
9/12/2019		0.042 (J)
3/19/2020		0.053 (J)
9/11/2020		0.041 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (S.U.) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
5/22/2015	5.8	
11/13/2015	5.87	
4/11/2016	5.84	
6/15/2016	5.82	
8/10/2016	5.82	
10/11/2016	5.78	
12/5/2016	5.72	
2/13/2017	5.81	
4/10/2017	5.75	
6/23/2017	5.78	
10/10/2017	5.82	
3/26/2018	5.91	
10/4/2018	5.83	
3/28/2019		5.95
9/12/2019		5.98
3/19/2020		5.97
9/10/2020		6.09

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.38	
6/14/2016	<0.38	
8/9/2016	<0.38	
10/11/2016	<0.38	
12/5/2016	<0.38	
2/10/2017	<0.38	
4/7/2017	<0.38	
6/22/2017	<0.38	
10/10/2017	<0.38	
3/22/2018	<0.38	
10/5/2018	<0.38	
3/27/2019		<0.38
9/12/2019		0.4 (J)
3/20/2020		0.58 (J)
9/11/2020		0.39 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	2.15	
6/15/2016	<2.5	
8/10/2016	2.5	
10/11/2016	2.7	
12/5/2016	2.6	
2/13/2017	2.4	
4/10/2017	2.3	
6/23/2017	2.5	
10/10/2017	2.5	
3/26/2018	2.4	
10/4/2018	2.8	
3/28/2019		3.2
9/12/2019		3.2
3/19/2020		3.2
9/10/2020		2.7

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate, total (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<1	
6/16/2016	10	
8/11/2016	9.8	
10/13/2016	11	
12/5/2016	13	
2/13/2017	14	
4/11/2017	12	
6/24/2017	12	
10/11/2017	13	
3/26/2018	20	
10/4/2018	23	
3/28/2019		29
9/12/2019		34
3/19/2020		40
9/11/2020		39

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/16/2021 11:45 AM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	51	
6/14/2016	62	
8/10/2016	70	
10/11/2016	84	
12/2/2016	74	
2/10/2017	100	
4/10/2017	82	
6/23/2017	72	
10/9/2017	82	
3/26/2018	94	
10/3/2018	72	
3/27/2019		98
9/12/2019		130
3/19/2020		100
9/10/2020		110

FIGURE F.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic, Total (mg/L)	GWA-45	0.0015	n/a	4/2/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.00031J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWA-49	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-29	0.0013	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-50	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic, Total (mg/L)	GWC-53	0.0011	n/a	4/6/2021	0.001ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Barium, Total (mg/L)	GWA-21	0.02935	n/a	4/2/2021	0.02	No	27	0.0227	0.00306	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-22	0.02993	n/a	4/2/2021	0.023	No	28	0.02437	0.00257	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-45	0.05701	n/a	4/2/2021	0.11	Yes	24	0.03215	0.01125	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-46	0.02282	n/a	4/5/2021	0.022	No	27	0.01947	0.001543	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWA-47	0.045	n/a	4/5/2021	0.028	No	27	n/a	n/a	0	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-48	0.031	n/a	4/5/2021	0.015	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium, Total (mg/L)	GWA-49	0.02233	n/a	4/6/2021	0.02	No	28	0.01933	0.001391	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-29	0.01961	n/a	4/6/2021	0.018	No	28	0.01603	0.001661	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-50	0.014	n/a	4/6/2021	0.013	No	28	0.0001382	0.00002671	0	None	x^2	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-51	0.01222	n/a	4/5/2021	0.01	No	28	0.00009473	0.00002527	3.571	None	x^2	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-52	0.01758	n/a	4/5/2021	0.019	Yes	28	0.01176	0.00269	0	None	No	0.0007523	Param Intra 1 of 2
Barium, Total (mg/L)	GWC-53	0.11	n/a	4/6/2021	0.041	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Beryllium, Total (mg/L)	GWA-22	0.0025	n/a	4/2/2021	0.00019J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Beryllium, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWA-47	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium, Total (mg/L)	GWC-50	0.0025	n/a	4/6/2021	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Chromium, Total (mg/L)	GWA-21	0.008995	n/a	4/2/2021	0.0029	No	28	0.05889	0.01663	14.29	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-22	0.01164	n/a	4/2/2021	0.01	No	28	0.006711	0.002282	7.143	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWA-46	0.0088	n/a	4/5/2021	0.0041	No	28	n/a	n/a	3.571	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-47	0.045	n/a	4/5/2021	0.0084	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-48	0.028	n/a	4/5/2021	0.0061	No	28	n/a	n/a	7.143	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWA-49	0.009199	n/a	4/6/2021	0.0055	No	28	0.07829	0.008154	3.571	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-29	0.0039	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Chromium, Total (mg/L)	GWC-50	0.006348	n/a	4/6/2021	0.0044	No	28	0.004525	0.0008434	7.143	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-51	0.005825	n/a	4/5/2021	0.0054	No	28	0.003553	0.001051	10.71	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-52	0.01533	n/a	4/5/2021	0.031	Yes	24	0.00975	0.002526	4.167	None	No	0.0007523	Param Intra 1 of 2
Chromium, Total (mg/L)	GWC-53	0.0041	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Cobalt, Total (mg/L)	GWA-21	0.0014	n/a	4/2/2021	0.00016J	No	28	n/a	n/a	64.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-22	0.0025	n/a	4/2/2021	0.00026J	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-45	0.01078	n/a	4/2/2021	0.002J	No	28	0.1408	0.03707	25	Kaplan-Meier	x^(1/3)	0.0007523	Param Intra 1 of 2
Cobalt, Total (mg/L)	GWA-46	0.0025	n/a	4/5/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-47	0.0025	n/a	4/5/2021	0.00017J	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-48	0.0025	n/a	4/5/2021	0.00019J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWA-49	0.0025	n/a	4/6/2021	0.0025ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.0002J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt, Total (mg/L)	GWC-53	0.01667	n/a	4/6/2021	0.0062	No	28	0.008496	0.003782	7.143	None	No	0.0007523	Param Intra 1 of 2
Copper, Total (mg/L)	GWA-21	0.0023	n/a	4/2/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-22	0.003	n/a	4/2/2021	0.002ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-45	0.0034	n/a	4/2/2021	0.002ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWA-47	0.022	n/a	4/5/2021	0.0019J	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Copper, Total (mg/L)	GWA-48	0.0084	n/a	4/5/2021	0.00093J	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper, Total (mg/L)	GWC-51	0.002	n/a	4/5/2021	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-21	0.0022	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00018J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-45	0.0016	n/a	4/2/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-47	0.001	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Lead, Total (mg/L)	GWC-51	0.0015	n/a	4/5/2021	0.001ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-21	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-22	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-45	0.0002	n/a	4/2/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2

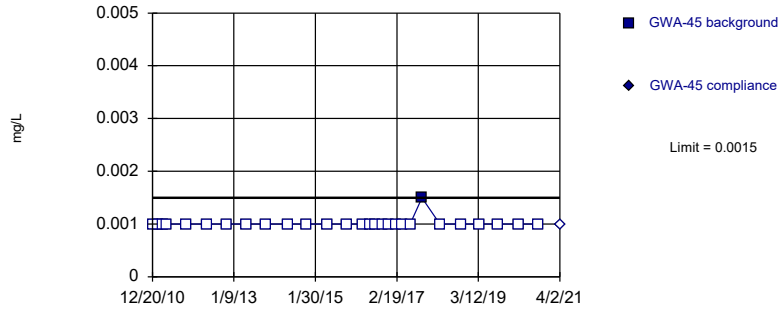
Appendix I Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, Total (mg/L)	GWA-46	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-47	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-48	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWA-49	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-29	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-50	0.0002	n/a	4/6/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury, Total (mg/L)	GWC-52	0.0002	n/a	4/5/2021	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-21	0.0018	n/a	4/2/2021	0.00046J	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00049J	No	22	n/a	n/a	100	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-45	0.0018	n/a	4/2/2021	0.00077J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-46	0.001	n/a	4/5/2021	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-47	0.022	n/a	4/5/2021	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-48	0.016	n/a	4/5/2021	0.00034J	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWA-49	0.001	n/a	4/6/2021	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-29	0.0047	n/a	4/6/2021	0.0042	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.0018	n/a	4/6/2021	0.0019	Yes	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-51	0.0025	n/a	4/5/2021	0.002	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel, Total (mg/L)	GWC-53	0.008258	n/a	4/6/2021	0.0072	No	23	0.006804	0.0006526	8.696	None	No	0.0007523	Param Intra 1 of 2
Selenium, Total (mg/L)	GWA-22	0.005	n/a	4/2/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-45	0.005	n/a	4/2/2021	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-47	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-48	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWA-49	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-29	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-50	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-52	0.005	n/a	4/5/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium, Total (mg/L)	GWC-53	0.005	n/a	4/6/2021	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-21	0.001	n/a	4/2/2021	0.00016J	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-22	0.001	n/a	4/2/2021	0.00036J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-45	0.001	n/a	4/2/2021	0.001ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWA-48	0.001	n/a	4/5/2021	0.00043J	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-50	0.001	n/a	4/6/2021	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium, Total (mg/L)	GWC-51	0.001	n/a	4/5/2021	0.00022J	No	28	n/a	n/a	100	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-21	0.0031	n/a	4/2/2021	0.0029	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-22	0.0052	n/a	4/2/2021	0.0045	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-45	0.0036	n/a	4/2/2021	0.0014	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium, Total (mg/L)	GWA-46	0.006504	n/a	4/5/2021	0.003	No	22	0.05801	0.01008	18.18	Kaplan-Meier	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-47	0.0299	n/a	4/5/2021	0.0085	No	23	0.1014	0.03211	8.696	None	sqrt(x)	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-48	0.02341	n/a	4/5/2021	0.019	No	22	0.01572	0.003424	4.545	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWA-49	0.02263	n/a	4/6/2021	0.021	No	23	0.01862	0.0018	0	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-29	0.007283	n/a	4/6/2021	0.0045	No	23	0.004774	0.001126	8.696	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-50	0.004715	n/a	4/6/2021	0.0026	No	23	0.003096	0.0007265	39.13	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-51	0.007316	n/a	4/5/2021	0.0059	No	23	0.004446	0.001288	21.74	Kaplan-Meier	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-52	0.01371	n/a	4/5/2021	0.011	No	23	0.01109	0.001178	8.696	None	No	0.0007523	Param Intra 1 of 2
Vanadium, Total (mg/L)	GWC-53	0.0065	n/a	4/6/2021	0.001ND	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-21	0.005	n/a	4/2/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-22	0.0085	n/a	4/2/2021	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-45	0.0098	n/a	4/2/2021	0.0058	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-46	0.0096	n/a	4/5/2021	0.0049J	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-47	0.0087	n/a	4/5/2021	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-48	0.005	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWA-49	0.005	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-29	0.0058	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-50	0.0076	n/a	4/6/2021	0.005ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-51	0.005	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-52	0.0073	n/a	4/5/2021	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc, Total (mg/L)	GWC-53	0.02028	n/a	4/6/2021	0.014	No	22	0.01392	0.002833	0	None	No	0.0007523	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

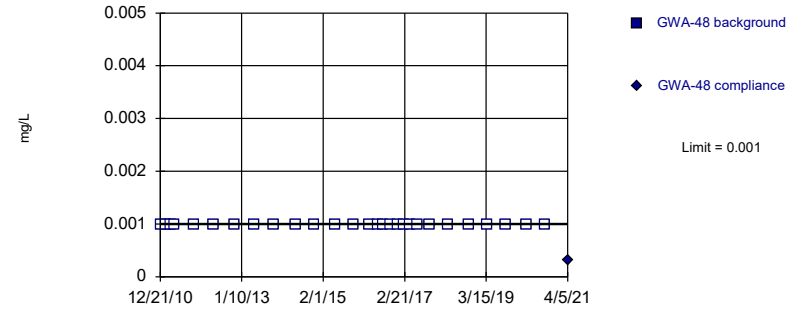


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

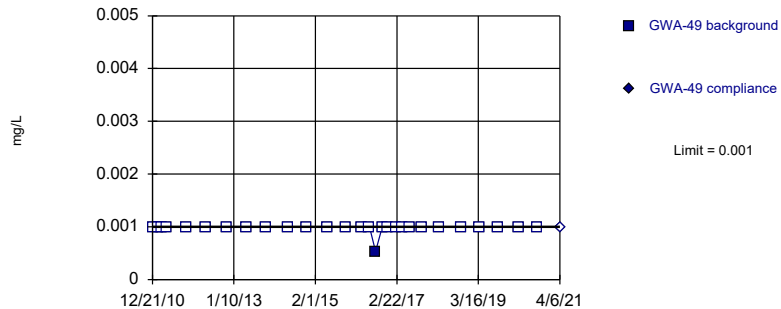


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

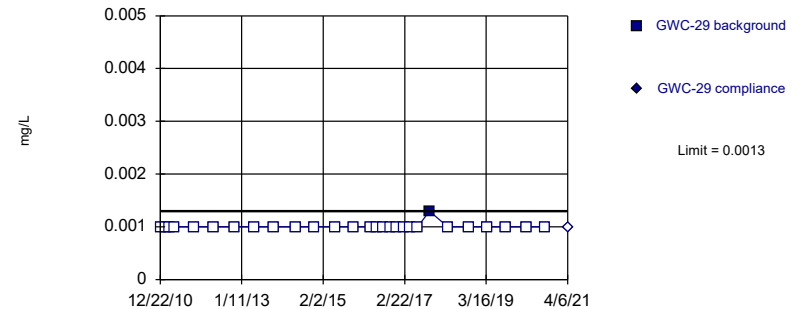


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

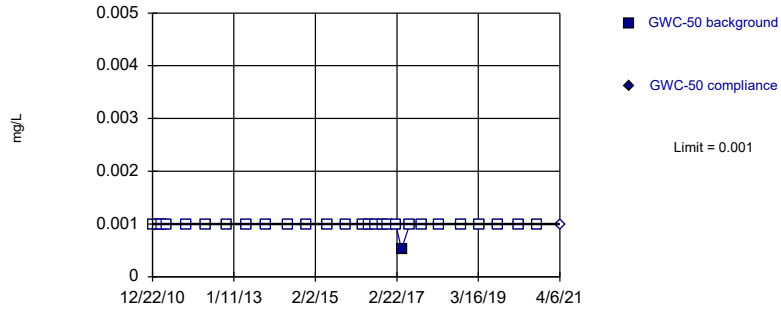


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

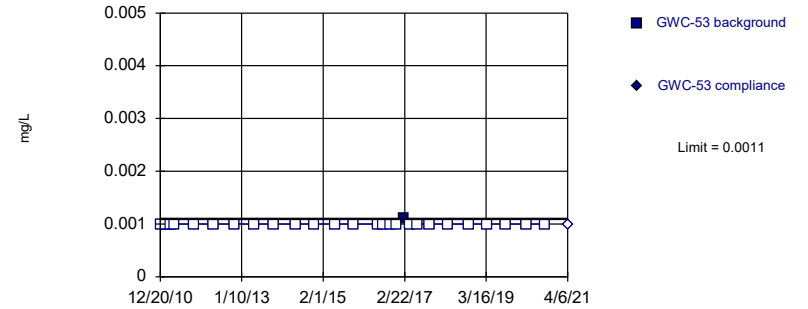


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

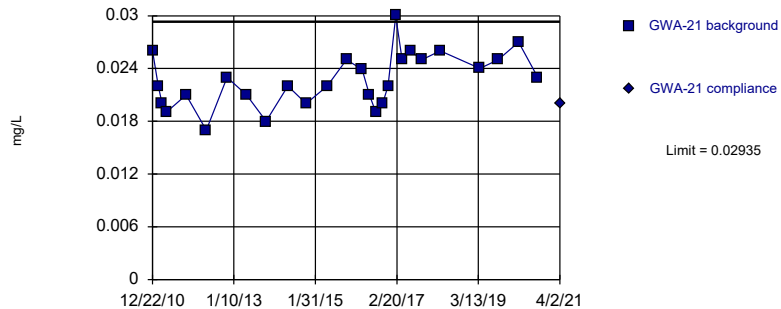


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Arsenic, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

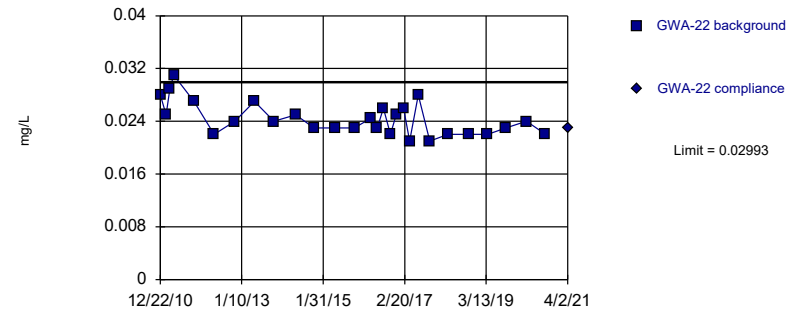


Background Data Summary: Mean=0.0227, Std. Dev.=0.00306, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

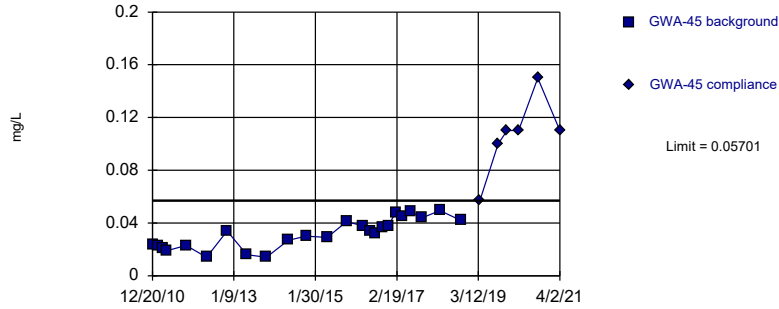


Background Data Summary: Mean=0.02437, Std. Dev.=0.00257, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

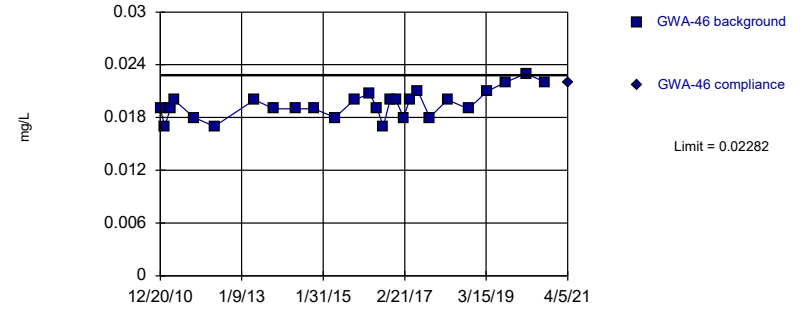


Background Data Summary: Mean=0.03215, Std. Dev.=0.01125, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9526, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

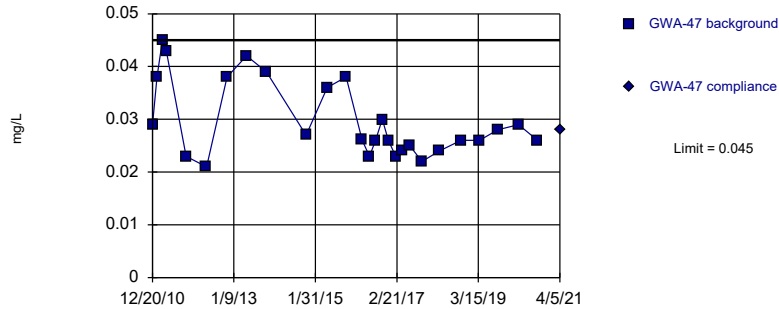


Background Data Summary: Mean=0.01947, Std. Dev.=0.001543, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9506, critical = 0.894. Kappa = 2.172 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

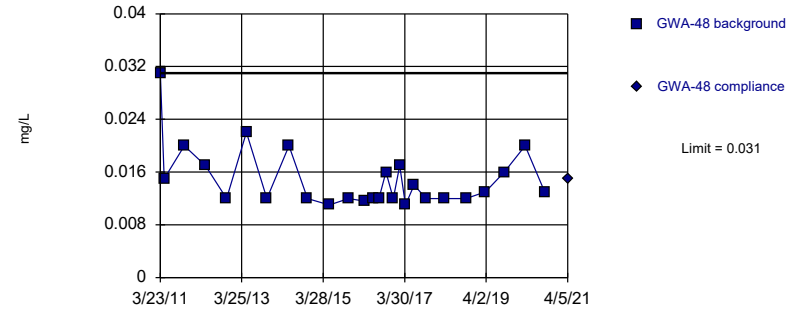


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

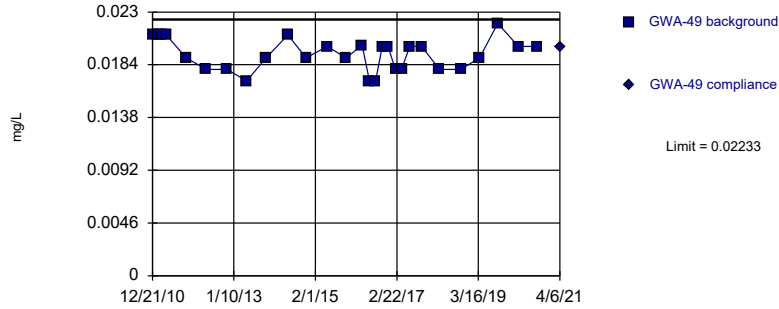


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Parametric

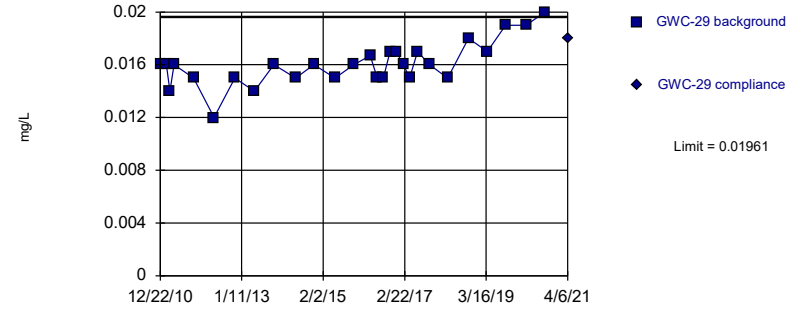


Background Data Summary: Mean=0.01933, Std. Dev.=0.001391, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Parametric

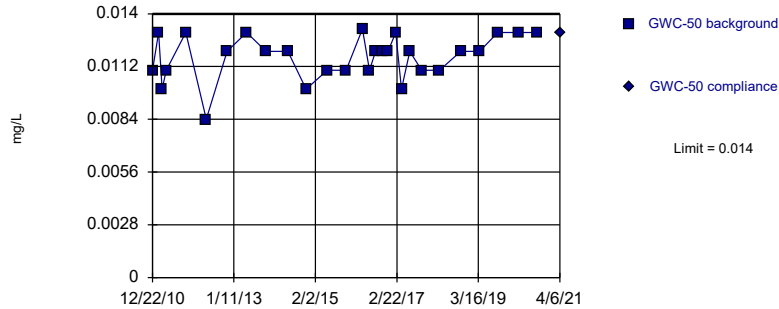


Background Data Summary: Mean=0.01603, Std. Dev.=0.001661, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9382, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Parametric



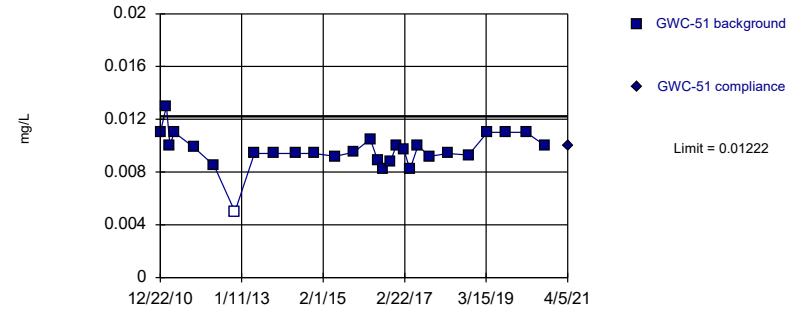
Background Data Summary (based on square transformation): Mean=0.0001382, Std. Dev.=0.00002671, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.902, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric

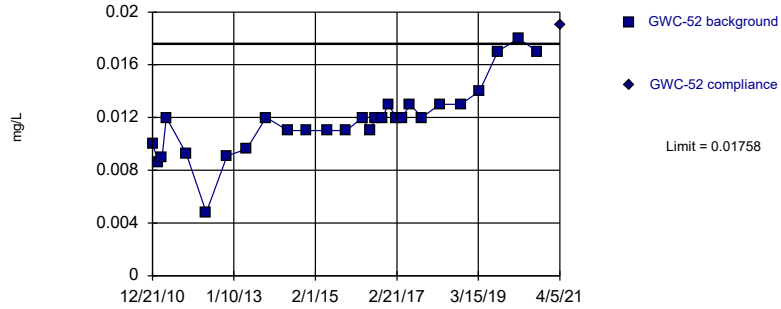


Background Data Summary (based on square transformation): Mean=0.00009473, Std. Dev.=0.00002527, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

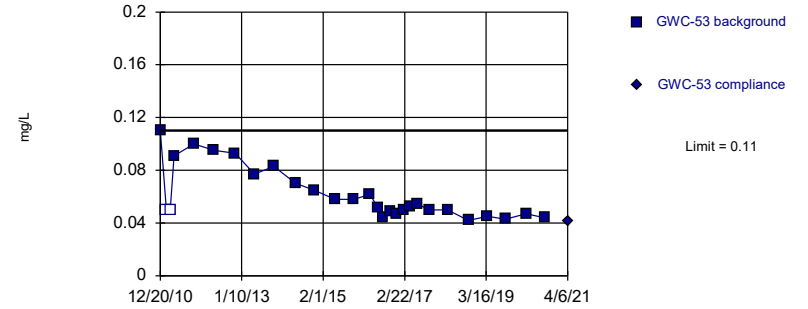


Background Data Summary: Mean=0.01176, Std. Dev.=0.00269, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

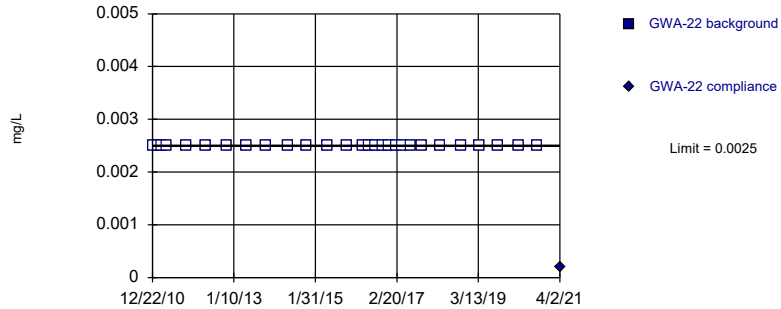


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

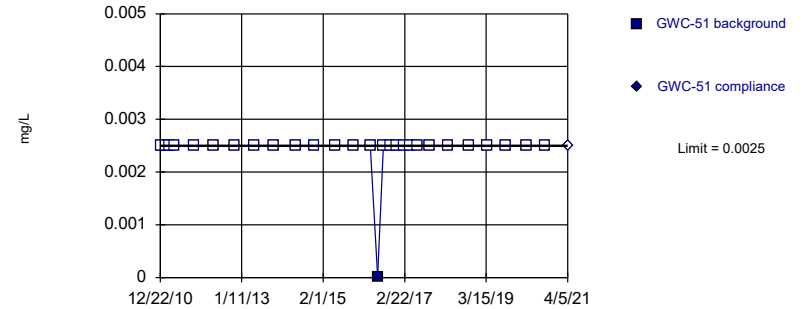


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

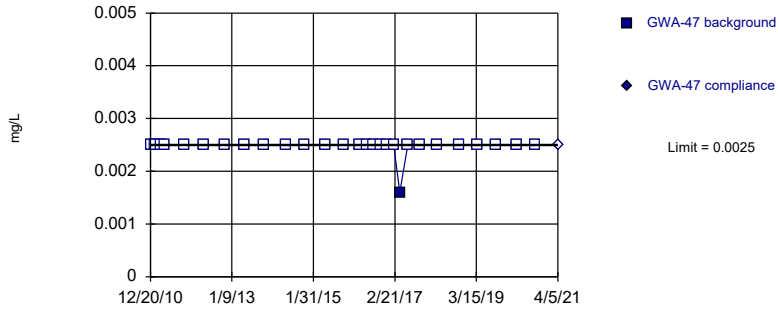


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Beryllium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

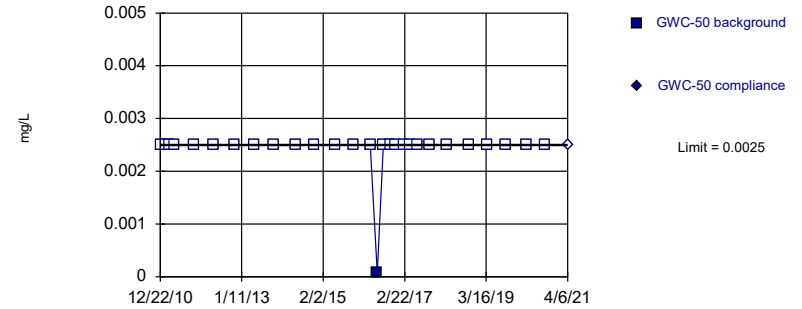


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

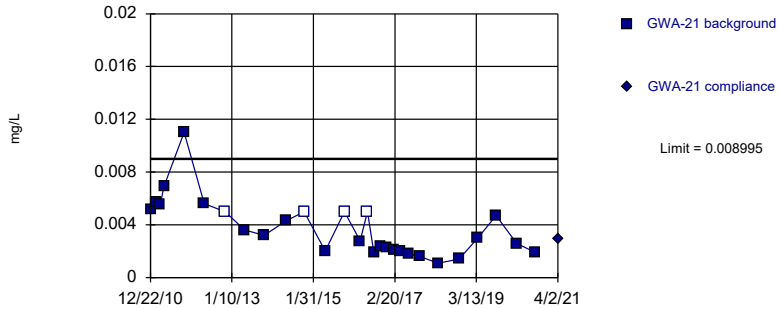


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

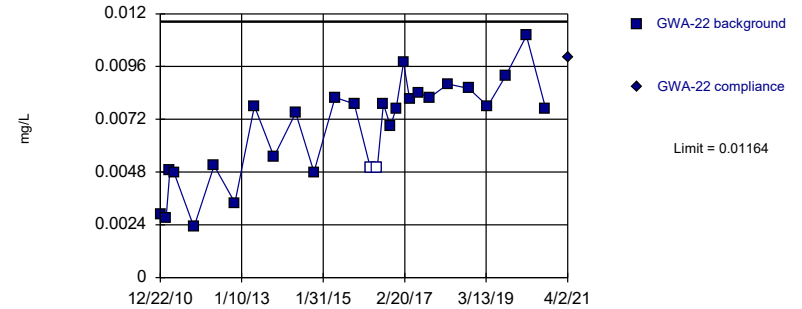


Background Data Summary (based on square root transformation): Mean=0.05889, Std. Dev.=0.01663, n=28, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9352, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

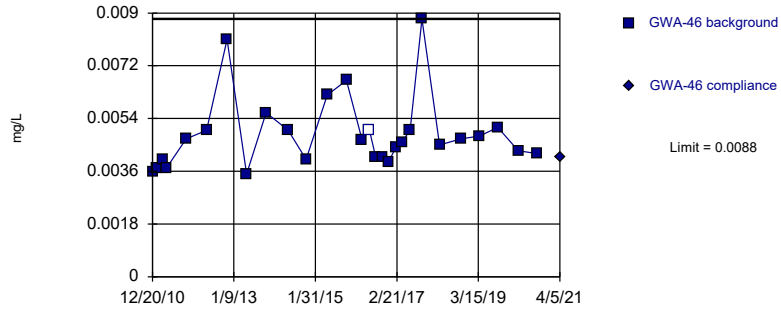


Background Data Summary: Mean=0.006711, Std. Dev.=0.002282, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

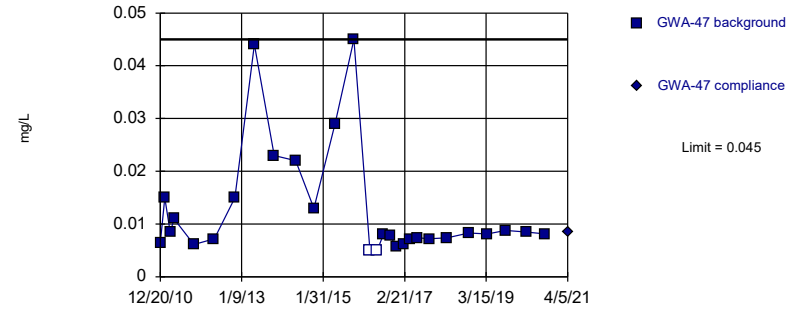


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 3.571% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

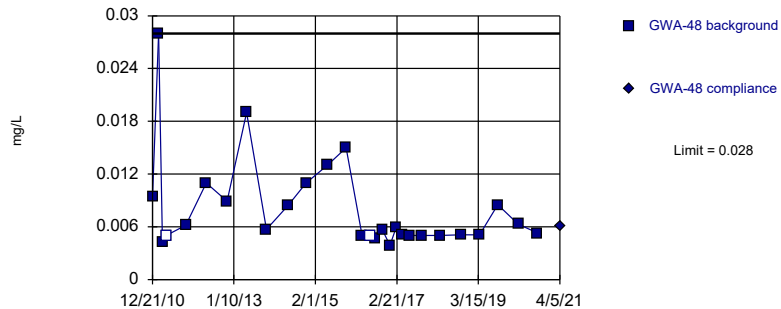


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

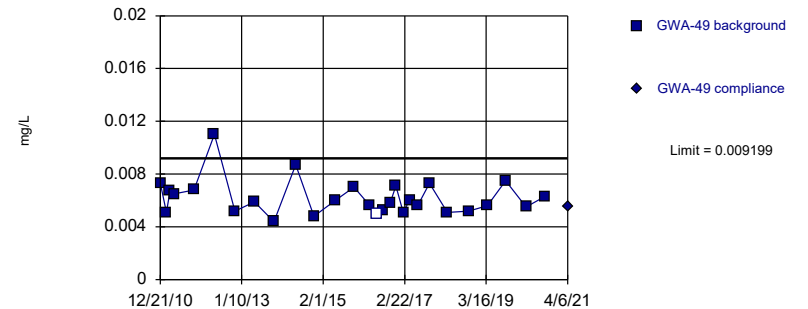


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 7.143% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

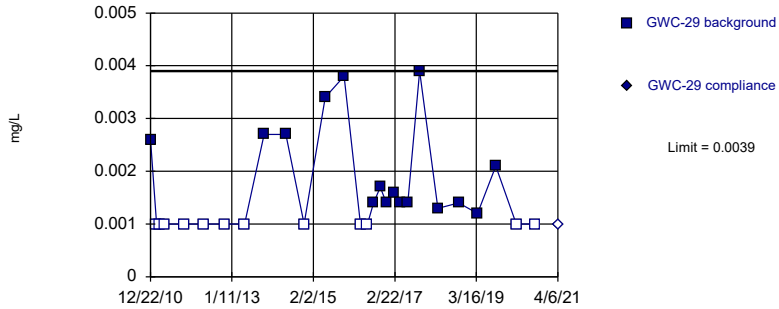


Background Data Summary (based on square root transformation): Mean=0.07829, Std. Dev.=0.008154, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8979, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

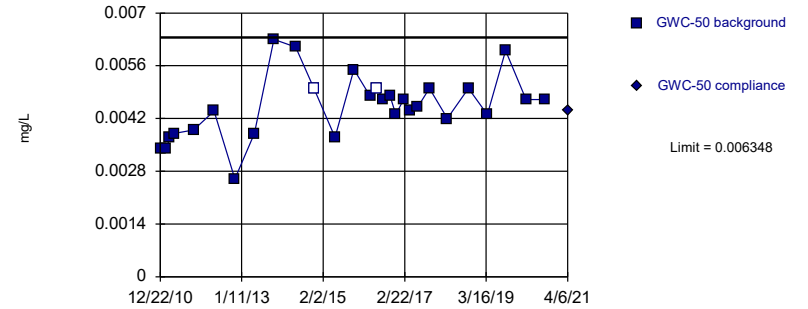


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

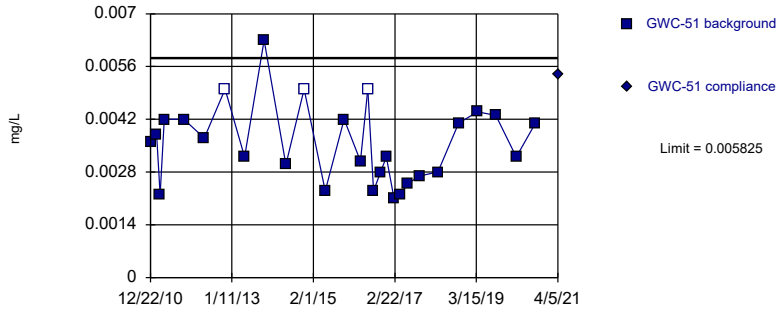


Background Data Summary: Mean=0.004525, Std. Dev.=0.0008434, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

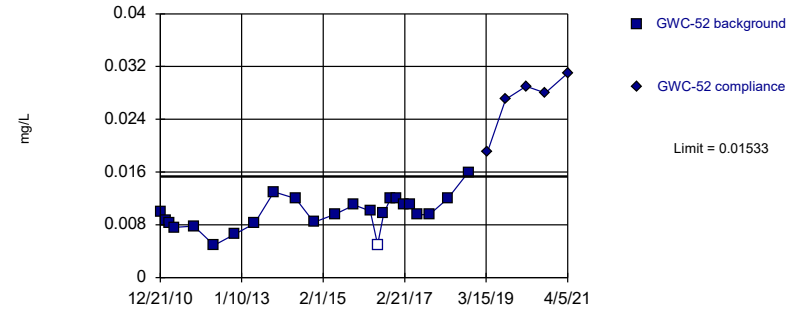


Background Data Summary: Mean=0.003553, Std. Dev.=0.001051, n=28, 10.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

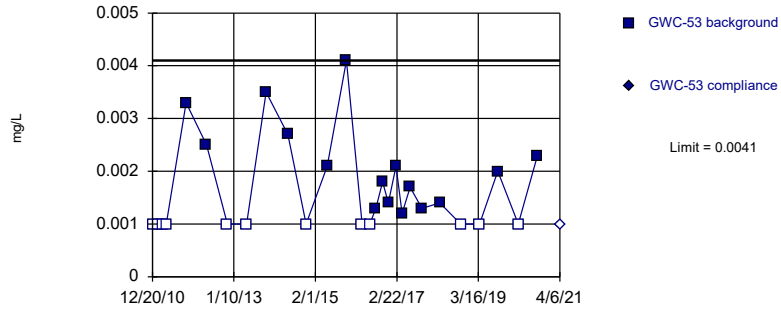


Background Data Summary: Mean=0.00975, Std. Dev.=0.002526, n=24, 4.167% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.884. Kappa = 2.211 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

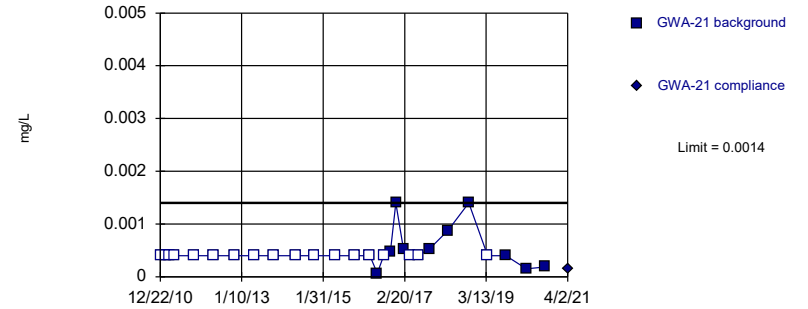


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Chromium, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

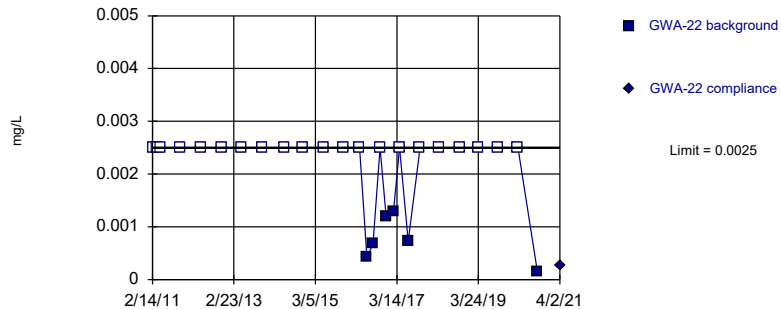


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

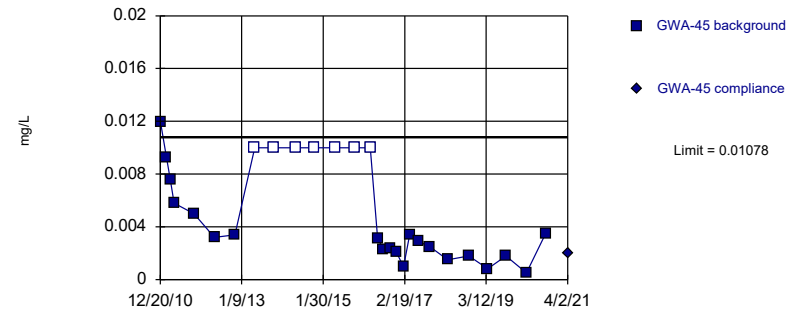


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:20 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

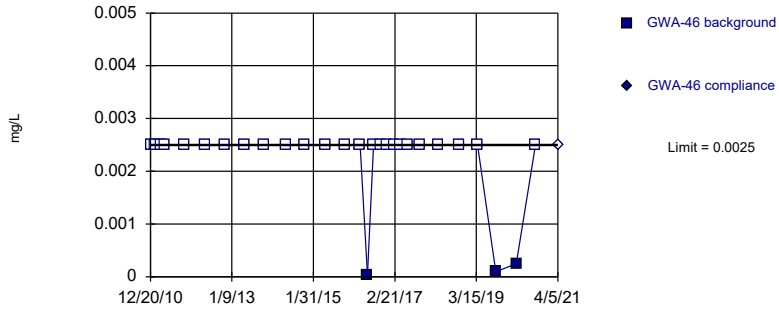


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1408, Std. Dev.=0.03707, n=28, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9082, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

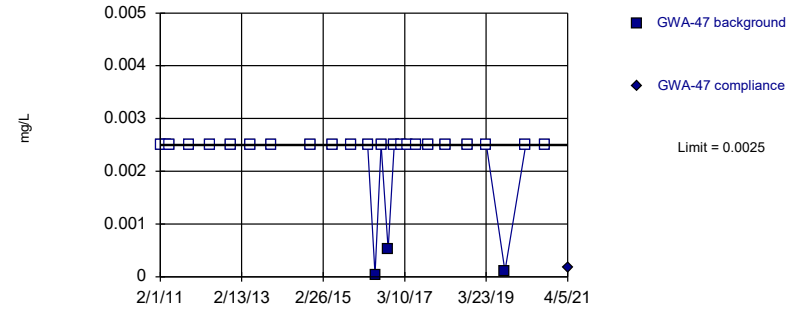


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

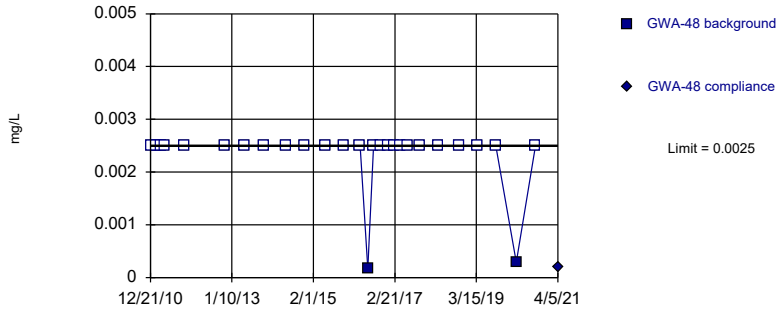


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

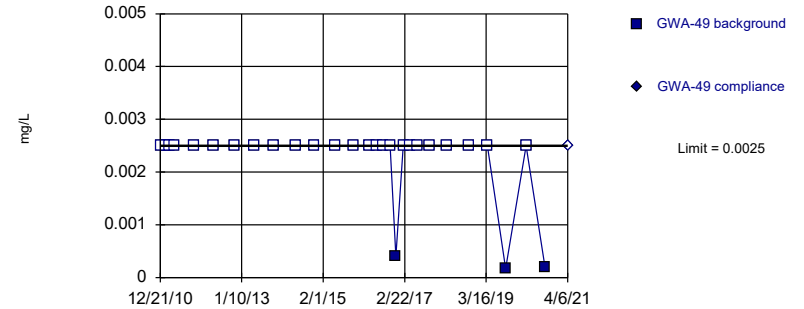


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

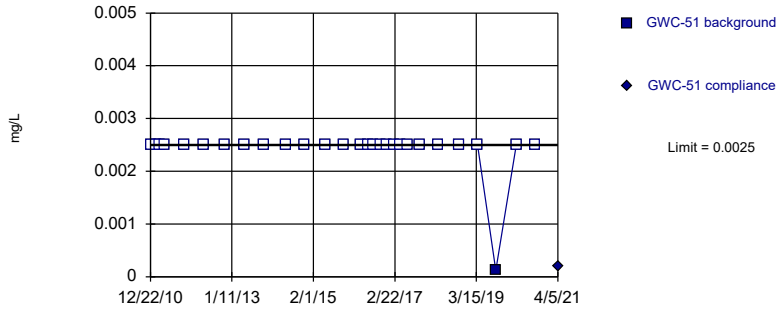


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

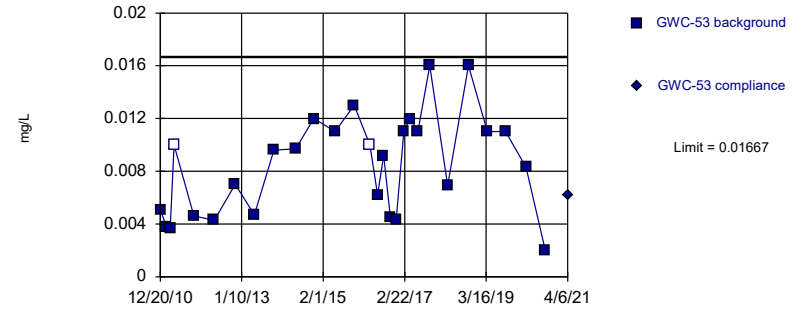


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

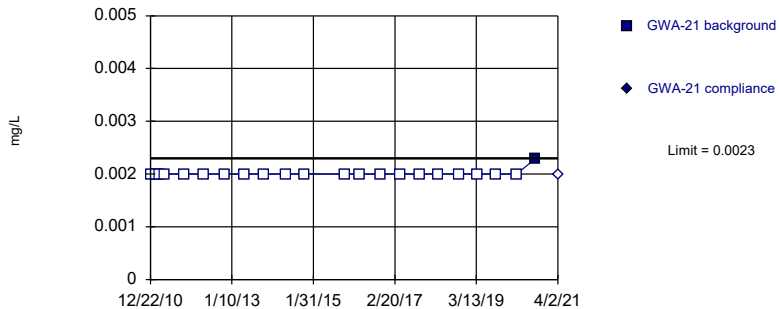


Background Data Summary: Mean=0.008496, Std. Dev.=0.003782, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.896. Kappa = 2.162 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Cobalt, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

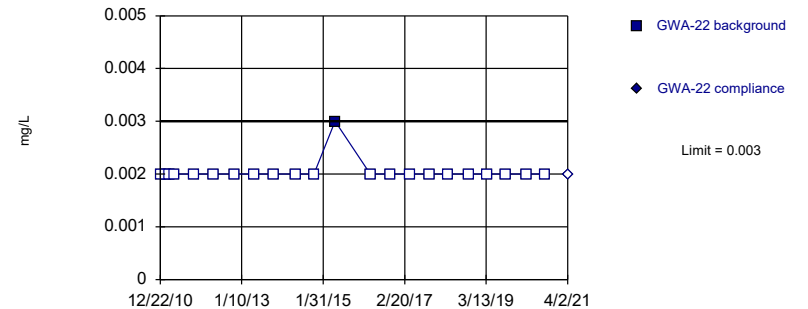


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

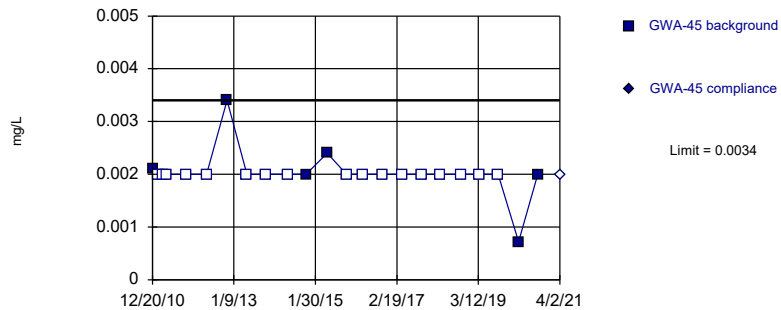


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

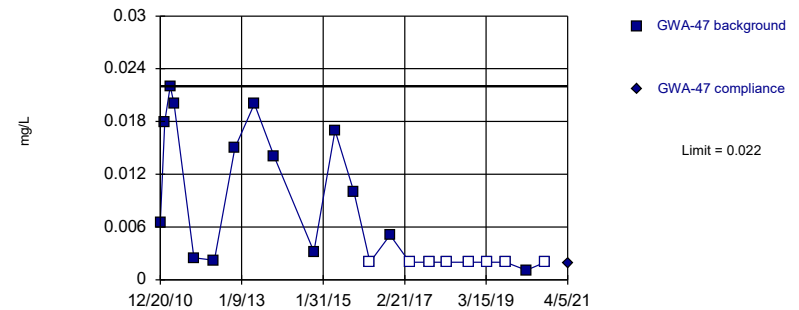


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

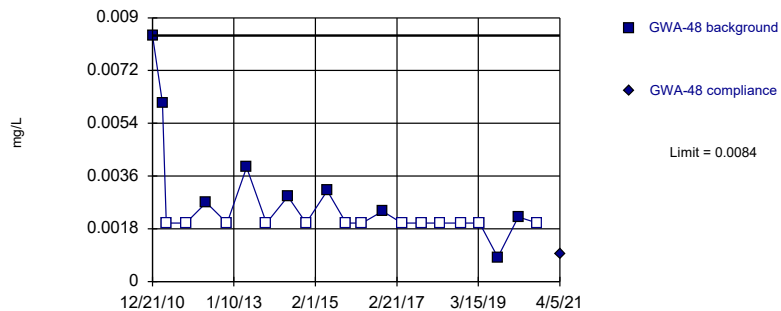


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

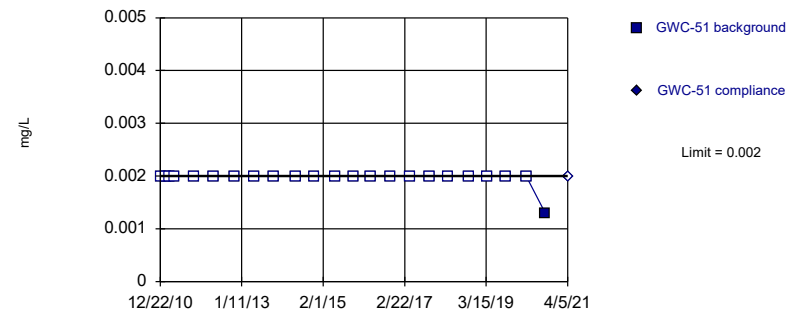


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

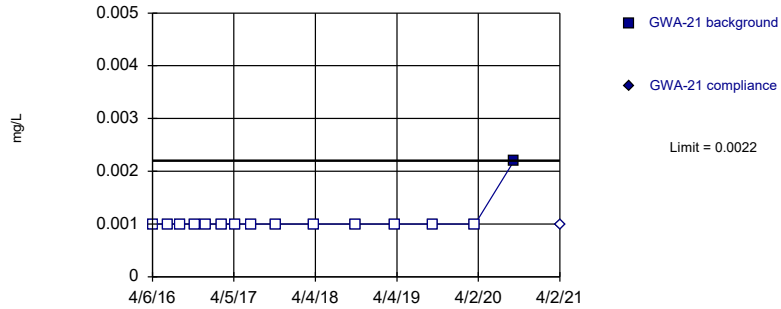


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

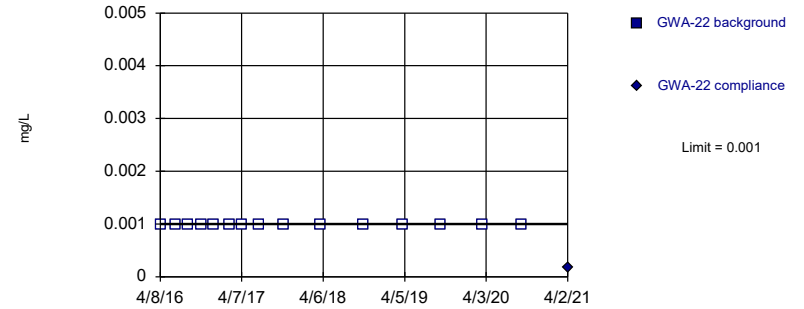


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

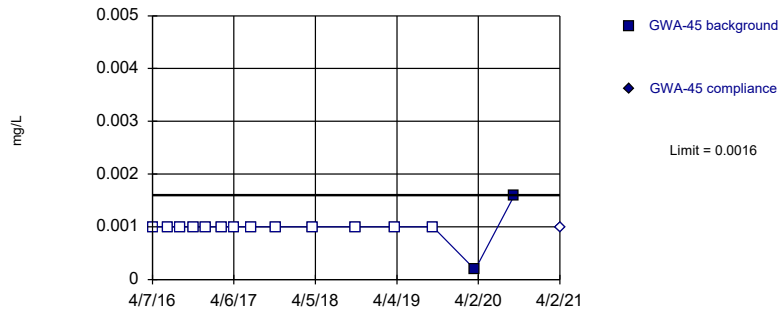


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

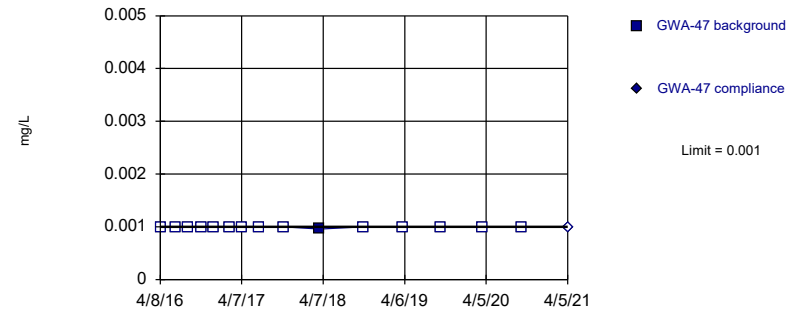


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

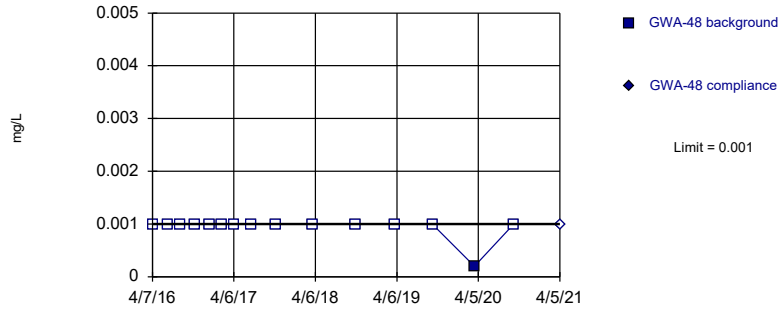


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

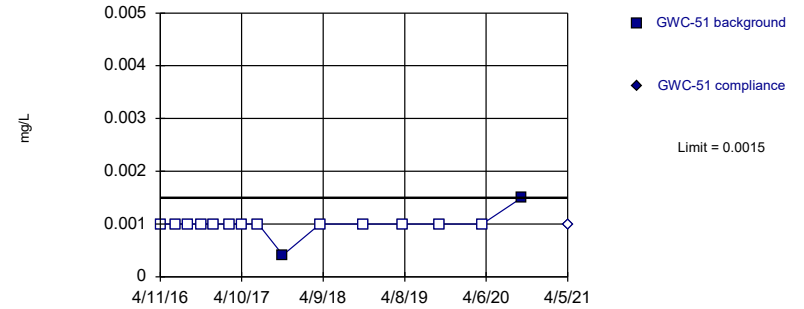


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

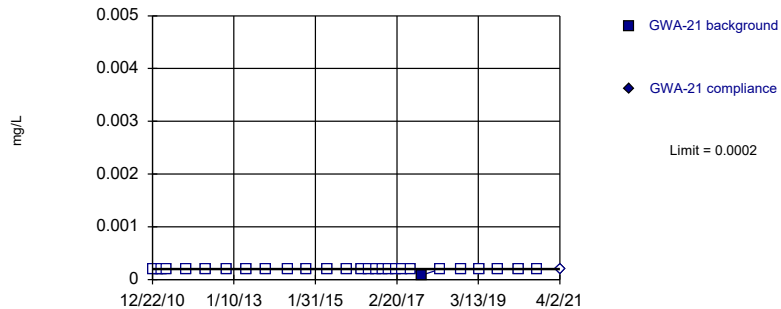


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Lead, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

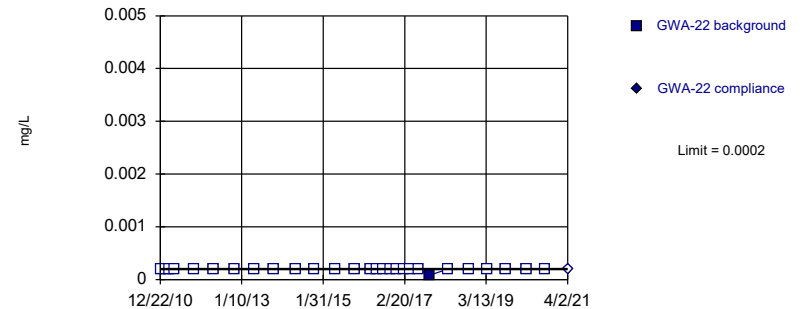


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

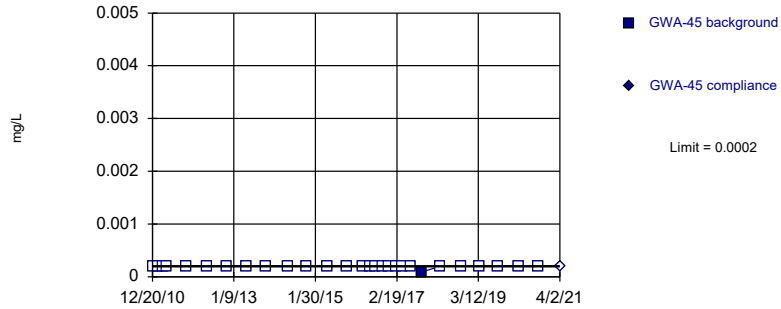


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

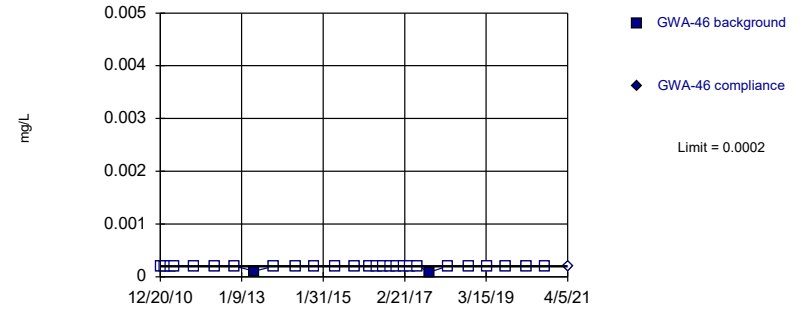


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

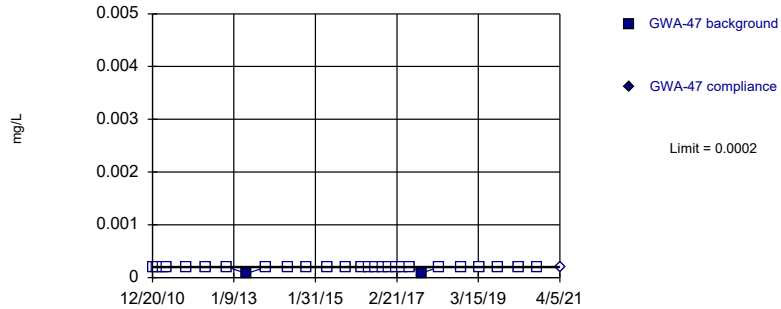


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

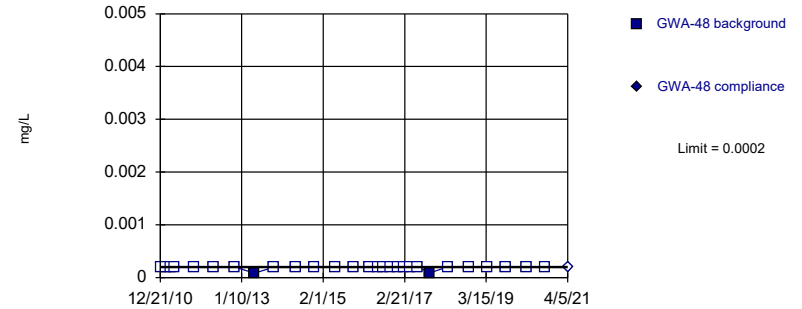


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

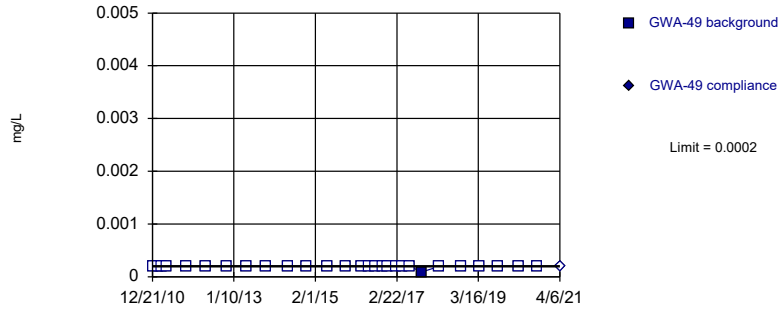


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

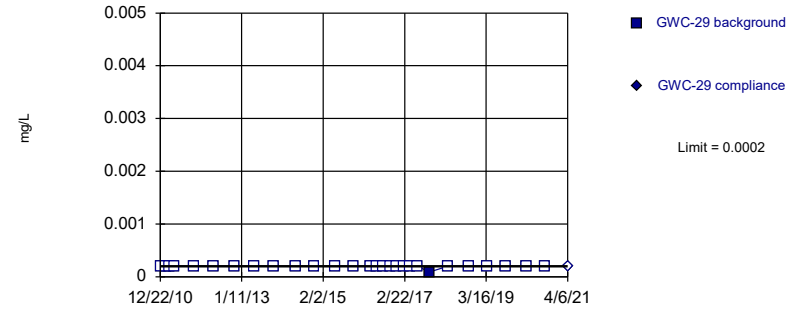


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

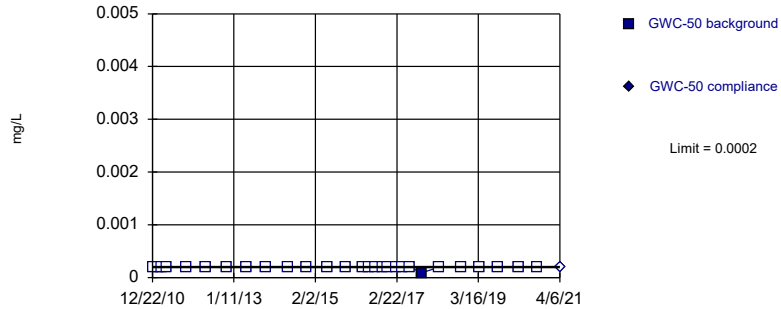


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

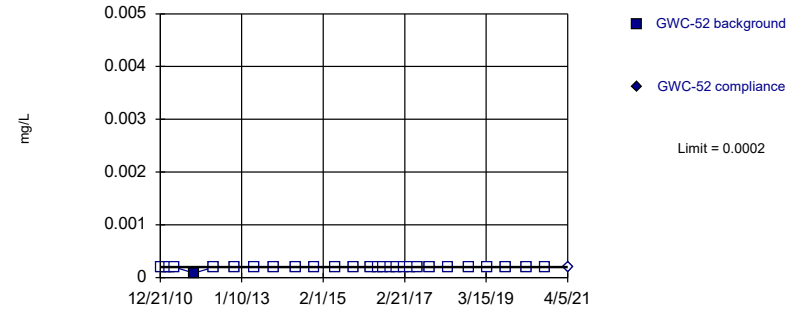


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

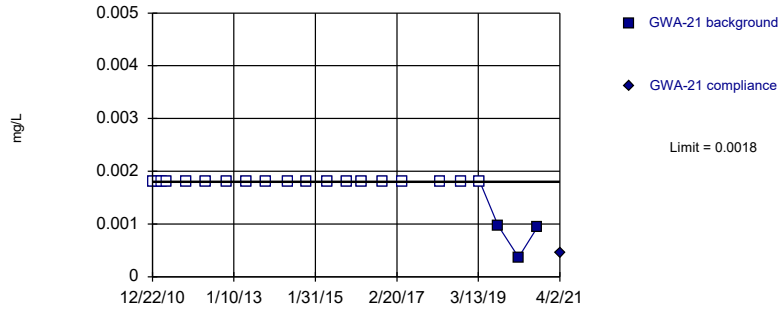


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

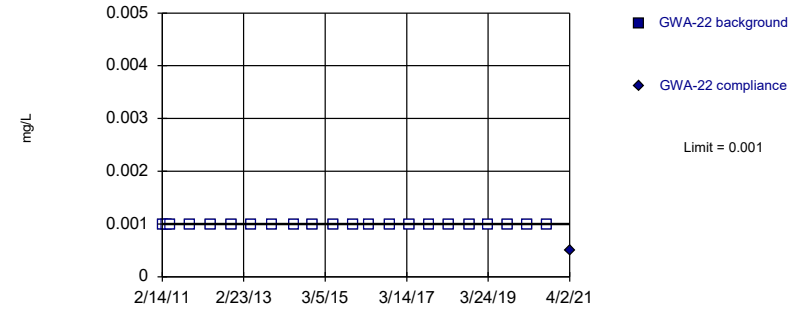


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

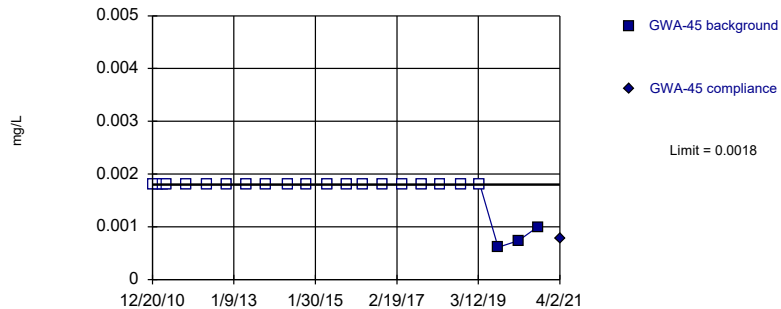


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

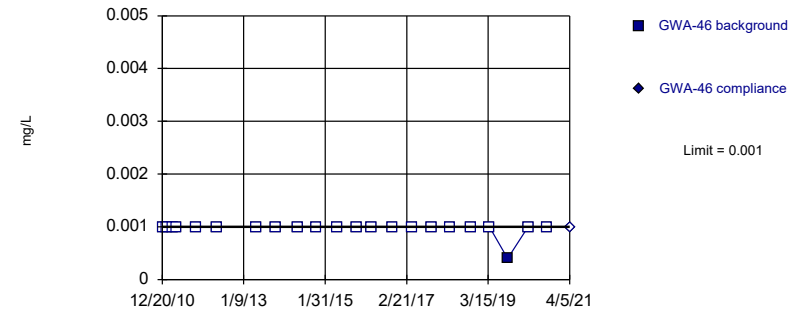


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

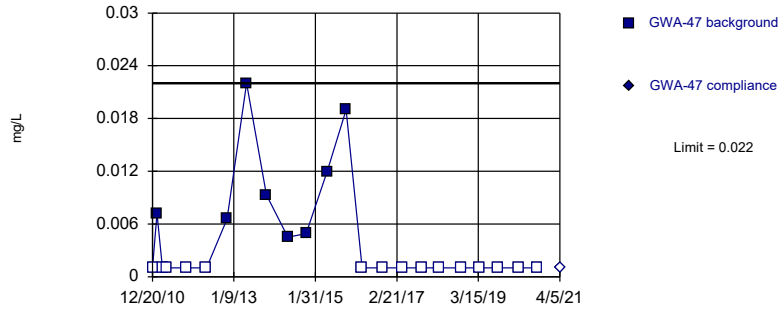


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

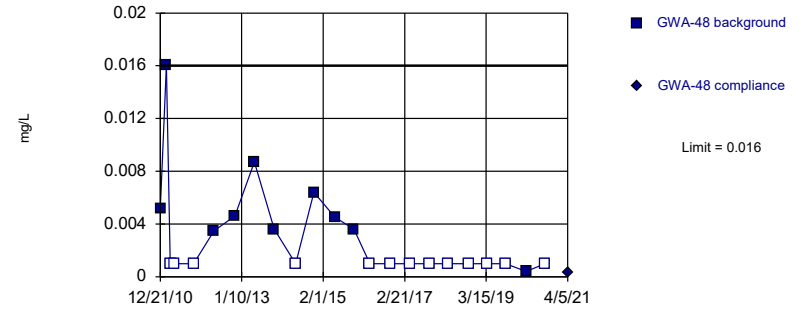


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

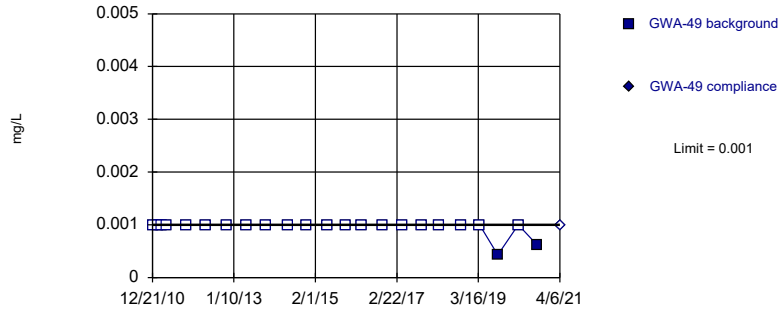


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

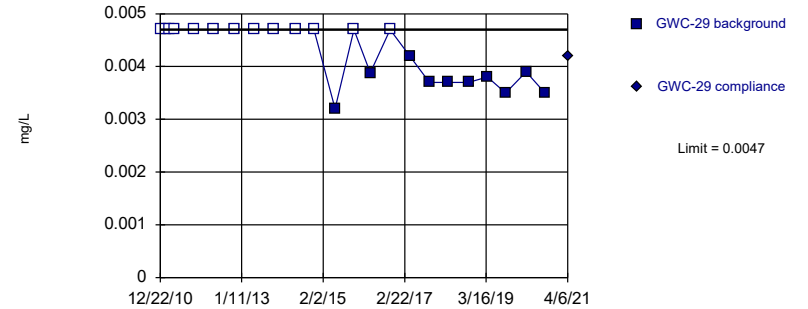


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

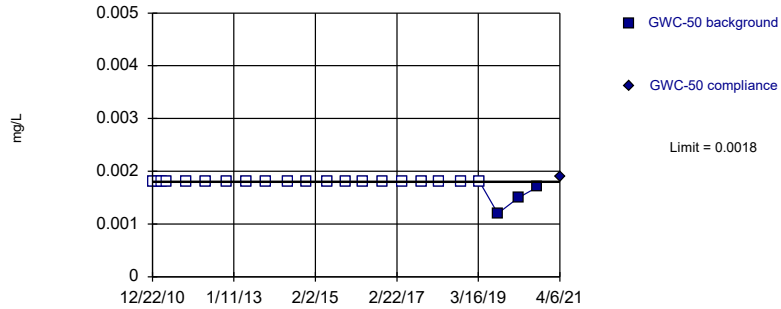


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

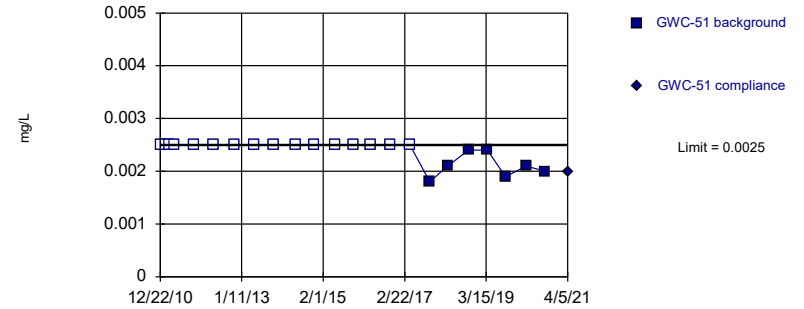


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

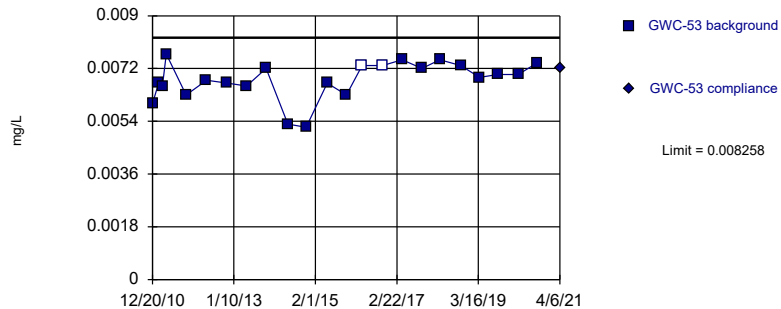


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

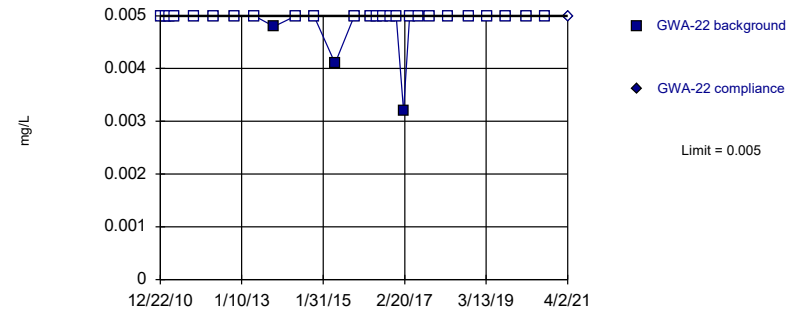


Background Data Summary: Mean=0.006804, Std. Dev.=0.0006526, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9035, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Nickel, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

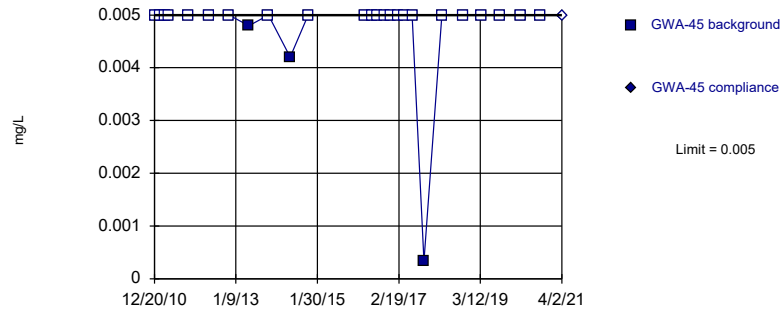


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

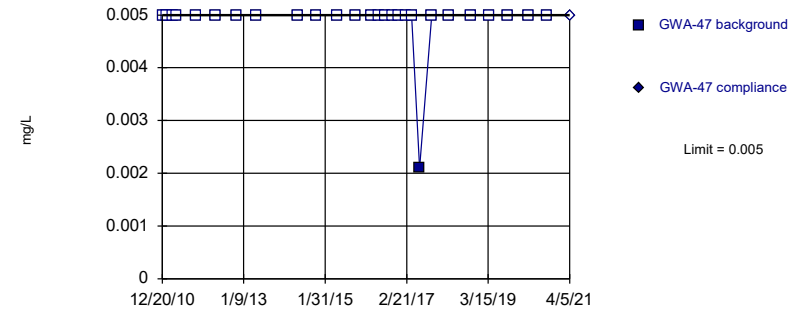


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

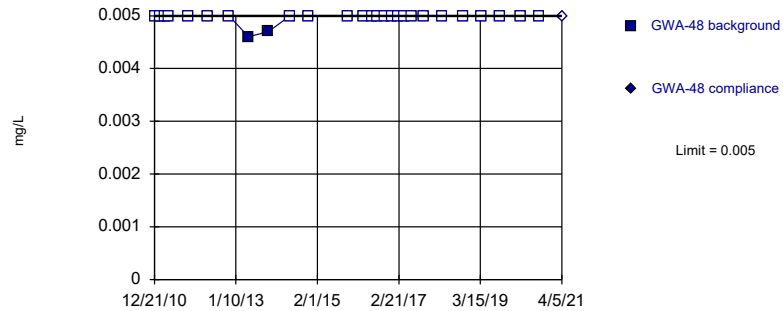


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

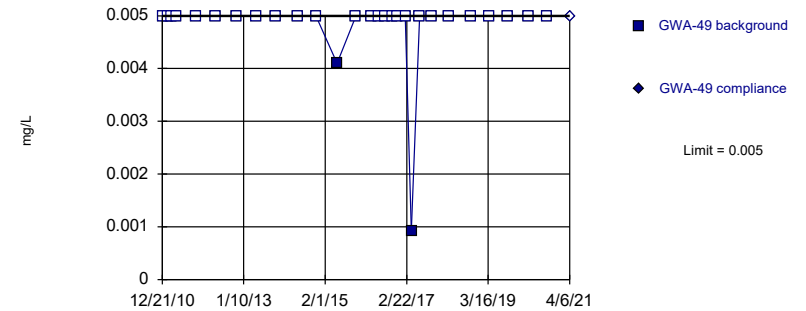


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

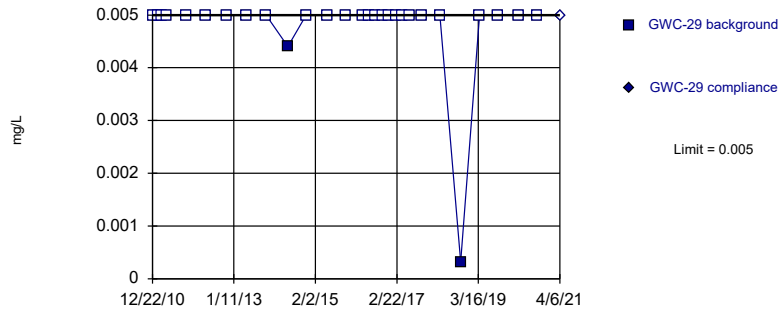


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

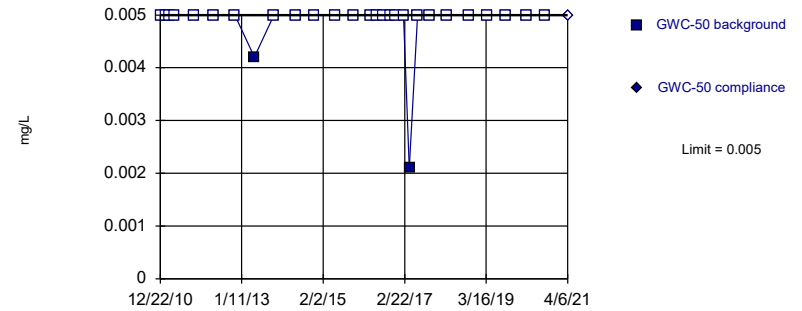


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

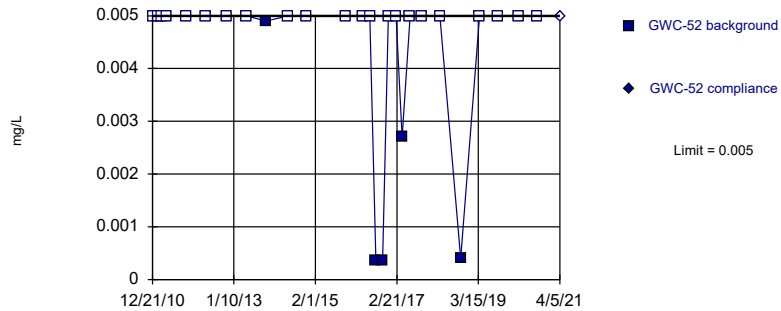


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

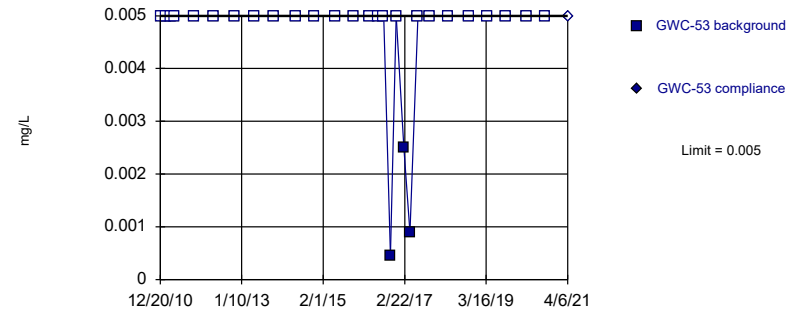


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

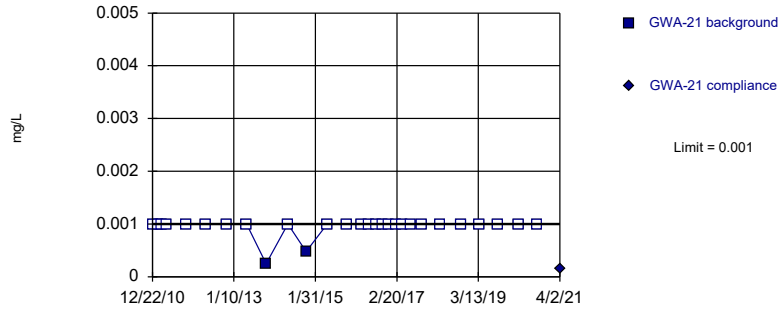


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

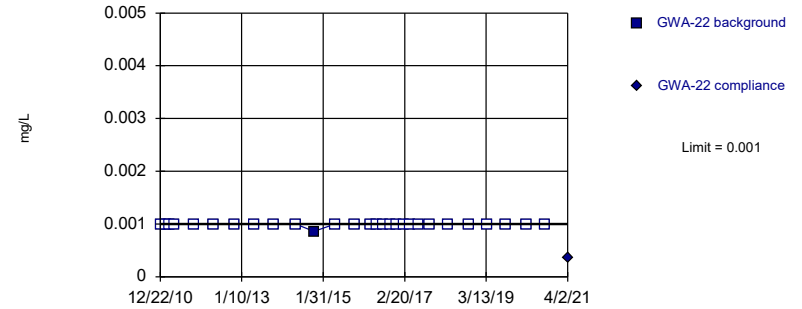


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

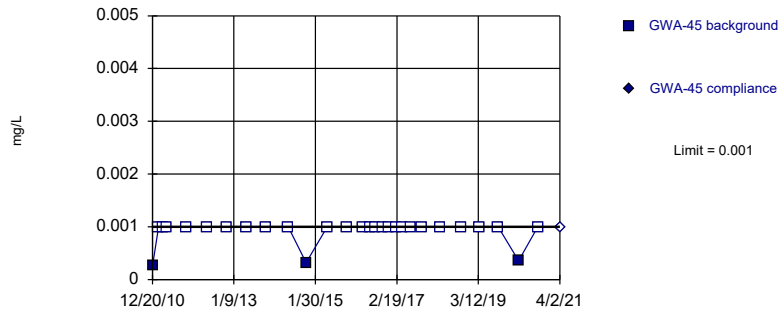


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

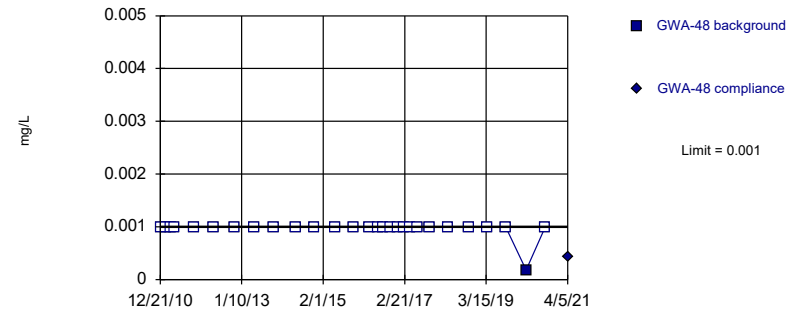


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Non-parametric

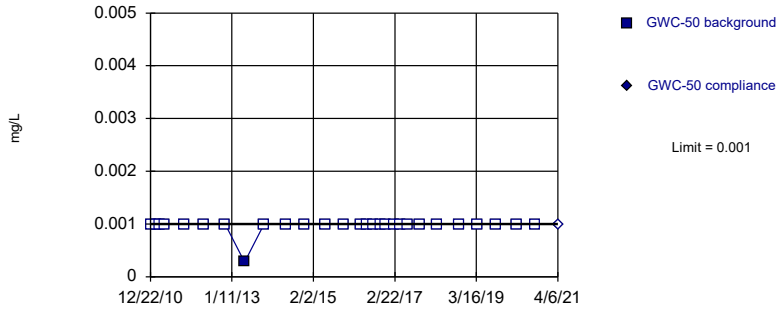


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

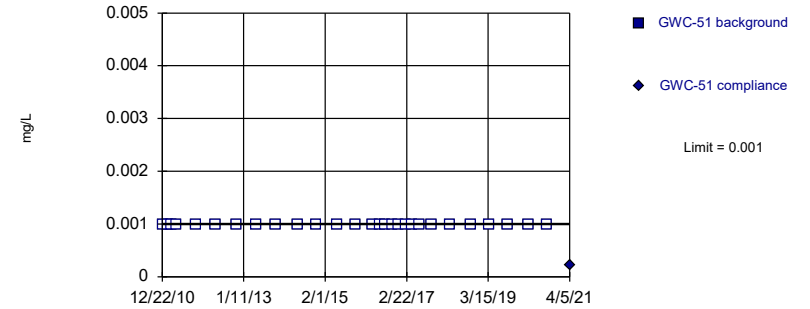


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

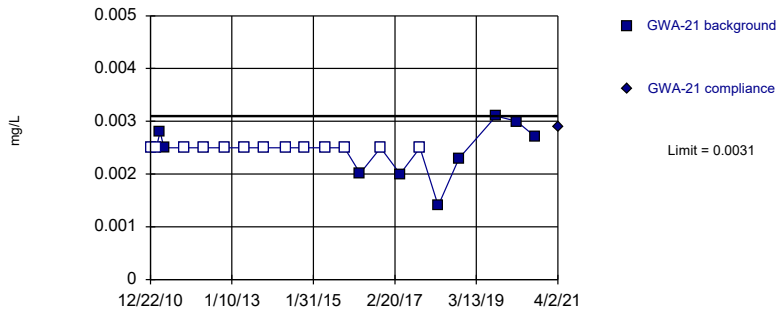


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 28) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

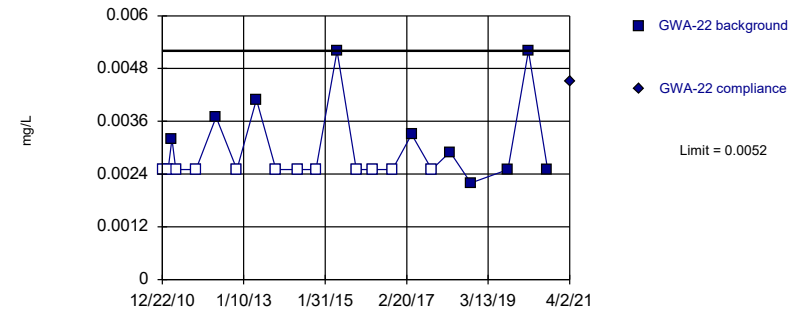


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

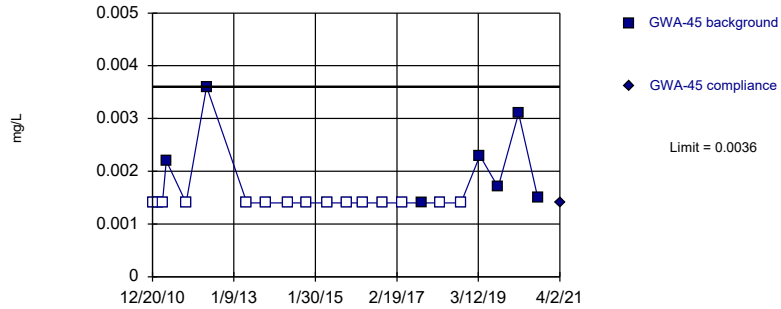


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

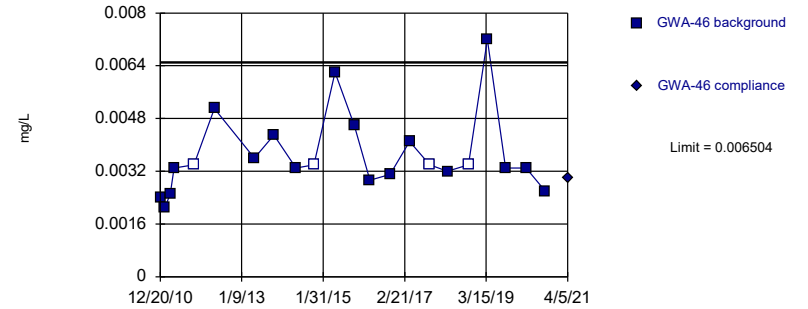


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

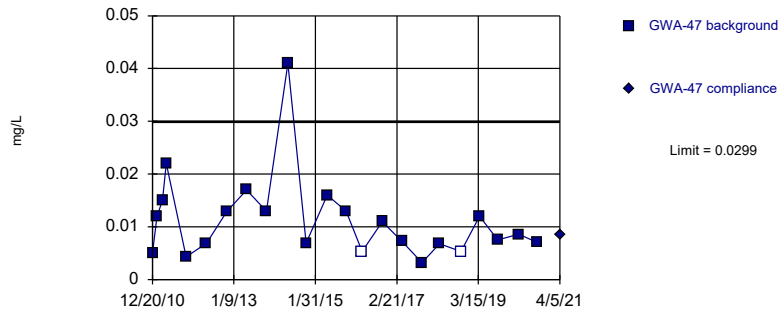


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05801, Std. Dev.=0.01008, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8906, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

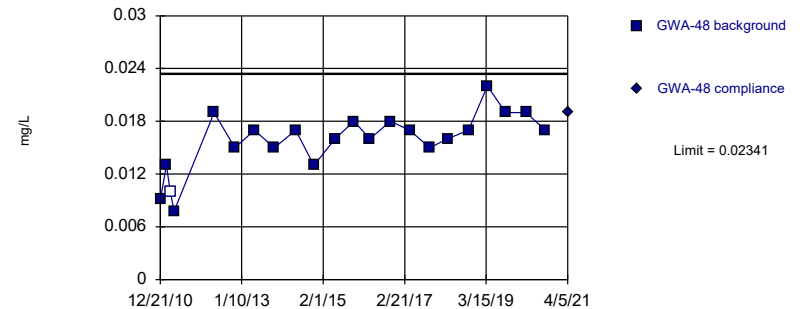


Background Data Summary (based on square root transformation): Mean=0.1014, Std. Dev.=0.03211, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8922, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

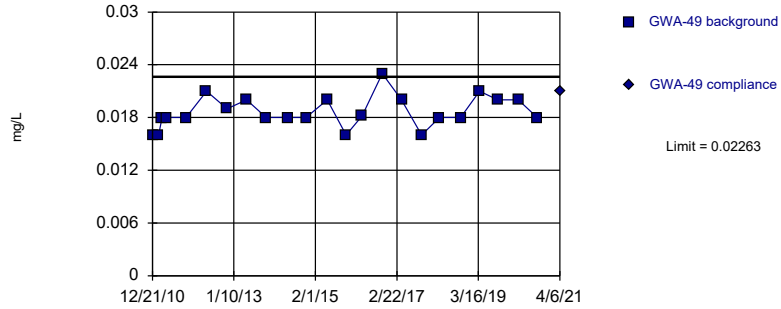


Background Data Summary: Mean=0.01572, Std. Dev.=0.003424, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9221, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

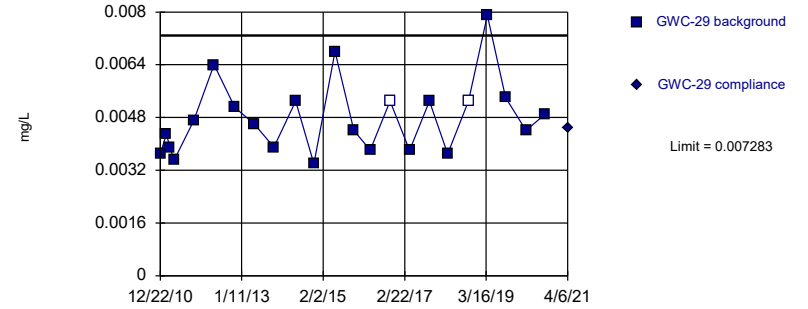


Background Data Summary: Mean=0.01862, Std. Dev.=0.0018, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

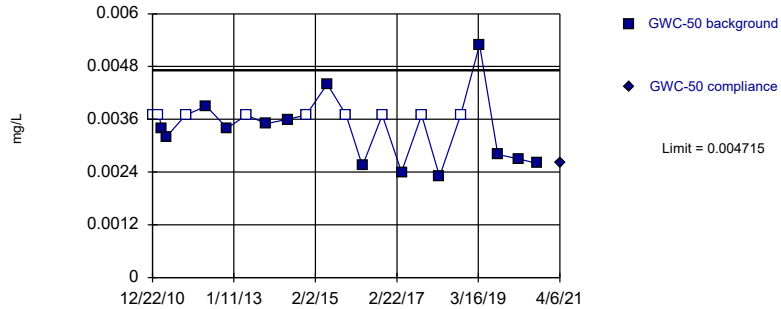


Background Data Summary: Mean=0.004774, Std. Dev.=0.001126, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

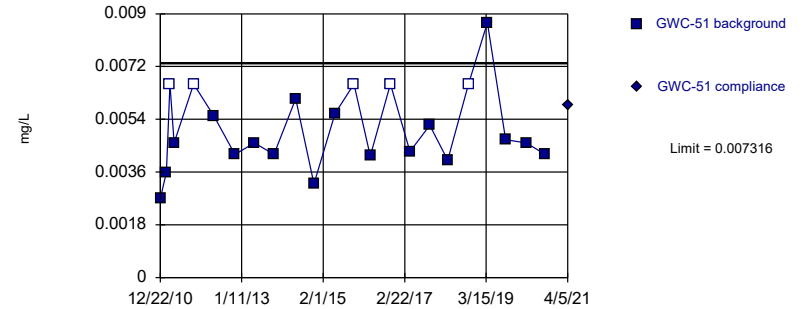


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003096, Std. Dev.=0.0007265, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

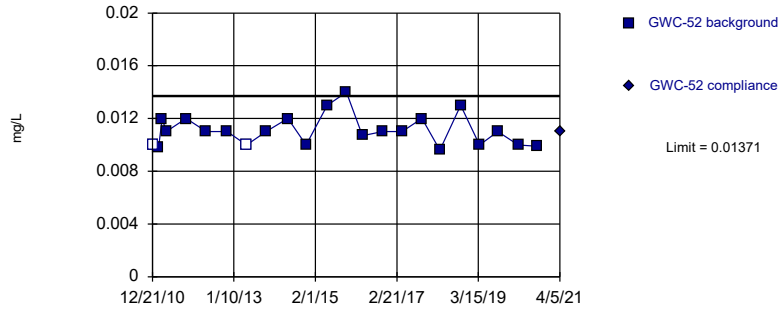


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004446, Std. Dev.=0.001288, n=23, 21.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.939, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:21 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

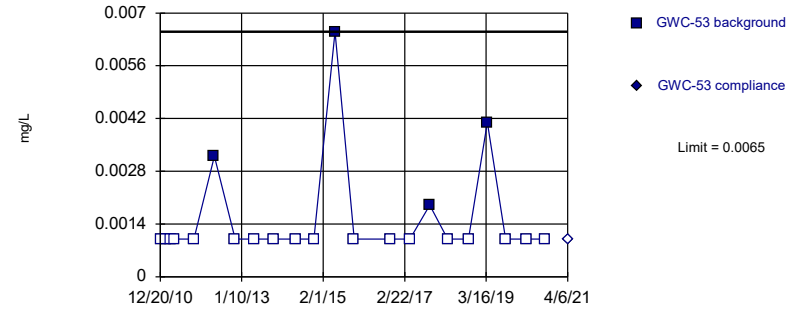


Background Data Summary: Mean=0.01109, Std. Dev.=0.001178, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.228 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

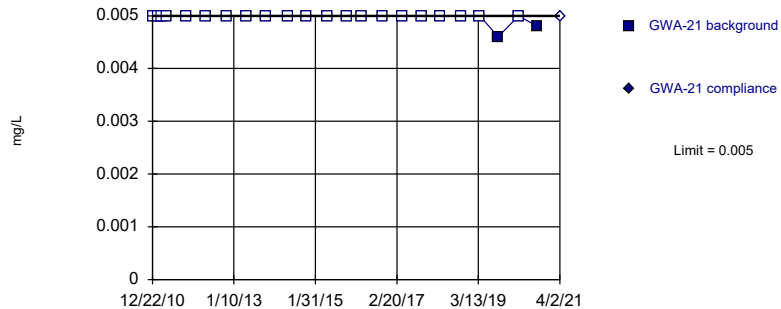


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

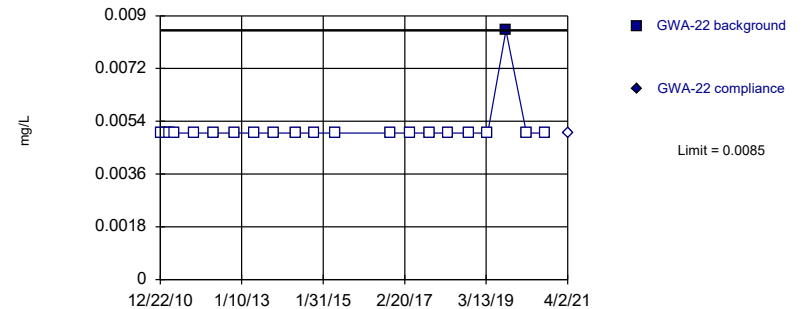


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

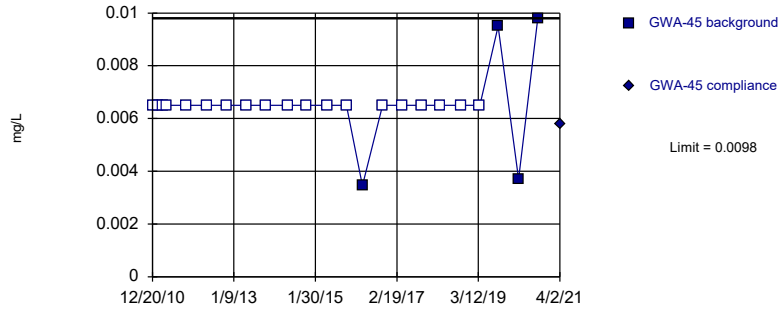


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

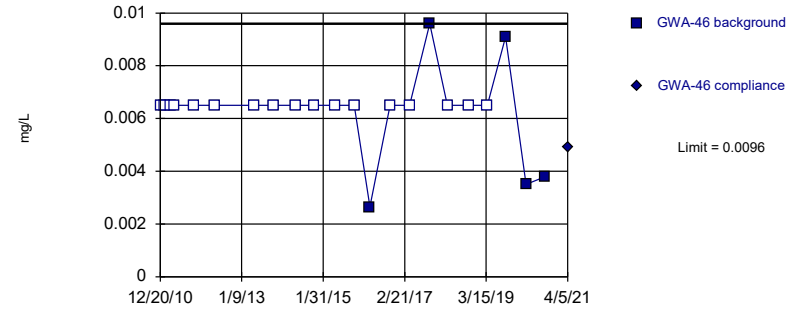


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

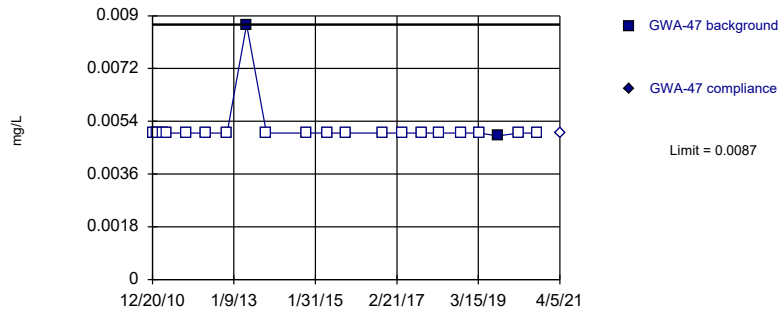


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

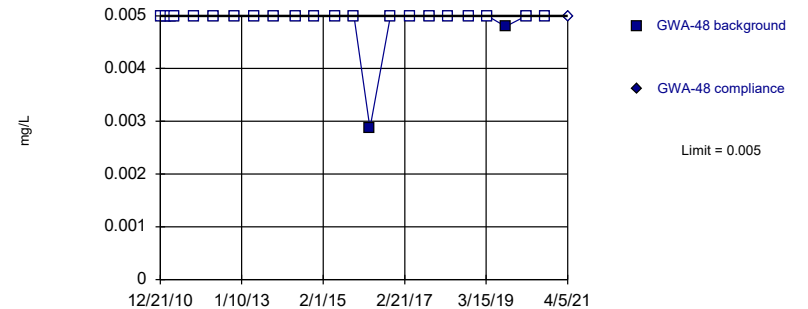


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

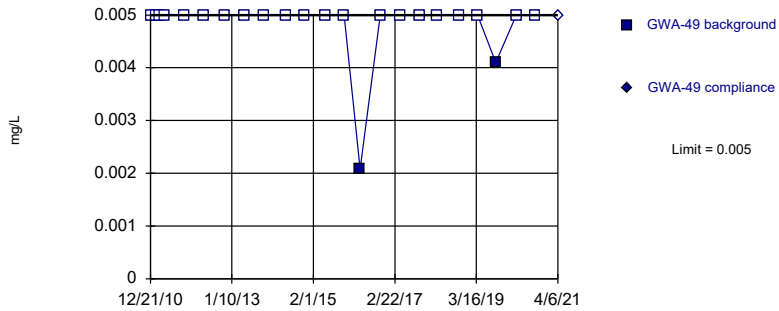


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

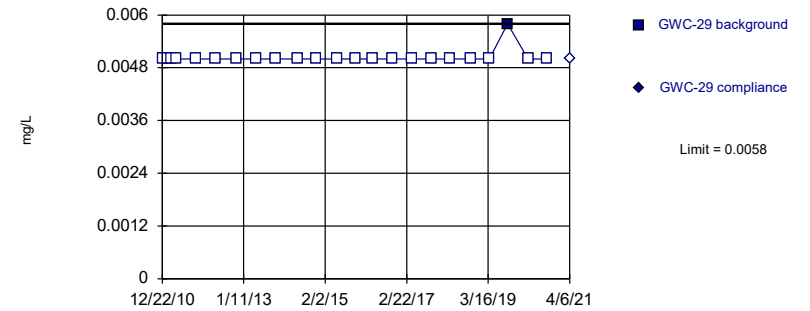


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

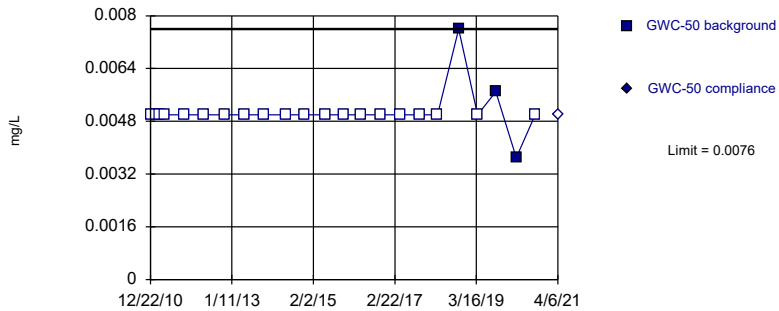


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

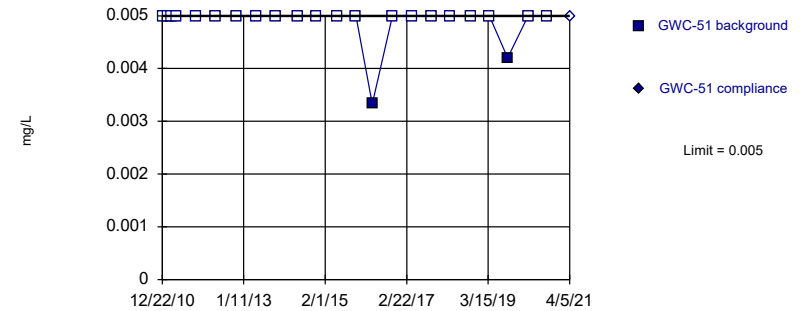


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

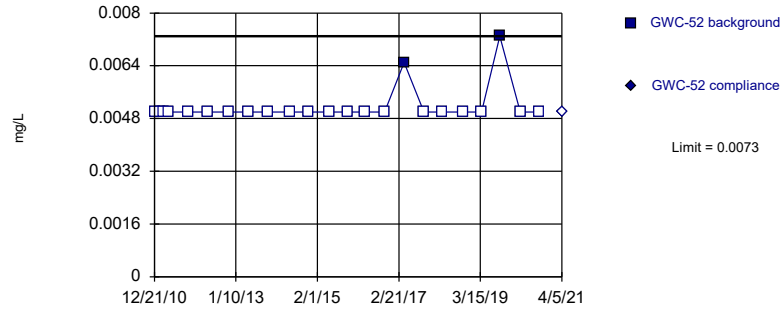


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

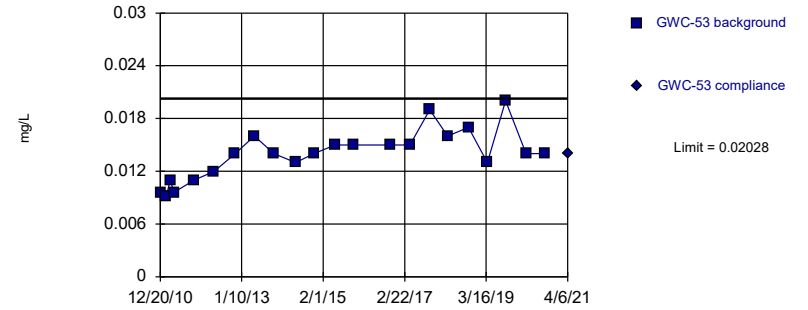


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary: Mean=0.01392, Std. Dev.=0.002833, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.958, critical = 0.878. Kappa = 2.244 (c=14, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.0007523.

Constituent: Zinc, Total Analysis Run 6/23/2021 4:22 PM View: Appendix I
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	0.0015	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/2/2021		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00031 (J)

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	0.00053	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/10/2017	0.0013	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	0.00052	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Arsenic, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
6/16/2016	<0.001	
8/11/2016	<0.001	
10/13/2016	<0.001	
12/6/2016	<0.001	
2/13/2017	0.0011	
4/11/2017	<0.001	
6/24/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	0.026 (J)	
2/14/2011	0.022 (J)	
3/22/2011	0.02 (J)	
4/26/2011	0.019 (J)	
10/27/2011	0.021	
5/1/2012	0.017	
11/8/2012	0.023	
5/7/2013	0.021	
11/4/2013	0.018	
5/24/2014	0.022	
11/8/2014	0.02	
5/21/2015	0.022	
11/13/2015	0.025	
4/6/2016	0.0239	
6/14/2016	0.021	
8/10/2016	0.019	
10/11/2016	0.02	
12/2/2016	0.022	
2/10/2017	0.03	
4/10/2017	0.025	
6/23/2017	0.026	
10/9/2017	0.025	
3/26/2018	0.026	
10/3/2018	0.00049 (O)	
3/27/2019	0.024	
9/12/2019	0.025	
3/19/2020	0.027	
9/10/2020	0.023	
4/2/2021		0.02

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.028 (J)	
2/14/2011	0.025 (J)	
3/22/2011	0.029 (J)	
4/26/2011	0.031 (J)	
10/27/2011	0.027	
5/1/2012	0.022	
11/8/2012	0.024	
5/7/2013	0.027	
11/4/2013	0.024	
5/24/2014	0.025	
11/8/2014	0.023	
5/21/2015	0.023	
11/13/2015	0.023	
4/8/2016	0.0244	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.022	
12/5/2016	0.025	
2/10/2017	0.026	
4/7/2017	0.021	
6/26/2017	0.028	
10/9/2017	0.021	
3/26/2018	0.022 (D)	
10/3/2018	0.022	
3/27/2019	0.022	
9/12/2019	0.023	
3/19/2020	0.024	
9/10/2020	0.022	
4/2/2021		0.023

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.024 (J)	
2/14/2011	0.023 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.019 (J)	
10/26/2011	0.023	
5/1/2012	0.014	
11/8/2012	0.034	
5/8/2013	0.016	
11/4/2013	0.014	
5/24/2014	0.027	
11/7/2014	0.03	
5/20/2015	0.029	
11/13/2015	0.041	
4/7/2016	0.0381	
6/14/2016	0.034	
8/9/2016	0.032	
10/10/2016	0.037	
12/2/2016	0.038	
2/9/2017	0.048	
4/7/2017	0.045	
6/22/2017	0.049	
10/10/2017	0.044	
3/22/2018	0.0495 (D)	
10/3/2018	0.042	
3/27/2019		0.057
9/12/2019		0.1 (L)
12/2/2019		0.11 (R,L)
3/19/2020		0.11 (L)
9/11/2020		0.15 (L)
4/2/2021		0.11 (L)

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.019 (J)	
2/1/2011	0.017 (J)	
3/21/2011	0.019 (J)	
4/26/2011	0.02 (J)	
10/27/2011	0.018	
5/2/2012	0.017	
11/8/2012	0.048 (O)	
5/7/2013	0.02	
11/4/2013	0.019	
5/24/2014	0.019	
11/7/2014	0.019	
5/20/2015	0.018	
11/13/2015	0.02	
4/7/2016	0.0207	
6/14/2016	0.019	
8/9/2016	0.017	
10/10/2016	0.02	
12/2/2016	0.02	
2/10/2017	0.018	
4/7/2017	0.02	
6/23/2017	0.021	
10/10/2017	0.018	
3/23/2018	0.02	
10/4/2018	0.019	
3/27/2019	0.021	
9/12/2019	0.022	
3/19/2020	0.023	
9/11/2020	0.022	
4/5/2021		0.022

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.029 (J)	
2/1/2011	0.038 (J)	
3/23/2011	0.045 (J)	
4/27/2011	0.043 (J)	
10/26/2011	0.023	
5/1/2012	0.021	
11/8/2012	0.038	
5/7/2013	0.042	
11/5/2013	0.039	
5/23/2014	0.088 (O)	
11/7/2014	0.027	
5/21/2015	0.036	
11/12/2015	0.038	
4/8/2016	0.0261	
6/14/2016	0.023	
8/9/2016	0.026	
10/11/2016	0.03	
12/5/2016	0.026	
2/10/2017	0.023	
4/7/2017	0.024	
6/22/2017	0.025	
10/10/2017	0.022	
3/22/2018	0.024	
10/5/2018	0.026	
3/27/2019	0.026	
9/12/2019	0.028	
3/20/2020	0.029	
9/11/2020	0.026	
4/5/2021		0.028

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.055 (O)	
2/14/2011	0.05 (O)	
3/23/2011	0.031 (J)	
4/27/2011	0.015 (J)	
10/25/2011	0.02	
5/1/2012	0.017	
11/8/2012	0.012	
5/7/2013	0.022	
11/5/2013	0.012	
5/23/2014	0.02	
11/7/2014	0.012	
5/21/2015	0.011	
11/12/2015	0.012	
4/7/2016	0.0116	
6/17/2016	0.012	
8/10/2016	0.012	
10/14/2016	0.016	
12/19/2016	0.012	
2/13/2017	0.017	
4/7/2017	0.011	
6/22/2017	0.014	
10/10/2017	0.012	
3/23/2018	0.012	
10/3/2018	0.012	
3/27/2019	0.013	
9/12/2019	0.016	
3/19/2020	0.02	
9/11/2020	0.013	
4/5/2021		0.015

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.021 (J)	
2/14/2011	0.021 (J)	
3/21/2011	0.021 (J)	
4/26/2011	0.021 (J)	
10/26/2011	0.019	
5/2/2012	0.018	
11/8/2012	0.018	
5/8/2013	0.017	
11/5/2013	0.019	
5/23/2014	0.021	
11/7/2014	0.019	
5/21/2015	0.02	
11/12/2015	0.019	
4/7/2016	0.0201	
6/14/2016	0.017	
8/9/2016	0.017	
10/11/2016	0.02	
12/2/2016	0.02	
2/9/2017	0.018	
4/7/2017	0.018	
6/22/2017	0.02	
10/10/2017	0.02	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.019	
9/12/2019	0.022	
3/19/2020	0.02	
9/10/2020	0.02	
4/6/2021		0.02

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.016 (J)	
2/15/2011	0.016 (J)	
3/22/2011	0.014 (J)	
4/27/2011	0.016 (J)	
10/26/2011	0.015	
5/2/2012	0.012	
11/8/2012	0.015	
5/8/2013	0.014	
11/4/2013	0.016	
5/24/2014	0.015	
11/7/2014	0.016	
5/22/2015	0.015	
11/13/2015	0.016	
4/11/2016	0.0167	
6/15/2016	0.015	
8/10/2016	0.015	
10/11/2016	0.017	
12/5/2016	0.017	
2/13/2017	0.016	
4/10/2017	0.015	
6/23/2017	0.017	
10/10/2017	0.016	
3/26/2018	0.015	
10/4/2018	0.018	
3/28/2019	0.017	
9/12/2019	0.019	
3/19/2020	0.019	
9/10/2020	0.02	
4/6/2021		0.018

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.013	
5/2/2012	0.0084 (J)	
11/8/2012	0.012	
5/8/2013	0.013	
11/4/2013	0.012	
5/24/2014	0.012	
11/8/2014	0.01	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.0132	
6/15/2016	0.011	
8/10/2016	0.012	
10/11/2016	0.012	
12/2/2016	0.012	
2/13/2017	0.013	
4/7/2017	0.01	
6/22/2017	0.012	
10/10/2017	0.011	
3/23/2018	0.011	
10/4/2018	0.012	
3/28/2019	0.012	
9/12/2019	0.013	
3/19/2020	0.013	
9/10/2020	0.013	
4/6/2021		0.013

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.011 (J)	
2/15/2011	0.013 (J)	
3/22/2011	0.01 (J)	
4/27/2011	0.011 (J)	
10/26/2011	0.0099 (J)	
5/2/2012	0.0085 (J)	
11/8/2012	<0.01	
5/8/2013	0.0094 (J)	
11/4/2013	0.0094 (J)	
5/24/2014	0.0094 (J)	
11/7/2014	0.0094 (J)	
5/22/2015	0.0092 (J)	
11/13/2015	0.0095 (J)	
4/11/2016	0.0105	
6/16/2016	0.0089 (J)	
8/10/2016	0.0082	
10/13/2016	0.0088	
12/5/2016	0.01	
2/13/2017	0.0097	
4/10/2017	0.0082	
6/23/2017	0.01	
10/11/2017	0.0092	
3/26/2018	0.0094	
10/4/2018	0.0093	
3/27/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.011	
9/11/2020	0.01	
4/5/2021		0.01

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01 (J)	
2/15/2011	0.0086 (J)	
3/21/2011	0.009 (J)	
4/28/2011	0.012 (J)	
10/26/2011	0.0093 (J)	
5/1/2012	0.0048 (J)	
11/9/2012	0.0091 (J)	
5/8/2013	0.0096 (J)	
11/4/2013	0.012	
5/24/2014	0.011	
11/7/2014	0.011	
5/22/2015	0.011	
11/13/2015	0.011	
4/11/2016	0.012	
6/16/2016	0.011	
8/11/2016	0.012	
10/13/2016	0.012	
12/5/2016	0.013	
2/13/2017	0.012	
4/11/2017	0.012	
6/24/2017	0.013	
10/11/2017	0.012	
3/26/2018	0.013	
10/4/2018	0.013	
3/28/2019	0.014	
9/12/2019	0.017	
3/19/2020	0.018	
9/11/2020	0.017	
4/5/2021		0.019

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.11	
2/14/2011	<0.1	
3/21/2011	<0.1	
4/27/2011	0.091 (J)	
10/26/2011	0.1	
5/1/2012	0.095	
11/9/2012	0.093	
5/8/2013	0.077	
11/4/2013	0.083	
5/24/2014	0.07	
11/7/2014	0.065	
5/20/2015	0.058	
11/13/2015	0.058	
4/8/2016	0.0619	
6/16/2016	0.052	
8/11/2016	0.044	
10/13/2016	0.049	
12/6/2016	0.047	
2/13/2017	0.05	
4/11/2017	0.053	
6/24/2017	0.054	
10/11/2017	0.05	
3/26/2018	0.05	
10/4/2018	0.042	
3/28/2019	0.045	
9/12/2019	0.043	
3/19/2020	0.047	
9/11/2020	0.044	
4/6/2021		0.041

Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/26/2017	<0.0025	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/2/2021		0.00019 (J)

Prediction Limit

Constituent: Beryllium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	2E-05 (J)	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	0.0016	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		<0.0025

Prediction Limit

Constituent: Cadmium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/15/2016	7.4E-05 (J)	
8/10/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/28/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	<0.0025	
4/6/2021		<0.0025

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	0.0052	
2/14/2011	0.0057	
3/22/2011	0.0055	
4/26/2011	0.0069	
10/27/2011	0.011	
5/1/2012	0.0056	
11/8/2012	<0.01	
5/7/2013	0.0036 (J)	
11/4/2013	0.0032 (J)	
5/24/2014	0.0043 (J)	
11/8/2014	<0.01	
5/21/2015	0.002 (J)	
11/13/2015	<0.01	
4/6/2016	0.00278 (J)	
6/14/2016	<0.01	
8/10/2016	0.0019 (J)	
10/11/2016	0.0024 (J)	
12/2/2016	0.0023 (J)	
2/10/2017	0.0021 (J)	
4/10/2017	0.002 (J)	
6/23/2017	0.0018 (J)	
10/9/2017	0.0016 (J)	
3/26/2018	0.0011 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	0.003	
9/12/2019	0.0047	
3/19/2020	0.0026	
9/10/2020	0.0019 (J)	
4/2/2021		0.0029

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.0029 (J)	
2/14/2011	0.0027 (J)	
3/22/2011	0.0049 (J)	
4/26/2011	0.0048 (J)	
10/27/2011	0.0023 (J)	
5/1/2012	0.0051	
11/8/2012	0.0034 (J)	
5/7/2013	0.0078	
11/4/2013	0.0055 (J)	
5/24/2014	0.0075 (J)	
11/8/2014	0.0048 (J)	
5/21/2015	0.0082 (J)	
11/13/2015	0.0079 (J)	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.0079	
10/11/2016	0.0069	
12/5/2016	0.0077	
2/10/2017	0.0098	
4/7/2017	0.0081	
6/26/2017	0.0084	
10/9/2017	0.0082	
3/26/2018	0.0088	
10/3/2018	0.0086	
3/27/2019	0.0078	
9/12/2019	0.0092	
3/19/2020	0.011	
9/10/2020	0.0077	
4/2/2021		0.01

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.0036 (J)	
2/1/2011	0.0037 (J)	
3/21/2011	0.004 (J)	
4/26/2011	0.0037 (J)	
10/27/2011	0.0047 (J)	
5/2/2012	0.005 (J)	
11/8/2012	0.0081	
5/7/2013	0.0035 (J)	
11/4/2013	0.0056 (J)	
5/24/2014	0.005 (J)	
11/7/2014	0.004 (J)	
5/20/2015	0.0062 (J)	
11/13/2015	0.0067 (J)	
4/7/2016	0.00467 (J)	
6/14/2016	<0.01	
8/9/2016	0.0041	
10/10/2016	0.0041	
12/2/2016	0.0039	
2/10/2017	0.0044	
4/7/2017	0.0046	
6/23/2017	0.005	
10/10/2017	0.0088	
3/23/2018	0.0045	
10/4/2018	0.0047	
3/27/2019	0.0048	
9/12/2019	0.0051	
3/19/2020	0.0043	
9/11/2020	0.0042	
4/5/2021		0.0041

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0064	
2/1/2011	0.015	
3/23/2011	0.0084	
4/27/2011	0.011	
10/26/2011	0.0061	
5/1/2012	0.0072	
11/8/2012	0.015	
5/7/2013	0.044	
11/5/2013	0.023	
5/23/2014	0.022	
11/7/2014	0.013	
5/21/2015	0.029	
11/12/2015	0.045	
4/8/2016	<0.01	
6/14/2016	<0.01	
8/9/2016	0.008	
10/11/2016	0.0079	
12/5/2016	0.0057	
2/10/2017	0.0062	
4/7/2017	0.0072	
6/22/2017	0.0074	
10/10/2017	0.0072	
3/22/2018	0.0074	
10/5/2018	0.0083	
3/27/2019	0.0081	
9/12/2019	0.0088	
3/20/2020	0.0085	
9/11/2020	0.0081	
4/5/2021		0.0084

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0094	
2/14/2011	0.028	
3/23/2011	0.0042 (J)	
4/27/2011	<0.01	
10/25/2011	0.0062	
5/1/2012	0.011	
11/8/2012	0.0089	
5/7/2013	0.019	
11/5/2013	0.0057 (J)	
5/23/2014	0.0084 (J)	
11/7/2014	0.011	
5/21/2015	0.013	
11/12/2015	0.015	
4/7/2016	0.00498 (J)	
6/17/2016	<0.01	
8/10/2016	0.0047	
10/14/2016	0.0056	
12/19/2016	0.0039	
2/13/2017	0.0059	
4/7/2017	0.0051	
6/22/2017	0.005	
10/10/2017	0.005	
3/23/2018	0.005	
10/3/2018	0.0051	
3/27/2019	0.0051	
9/12/2019	0.0085	
3/19/2020	0.0063	
9/11/2020	0.0053	
4/5/2021		0.0061

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.0073	
2/14/2011	0.0051	
3/21/2011	0.0067	
4/26/2011	0.0065	
10/26/2011	0.0068	
5/2/2012	0.011	
11/8/2012	0.0052	
5/8/2013	0.0059	
11/5/2013	0.0044 (J)	
5/23/2014	0.0087 (J)	
11/7/2014	0.0048 (J)	
5/21/2015	0.006 (J)	
11/12/2015	0.007 (J)	
4/7/2016	0.0056 (J)	
6/14/2016	<0.01	
8/9/2016	0.0053	
10/11/2016	0.0058	
12/2/2016	0.0071	
2/9/2017	0.0051	
4/7/2017	0.006	
6/22/2017	0.0056	
10/10/2017	0.0073	
3/22/2018	0.0051	
10/3/2018	0.0052	
3/27/2019	0.0056	
9/12/2019	0.0075	
3/19/2020	0.0055	
9/10/2020	0.0063	
4/6/2021		0.0055

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.0026 (J)	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0027 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/22/2015	0.0034 (J)	
11/13/2015	0.0038 (J)	
4/11/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	0.0014 (J)	
10/11/2016	0.0017 (J)	
12/5/2016	0.0014 (J)	
2/13/2017	0.0016 (J)	
4/10/2017	0.0014 (J)	
6/23/2017	0.0014 (J)	
10/10/2017	0.0039	
3/26/2018	0.0013 (J)	
10/4/2018	0.0014 (J)	
3/28/2019	0.0012 (J)	
9/12/2019	0.0021 (J)	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/6/2021		<0.002

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	0.0034 (J)	
2/15/2011	0.0034 (J)	
3/22/2011	0.0037 (J)	
4/27/2011	0.0038 (J)	
10/26/2011	0.0039 (J)	
5/2/2012	0.0044 (J)	
11/8/2012	0.0026 (J)	
5/8/2013	0.0038 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.0061 (J)	
11/8/2014	<0.01	
5/22/2015	0.0037 (J)	
11/13/2015	0.0055 (J)	
4/11/2016	0.00479 (J)	
6/15/2016	<0.01	
8/10/2016	0.0047	
10/11/2016	0.0048	
12/2/2016	0.0043	
2/13/2017	0.0047	
4/7/2017	0.0044	
6/22/2017	0.0045	
10/10/2017	0.005	
3/23/2018	0.0042	
10/4/2018	0.005	
3/28/2019	0.0043	
9/12/2019	0.006	
3/19/2020	0.0047	
9/10/2020	0.0047	
4/6/2021		0.0044

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.0036 (J)	
2/15/2011	0.0038 (J)	
3/22/2011	0.0022 (J)	
4/27/2011	0.0042 (J)	
10/26/2011	0.0042 (J)	
5/2/2012	0.0037 (J)	
11/8/2012	<0.01	
5/8/2013	0.0032 (J)	
11/4/2013	0.0063 (J)	
5/24/2014	0.003 (J)	
11/7/2014	<0.01	
5/22/2015	0.0023 (J)	
11/13/2015	0.0042 (J)	
4/11/2016	0.00309 (J)	
6/16/2016	<0.01	
8/10/2016	0.0023 (J)	
10/13/2016	0.0028	
12/5/2016	0.0032	
2/13/2017	0.0021 (J)	
4/10/2017	0.0022 (J)	
6/23/2017	0.0025	
10/11/2017	0.0027	
3/26/2018	0.0028	
10/4/2018	0.0041	
3/27/2019	0.0044	
9/12/2019	0.0043	
3/19/2020	0.0032	
9/11/2020	0.0041	
4/5/2021		0.0054

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	0.01	
2/15/2011	0.0087	
3/21/2011	0.0083	
4/28/2011	0.0076	
10/26/2011	0.0078	
5/1/2012	0.0049 (J)	
11/9/2012	0.0066	
5/8/2013	0.0082	
11/4/2013	0.013	
5/24/2014	0.012	
11/7/2014	0.0084 (J)	
5/22/2015	0.0096 (J)	
11/13/2015	0.011	
4/11/2016	0.0101	
6/16/2016	<0.01	
8/11/2016	0.0097	
10/13/2016	0.012	
12/5/2016	0.012	
2/13/2017	0.011	
4/11/2017	0.011	
6/24/2017	0.0095	
10/11/2017	0.0096	
3/26/2018	0.012	
10/4/2018	0.016	
3/28/2019		0.019
9/12/2019		0.027
3/19/2020		0.029
9/11/2020		0.028
4/5/2021		0.031

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.002	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	0.0033 (J)	
5/1/2012	0.0025 (J)	
11/9/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	0.0035 (J)	
5/24/2014	0.0027 (J)	
11/7/2014	<0.002	
5/20/2015	0.0021 (J)	
11/13/2015	0.0041 (J)	
4/8/2016	<0.002	
6/16/2016	<0.002	
8/11/2016	0.0013 (J)	
10/13/2016	0.0018 (J)	
12/6/2016	0.0014 (J)	
2/13/2017	0.0021 (J)	
4/11/2017	0.0012 (J)	
6/24/2017	0.0017 (J)	
10/11/2017	0.0013 (J)	
3/26/2018	0.0014 (J)	
10/4/2018	<0.002	
3/28/2019	<0.002	
9/12/2019	0.002 (J)	
3/19/2020	<0.002	
9/11/2020	0.0023	
4/6/2021		<0.002

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0004	
2/14/2011	<0.0004	
3/22/2011	<0.0004	
4/26/2011	<0.0004	
10/27/2011	<0.0004	
5/1/2012	<0.0004	
11/8/2012	<0.0004	
5/7/2013	<0.0004	
11/4/2013	<0.0004	
5/24/2014	<0.0004	
11/8/2014	<0.0004	
5/21/2015	<0.0004	
11/13/2015	<0.0004	
4/6/2016	<0.0004	
6/14/2016	6.6E-05 (J)	
8/10/2016	<0.0004	
10/11/2016	0.00047 (J)	
12/2/2016	0.0014 (J)	
2/10/2017	0.00052 (J)	
4/10/2017	<0.0004	
6/23/2017	<0.0004	
10/9/2017	0.00053 (J)	
3/26/2018	0.00088 (J)	
10/3/2018	0.0014 (J)	
3/27/2019	<0.0004	
9/12/2019	0.0004 (J)	
3/19/2020	0.00015 (J)	
9/10/2020	0.00019 (J)	
4/2/2021		0.00016 (J)

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.0038 (O)	
2/14/2011	<0.0025	
3/22/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	0.00042 (J)	
8/9/2016	0.00068 (J)	
10/11/2016	<0.0025	
12/5/2016	0.0012 (J)	
2/10/2017	0.0013 (J)	
4/7/2017	<0.0025	
6/26/2017	0.00073 (J)	
10/9/2017	<0.0025	
3/26/2018	<0.0025 (D)	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	<0.0025	
9/10/2020	0.00014 (J)	
4/2/2021		0.00026 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.012	
2/14/2011	0.0093 (J)	
3/21/2011	0.0076 (J)	
4/26/2011	0.0058 (J)	
10/26/2011	0.005 (J)	
5/1/2012	0.0032 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.01	
11/4/2013	<0.01	
5/24/2014	<0.01	
11/7/2014	<0.01	
5/20/2015	<0.01	
11/13/2015	<0.01	
4/7/2016	<0.01	
6/14/2016	0.0031 (J)	
8/9/2016	0.0023 (J)	
10/10/2016	0.0024 (J)	
12/2/2016	0.0021 (J)	
2/9/2017	0.00096 (J)	
4/7/2017	0.0034	
6/22/2017	0.0029	
10/10/2017	0.0025	
3/22/2018	0.0015 (JD)	
10/3/2018	0.0018 (J)	
3/27/2019	0.00083 (J)	
9/12/2019	0.0018 (J)	
3/19/2020	0.0005 (J)	
9/11/2020	0.0035	
4/2/2021		0.002 (J)

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0025	
2/1/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/20/2015	<0.0025	
11/13/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
10/10/2016	<0.0025	
12/2/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/23/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	9.5E-05 (J)	
3/19/2020	0.00025 (J)	
9/11/2020	<0.0025	
4/5/2021		<0.0025

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0033 (O)	
2/1/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	0.0048 (O)	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/8/2016	<0.0025	
6/14/2016	4.2E-05 (J)	
8/9/2016	<0.0025	
10/11/2016	0.00052 (J)	
12/5/2016	<0.0025	
2/10/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/5/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00011 (J)	
3/20/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.00017 (J)

Prediction Limit

Constituent: Cobalt, T Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/23/2011	<0.0025	
4/27/2011	<0.0025	
10/25/2011	<0.0025	
5/1/2012	0.0039 (O)	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/17/2016	0.00017 (J)	
8/10/2016	<0.0025	
10/14/2016	<0.0025	
12/19/2016	<0.0025	
2/13/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/23/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	<0.0025	
3/19/2020	0.00029 (J)	
9/11/2020	<0.0025	
4/5/2021		0.00019 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0025	
2/14/2011	<0.0025	
3/21/2011	<0.0025	
4/26/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/5/2013	<0.0025	
5/23/2014	<0.0025	
11/7/2014	<0.0025	
5/21/2015	<0.0025	
11/12/2015	<0.0025	
4/7/2016	<0.0025	
6/14/2016	<0.0025	
8/9/2016	<0.0025	
10/11/2016	<0.0025	
12/2/2016	0.0004 (J)	
2/9/2017	<0.0025	
4/7/2017	<0.0025	
6/22/2017	<0.0025	
10/10/2017	<0.0025	
3/22/2018	<0.0025	
10/3/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00017 (J)	
3/19/2020	<0.0025	
9/10/2020	0.0002 (J)	
4/6/2021		<0.0025

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
6/16/2016	<0.0025	
8/10/2016	<0.0025	
10/13/2016	<0.0025	
12/5/2016	<0.0025	
2/13/2017	<0.0025	
4/10/2017	<0.0025	
6/23/2017	<0.0025	
10/11/2017	<0.0025	
3/26/2018	<0.0025	
10/4/2018	<0.0025	
3/27/2019	<0.0025	
9/12/2019	0.00012 (J)	
3/19/2020	<0.0025	
9/11/2020	<0.0025	
4/5/2021		0.0002 (J)

Prediction Limit

Constituent: Cobalt, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.0051 (J)	
2/14/2011	0.0038 (J)	
3/21/2011	0.0037 (J)	
4/27/2011	<0.01	
10/26/2011	0.0046 (J)	
5/1/2012	0.0043 (J)	
11/9/2012	0.007 (J)	
5/8/2013	0.0047 (J)	
11/4/2013	0.0096 (J)	
5/24/2014	0.0097 (J)	
11/7/2014	0.012	
5/20/2015	0.011	
11/13/2015	0.013	
4/8/2016	<0.01	
6/16/2016	0.0062 (J)	
8/11/2016	0.0092	
10/13/2016	0.0045	
12/6/2016	0.0043	
2/13/2017	0.011	
4/11/2017	0.012	
6/24/2017	0.011	
10/11/2017	0.016	
3/26/2018	0.0069	
10/4/2018	0.016	
3/28/2019	0.011	
9/12/2019	0.011	
3/19/2020	0.0083	
9/11/2020	0.002 (J)	
4/6/2021		0.0062

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.0028 (O)	
11/13/2015	<0.002	
4/6/2016	<0.002	
10/11/2016	<0.002	
4/10/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	0.0023	
4/2/2021		<0.002

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.002	
2/14/2011	<0.002	
3/22/2011	<0.002	
4/26/2011	<0.002	
10/27/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	<0.002	
5/7/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/8/2014	<0.002	
5/21/2015	0.003 (J)	
11/13/2015	0.078 (O)	
4/8/2016	<0.002	
10/11/2016	<0.002	
4/7/2017	<0.002	
10/9/2017	<0.002	
3/26/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/10/2020	<0.002	
4/2/2021		<0.002

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.0021 (J)	
2/14/2011	<0.002	
3/21/2011	<0.002	
4/26/2011	<0.002	
10/26/2011	<0.002	
5/1/2012	<0.002	
11/8/2012	0.0034 (J)	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	0.002 (J)	
5/20/2015	0.0024 (J)	
11/13/2015	<0.002	
4/7/2016	<0.002	
10/10/2016	<0.002	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002 (D)	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	0.00072 (J)	
9/11/2020	0.002	
4/2/2021		<0.002

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0065 (J)	
2/1/2011	0.018	
3/23/2011	0.022	
4/27/2011	0.02	
10/26/2011	0.0025 (J)	
5/1/2012	0.0022 (J)	
11/8/2012	0.015	
5/7/2013	0.02	
11/5/2013	0.014	
5/23/2014	0.06 (O)	
11/7/2014	0.0032 (J)	
5/21/2015	0.017 (JV)	
11/12/2015	0.01 (J)	
4/8/2016	<0.002	
10/11/2016	0.0051	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/22/2018	<0.002	
10/5/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/20/2020	0.0011 (J)	
9/11/2020	<0.002	
4/5/2021		0.0019 (J)

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0084 (J)	
2/14/2011	0.013 (O)	
3/23/2011	0.0061 (J)	
4/27/2011	<0.002	
10/25/2011	<0.002	
5/1/2012	0.0027 (J)	
11/8/2012	<0.002	
5/7/2013	0.0039 (J)	
11/5/2013	<0.002	
5/23/2014	0.0029 (J)	
11/7/2014	<0.002	
5/21/2015	0.0031 (J)	
11/12/2015	<0.002	
4/7/2016	<0.002	
10/14/2016	0.0024 (J)	
4/7/2017	<0.002	
10/10/2017	<0.002	
3/23/2018	<0.002	
10/3/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	0.00083 (J)	
3/19/2020	0.0022	
9/11/2020	<0.002	
4/5/2021		0.00093 (J)

Prediction Limit

Constituent: Copper, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.002	
2/15/2011	<0.002	
3/22/2011	<0.002	
4/27/2011	<0.002	
10/26/2011	<0.002	
5/2/2012	<0.002	
11/8/2012	<0.002	
5/8/2013	<0.002	
11/4/2013	<0.002	
5/24/2014	<0.002	
11/7/2014	<0.002	
5/22/2015	<0.002	
11/13/2015	<0.002	
4/11/2016	<0.002	
10/13/2016	<0.002	
4/10/2017	<0.002	
10/11/2017	<0.002	
3/26/2018	<0.002	
10/4/2018	<0.002	
3/27/2019	<0.002	
9/12/2019	<0.002	
3/19/2020	<0.002	
9/11/2020	0.0013 (J)	
4/5/2021		<0.002

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	0.0028 (J)	
3/22/2011	0.0021 (J)	
4/26/2011	0.003 (J)	
10/27/2011	0.0028 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0044 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	0.0032 (J)	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	0.0022	
4/2/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	0.0025 (J)	
10/27/2011	0.0033 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0048 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.0021 (J)	
5/21/2015	0.002 (J)	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00018 (J)

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.001	
2/14/2011	0.0024 (J)	
3/21/2011	<0.001	
4/26/2011	0.0027 (J)	
10/26/2011	0.0026 (J)	
5/1/2012	<0.001	
11/8/2012	0.0023 (J)	
5/8/2013	0.0026 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.005 (J)	
11/13/2015	0.0031 (J)	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00019 (J)	
9/11/2020	0.0016	
4/2/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0027 (J)	
3/23/2011	0.0041 (J)	
4/27/2011	0.0054	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0022 (J)	
5/7/2013	0.0062	
11/5/2013	<0.001	
5/23/2014	0.0026 (J)	
11/7/2014	0.0022 (J)	
5/21/2015	0.0049 (J)	
11/12/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	0.00096 (J)	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	0.0029 (J)	
3/23/2011	0.0028 (J)	
4/27/2011	0.0038 (J)	
10/25/2011	0.0043 (J)	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	0.0064	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	0.0026 (J)	
5/21/2015	0.0038 (J)	
11/12/2015	0.0021 (J)	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0002 (J)	
9/11/2020	<0.001	
4/5/2021		<0.001

Prediction Limit

Constituent: Lead, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	0.0032 (J)	
3/22/2011	0.0024 (J)	
4/27/2011	0.0033 (J)	
10/26/2011	0.0023 (J)	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.0035 (J)	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	0.0035 (J)	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	0.00041 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	0.0015	
4/5/2021		<0.001

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/6/2016	<0.0002	
6/14/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (X)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0002	
2/14/2011	<0.0002	
3/22/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/21/2015	<0.0002	
11/13/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/26/2017	<0.0002	
10/9/2017	8.7E-05 (J)	
3/26/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/2/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/22/2018	<0.0002 (D)	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/2/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/27/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	0.00011 (J)	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/20/2015	<0.0002	
11/13/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/10/2016	<0.0002	
12/2/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/23/2018	<0.0002	
10/4/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.0002	
2/1/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.1E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/8/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/10/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/22/2018	<0.0002	
10/5/2018	<0.0002	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/20/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/23/2011	<0.0002	
4/27/2011	<0.0002	
10/25/2011	<0.0002	
5/1/2012	<0.0002	
11/8/2012	<0.0002	
5/7/2013	8.4E-05 (J)	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/17/2016	<0.0002	
8/10/2016	<0.0002	
10/14/2016	<0.0002	
12/19/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	9.2E-05 (J)	
3/23/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.0002	
2/14/2011	<0.0002	
3/21/2011	<0.0002	
4/26/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/5/2013	<0.0002	
5/23/2014	<0.0002	
11/7/2014	<0.0002	
5/21/2015	<0.0002	
11/12/2015	<0.0002	
4/7/2016	<0.0002	
6/14/2016	<0.0002	
8/9/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/9/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.8E-05 (J)	
3/22/2018	<0.0002	
10/3/2018	<0.0002 (X)	
3/27/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/10/2017	<0.0002	
6/23/2017	<0.0002	
10/10/2017	9.1E-05 (J)	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0002	
2/15/2011	<0.0002	
3/22/2011	<0.0002	
4/27/2011	<0.0002	
10/26/2011	<0.0002	
5/2/2012	<0.0002	
11/8/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/8/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/15/2016	<0.0002	
8/10/2016	<0.0002	
10/11/2016	<0.0002	
12/2/2016	<0.0002	
2/13/2017	<0.0002	
4/7/2017	<0.0002	
6/22/2017	<0.0002	
10/10/2017	8.9E-05 (J)	
3/23/2018	<0.0002 (X)	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/10/2020	<0.0002	
4/6/2021		<0.0002

Prediction Limit

Constituent: Mercury, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.0002	
2/15/2011	<0.0002	
3/21/2011	<0.0002	
4/28/2011	<0.0002	
10/26/2011	8.2E-05	
5/1/2012	<0.0002	
11/9/2012	<0.0002	
5/8/2013	<0.0002	
11/4/2013	<0.0002	
5/24/2014	<0.0002	
11/7/2014	<0.0002	
5/22/2015	<0.0002	
11/13/2015	<0.0002	
4/11/2016	<0.0002	
6/16/2016	<0.0002	
8/11/2016	<0.0002	
10/13/2016	<0.0002	
12/5/2016	<0.0002	
2/13/2017	<0.0002	
4/11/2017	<0.0002	
6/24/2017	<0.0002	
10/11/2017	<0.0002	
3/26/2018	<0.0002	
10/4/2018	<0.0002	
3/28/2019	<0.0002	
9/12/2019	<0.0002	
3/19/2020	<0.0002	
9/11/2020	<0.0002	
4/5/2021		<0.0002

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0018	
2/14/2011	<0.0018	
3/22/2011	<0.0018	
4/26/2011	<0.0018	
10/27/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/7/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/21/2015	<0.0018	
11/13/2015	<0.0018	
4/6/2016	<0.0018	
10/11/2016	<0.0018	
4/10/2017	<0.0018	
10/9/2017	0.0024 (O)	
3/26/2018	<0.0018	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00097 (J)	
3/19/2020	0.00037 (J)	
9/10/2020	0.00095 (J)	
4/2/2021		0.00046 (J)

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	0.003 (O)	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00049 (J)

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0018	
2/14/2011	<0.0018	
3/21/2011	<0.0018	
4/26/2011	<0.0018	
10/26/2011	<0.0018	
5/1/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/7/2014	<0.0018	
5/20/2015	<0.0018	
11/13/2015	<0.0018	
4/7/2016	<0.0018	
10/10/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/22/2018	<0.0018 (D)	
10/3/2018	<0.0018	
3/27/2019	<0.0018	
9/12/2019	0.00061 (J)	
3/19/2020	0.00074 (J)	
9/11/2020	0.001	
4/2/2021		0.00077 (J)

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.001	
2/1/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	0.0035 (O)	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
10/10/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.0004 (J)	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.001	
2/1/2011	0.0072	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	0.0066	
5/7/2013	0.022	
11/5/2013	0.0093	
5/23/2014	0.0045 (J)	
11/7/2014	0.0049 (J)	
5/21/2015	0.012	
11/12/2015	0.019	
4/8/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/5/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/20/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		<0.001

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0052	
2/14/2011	0.016	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	0.0035 (J)	
11/8/2012	0.0046 (J)	
5/7/2013	0.0087	
11/5/2013	0.0036 (J)	
5/23/2014	<0.001	
11/7/2014	0.0064	
5/21/2015	0.0045 (J)	
11/12/2015	0.0036 (J)	
4/7/2016	<0.001	
10/14/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.0004 (J)	
9/11/2020	<0.001	
4/5/2021		0.00034 (J)

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
10/11/2016	<0.001	
4/7/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	0.00043 (J)	
3/19/2020	<0.001	
9/10/2020	0.00062 (J)	
4/6/2021		<0.001

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.0047	
2/15/2011	<0.0047	
3/22/2011	<0.0047	
4/27/2011	<0.0047	
10/26/2011	<0.0047	
5/2/2012	<0.0047	
11/8/2012	<0.0047	
5/8/2013	<0.0047	
11/4/2013	<0.0047	
5/24/2014	<0.0047	
11/7/2014	<0.0047	
5/22/2015	0.0032 (J)	
11/13/2015	<0.0047	
4/11/2016	0.00388 (J)	
10/11/2016	<0.0047	
4/10/2017	0.0042	
10/10/2017	0.0037	
3/26/2018	0.0037	
10/4/2018	0.0037	
3/28/2019	0.0038	
9/12/2019	0.0035	
3/19/2020	0.0039	
9/10/2020	0.0035	
4/6/2021		0.0042

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0018	
2/15/2011	<0.0018	
3/22/2011	<0.0018	
4/27/2011	<0.0018	
10/26/2011	<0.0018	
5/2/2012	<0.0018	
11/8/2012	<0.0018	
5/8/2013	<0.0018	
11/4/2013	<0.0018	
5/24/2014	<0.0018	
11/8/2014	<0.0018	
5/22/2015	<0.0018	
11/13/2015	<0.0018	
4/11/2016	<0.0018	
10/11/2016	<0.0018	
4/7/2017	<0.0018	
10/10/2017	<0.0018	
3/23/2018	<0.0018	
10/4/2018	<0.0018	
3/28/2019	<0.0018	
9/12/2019	0.0012	
3/19/2020	0.0015	
9/10/2020	0.0017	
4/6/2021		0.0019

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.0025	
2/15/2011	<0.0025	
3/22/2011	<0.0025	
4/27/2011	<0.0025	
10/26/2011	<0.0025	
5/2/2012	<0.0025	
11/8/2012	<0.0025	
5/8/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/7/2014	<0.0025	
5/22/2015	<0.0025	
11/13/2015	<0.0025	
4/11/2016	<0.0025	
10/13/2016	<0.0025	
4/10/2017	<0.0025	
10/11/2017	0.0018 (J)	
3/26/2018	0.0021 (J)	
10/4/2018	0.0024 (J)	
3/27/2019	0.0024 (J)	
9/12/2019	0.0019	
3/19/2020	0.0021	
9/11/2020	0.002	
4/5/2021		0.002

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.006	
2/14/2011	0.0067	
3/21/2011	0.0066	
4/27/2011	0.0077	
10/26/2011	0.0063	
5/1/2012	0.0068	
11/9/2012	0.0067	
5/8/2013	0.0066	
11/4/2013	0.0072	
5/24/2014	0.0053	
11/7/2014	0.0052	
5/20/2015	0.0067	
11/13/2015	0.0063	
4/8/2016	<0.0073	
10/13/2016	<0.0073	
4/11/2017	0.0075	
10/11/2017	0.0072	
3/26/2018	0.0075	
10/4/2018	0.0073	
3/28/2019	0.0069	
9/12/2019	0.007	
3/19/2020	0.007	
9/11/2020	0.0074	
4/6/2021		0.0072

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	0.0048	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	0.0041	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	0.0032	
4/7/2017	<0.005	
6/26/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0048	
11/4/2013	<0.005	
5/24/2014	0.0042	
11/7/2014	<0.005	
5/20/2015	0.0093 (O)	
11/13/2015	0.0061 (O)	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/10/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	0.00033 (J)	
3/22/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/2/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	0.0064 (O)	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/8/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/10/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	0.0021	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0046	
11/5/2013	0.0047	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0077 (O)	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/17/2016	<0.005	
8/10/2016	<0.005	
10/14/2016	<0.005	
12/19/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	<0.005	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	0.0041	
11/12/2015	<0.005	
4/7/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/9/2017	<0.005	
4/7/2017	0.00092 (J)	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	0.0044	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/10/2017	<0.005	
6/23/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.00032 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	0.0042	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
10/11/2016	<0.005	
12/2/2016	<0.005	
2/13/2017	<0.005	
4/7/2017	0.0021	
6/22/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	0.0049	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	0.0067 (O)	
11/13/2015	<0.005	
4/11/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	0.00036 (J)	
10/13/2016	0.00035 (J)	
12/5/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	0.0027	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	0.0004 (J)	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Selenium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/20/2015	<0.005	
11/13/2015	<0.005	
4/8/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
10/13/2016	0.00046 (J)	
12/6/2016	<0.005	
2/13/2017	0.0025	
4/11/2017	0.00089 (J)	
6/24/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	<0.005	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	0.00025 (J)	
5/24/2014	<0.001	
11/8/2014	0.00048	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/6/2016	<0.001	
6/14/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/10/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00016 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.001	
2/14/2011	<0.001	
3/22/2011	<0.001	
4/26/2011	<0.001	
10/27/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	0.00086	
5/21/2015	<0.001	
11/13/2015	<0.001	
4/8/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/11/2016	<0.001	
12/5/2016	<0.001	
2/10/2017	<0.001	
4/7/2017	<0.001	
6/26/2017	<0.001	
10/9/2017	<0.001	
3/26/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/2/2021		0.00036 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	0.00026 (J)	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/26/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	0.00032	
5/20/2015	<0.001	
11/13/2015	<0.001	
4/7/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
10/10/2016	<0.001	
12/2/2016	<0.001	
2/9/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/22/2018	<0.001 (D)	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00036 (J)	
9/11/2020	<0.001	
4/2/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.001	
2/14/2011	<0.001	
3/23/2011	<0.001	
4/27/2011	<0.001	
10/25/2011	<0.001	
5/1/2012	<0.001	
11/8/2012	<0.001	
5/7/2013	<0.001	
11/5/2013	<0.001	
5/23/2014	<0.001	
11/7/2014	<0.001	
5/21/2015	<0.001	
11/12/2015	<0.001	
4/7/2016	<0.001	
6/17/2016	<0.001	
8/10/2016	<0.001	
10/14/2016	<0.001	
12/19/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/3/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	0.00018 (J)	
9/11/2020	<0.001	
4/5/2021		0.00043 (J)

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	0.00028	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/8/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
10/11/2016	<0.001	
12/2/2016	<0.001	
2/13/2017	<0.001	
4/7/2017	<0.001	
6/22/2017	<0.001	
10/10/2017	<0.001	
3/23/2018	<0.001	
10/4/2018	<0.001	
3/28/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/10/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Thallium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.001	
2/15/2011	<0.001	
3/22/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/2/2012	<0.001	
11/8/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/22/2015	<0.001	
11/13/2015	<0.001	
4/11/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
10/13/2016	<0.001	
12/5/2016	<0.001	
2/13/2017	<0.001	
4/10/2017	<0.001	
6/23/2017	<0.001	
10/11/2017	<0.001	
3/26/2018	<0.001	
10/4/2018	<0.001	
3/27/2019	<0.001	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/5/2021		0.00022 (J)

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0028 (J)	
4/26/2011	0.0025 (J)	
10/27/2011	<0.0025	
5/1/2012	<0.0025	
11/8/2012	<0.0025	
5/7/2013	<0.0025	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	<0.0025	
11/13/2015	<0.0025	
4/6/2016	0.00201 (J)	
10/11/2016	<0.0025	
4/10/2017	0.002 (J)	
10/9/2017	<0.0025	
3/26/2018	0.0014 (J)	
10/3/2018	0.0023 (J)	
3/27/2019	0.0072 (O)	
9/12/2019	0.0031	
3/19/2020	0.003	
9/10/2020	0.0027	
4/2/2021		0.0029

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.0025	
2/14/2011	<0.0025	
3/22/2011	0.0032 (J)	
4/26/2011	<0.0025	
10/27/2011	<0.0025	
5/1/2012	0.0037 (J)	
11/8/2012	<0.0025	
5/7/2013	0.0041 (J)	
11/4/2013	<0.0025	
5/24/2014	<0.0025	
11/8/2014	<0.0025	
5/21/2015	0.0052 (J)	
11/13/2015	<0.0025	
4/8/2016	<0.0025 (D)	
10/11/2016	<0.0025	
4/7/2017	0.0033	
10/9/2017	<0.0025	
3/26/2018	0.0029	
10/3/2018	0.0022 (J)	
3/27/2019	0.0071 (O)	
9/12/2019	0.0025	
3/19/2020	0.0052	
9/10/2020	0.0025	
4/2/2021		0.0045

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0014	
2/14/2011	<0.0014	
3/21/2011	<0.0014	
4/26/2011	0.0022 (J)	
10/26/2011	<0.0014	
5/1/2012	0.0036 (J)	
11/8/2012	0.0062 (O)	
5/8/2013	<0.0014	
11/4/2013	<0.0014	
5/24/2014	<0.0014	
11/7/2014	<0.0014	
5/20/2015	<0.0014	
11/13/2015	<0.0014	
4/7/2016	<0.0014	
10/10/2016	<0.0014	
4/7/2017	<0.0014	
10/10/2017	0.0014 (J)	
3/22/2018	<0.0014 (D)	
10/3/2018	<0.0014	
3/27/2019	0.0023 (J)	
9/12/2019	0.0017	
3/19/2020	0.0031	
9/11/2020	0.0015	
4/2/2021		0.0014

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	0.0024 (J)	
2/1/2011	0.0021 (J)	
3/21/2011	0.0025 (J)	
4/26/2011	0.0033 (J)	
10/27/2011	<0.0034	
5/2/2012	0.0051 (J)	
11/8/2012	0.02 (O)	
5/7/2013	0.0036 (J)	
11/4/2013	0.0043 (J)	
5/24/2014	0.0033 (J)	
11/7/2014	<0.0034	
5/20/2015	0.0062 (J)	
11/13/2015	0.0046 (J)	
4/7/2016	0.00293 (J)	
10/10/2016	0.0031	
4/7/2017	0.0041	
10/10/2017	<0.0034	
3/23/2018	0.0032	
10/4/2018	<0.0034 (X)	
3/27/2019	0.0072	
9/12/2019	0.0033	
3/19/2020	0.0033	
9/11/2020	0.0026	
4/5/2021		0.003

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	0.0051 (J)	
2/1/2011	0.012	
3/23/2011	0.015	
4/27/2011	0.022	
10/26/2011	0.0043 (J)	
5/1/2012	0.0069 (J)	
11/8/2012	0.013	
5/7/2013	0.017	
11/5/2013	0.013	
5/23/2014	0.041	
11/7/2014	0.0069 (J)	
5/21/2015	0.016	
11/12/2015	0.013	
4/8/2016	<0.0053 (D)	
10/11/2016	0.011	
4/7/2017	0.0073	
10/10/2017	0.0032	
3/22/2018	0.0068	
10/5/2018	<0.0053 (X)	
3/27/2019	0.012	
9/12/2019	0.0075	
3/20/2020	0.0086	
9/11/2020	0.007	
4/5/2021		0.0085

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	0.0091 (J)	
2/14/2011	0.013	
3/23/2011	<0.01	
4/27/2011	0.0078 (J)	
10/25/2011	0.012 (O)	
5/1/2012	0.019	
11/8/2012	0.015	
5/7/2013	0.017	
11/5/2013	0.015	
5/23/2014	0.017	
11/7/2014	0.013	
5/21/2015	0.016	
11/12/2015	0.018	
4/7/2016	0.016	
10/14/2016	0.018	
4/7/2017	0.017	
10/10/2017	0.015	
3/23/2018	0.016	
10/3/2018	0.017	
3/27/2019	0.022	
9/12/2019	0.019	
3/19/2020	0.019	
9/11/2020	0.017	
4/5/2021		0.019

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	0.016	
2/14/2011	0.016	
3/21/2011	0.018	
4/26/2011	0.018	
10/26/2011	0.018	
5/2/2012	0.021	
11/8/2012	0.019	
5/8/2013	0.02	
11/5/2013	0.018	
5/23/2014	0.018	
11/7/2014	0.018	
5/21/2015	0.02	
11/12/2015	0.016	
4/7/2016	0.0182	
10/11/2016	0.023	
4/7/2017	0.02	
10/10/2017	0.016	
3/22/2018	0.018	
10/3/2018	0.018	
3/27/2019	0.021	
9/12/2019	0.02	
3/19/2020	0.02	
9/10/2020	0.018	
4/6/2021		0.021

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	0.0037 (J)	
2/15/2011	0.0043 (J)	
3/22/2011	0.0039 (J)	
4/27/2011	0.0035 (J)	
10/26/2011	0.0047 (J)	
5/2/2012	0.0064 (J)	
11/8/2012	0.0051 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0039 (J)	
5/24/2014	0.0053 (J)	
11/7/2014	0.0034 (J)	
5/22/2015	0.0068 (J)	
11/13/2015	0.0044 (J)	
4/11/2016	0.00381 (J)	
10/11/2016	<0.0053	
4/10/2017	0.0038	
10/10/2017	0.0053	
3/26/2018	0.0037	
10/4/2018	<0.0053 (X)	
3/28/2019	0.0079	
9/12/2019	0.0054	
3/19/2020	0.0044	
9/10/2020	0.0049	
4/6/2021		0.0045

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.0037	
2/15/2011	<0.0037	
3/22/2011	0.0034 (J)	
4/27/2011	0.0032 (J)	
10/26/2011	<0.0037	
5/2/2012	0.0039 (J)	
11/8/2012	0.0034 (J)	
5/8/2013	<0.0037	
11/4/2013	0.0035 (J)	
5/24/2014	0.0036 (J)	
11/8/2014	<0.0037	
5/22/2015	0.0044 (J)	
11/13/2015	<0.0037	
4/11/2016	0.00254 (J)	
10/11/2016	<0.0037	
4/7/2017	0.0024 (J)	
10/10/2017	<0.0037	
3/23/2018	0.0023 (J)	
10/4/2018	<0.0037 (X)	
3/28/2019	0.0053	
9/12/2019	0.0028	
3/19/2020	0.0027	
9/10/2020	0.0026	
4/6/2021		0.0026

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	0.0027 (J)	
2/15/2011	0.0036 (J)	
3/22/2011	<0.0066	
4/27/2011	0.0046 (J)	
10/26/2011	<0.0066	
5/2/2012	0.0055 (J)	
11/8/2012	0.0042 (J)	
5/8/2013	0.0046 (J)	
11/4/2013	0.0042 (J)	
5/24/2014	0.0061 (J)	
11/7/2014	0.0032 (J)	
5/22/2015	0.0056 (J)	
11/13/2015	<0.0066	
4/11/2016	0.00415 (J)	
10/13/2016	<0.0066	
4/10/2017	0.0043	
10/11/2017	0.0052	
3/26/2018	0.004	
10/4/2018	<0.0066 (X)	
3/27/2019	0.0087	
9/12/2019	0.0047	
3/19/2020	0.0046	
9/11/2020	0.0042	
4/5/2021		0.0059

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.01	
2/15/2011	0.0098 (J)	
3/21/2011	0.012	
4/28/2011	0.011	
10/26/2011	0.012	
5/1/2012	0.011	
11/9/2012	0.011	
5/8/2013	<0.01	
11/4/2013	0.011	
5/24/2014	0.012	
11/7/2014	0.01	
5/22/2015	0.013	
11/13/2015	0.014	
4/11/2016	0.0107	
10/13/2016	0.011	
4/11/2017	0.011	
10/11/2017	0.012	
3/26/2018	0.0096	
10/4/2018	0.013	
3/28/2019	0.01	
9/12/2019	0.011	
3/19/2020	0.01	
9/11/2020	0.0099	
4/5/2021		0.011

Prediction Limit

Constituent: Vanadium, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	<0.001	
2/14/2011	<0.001	
3/21/2011	<0.001	
4/27/2011	<0.001	
10/26/2011	<0.001	
5/1/2012	0.0032 (J)	
11/9/2012	<0.001	
5/8/2013	<0.001	
11/4/2013	<0.001	
5/24/2014	<0.001	
11/7/2014	<0.001	
5/20/2015	0.0065	
11/13/2015	<0.001	
4/8/2016	0.0136 (O)	
10/13/2016	<0.001	
4/11/2017	<0.001	
10/11/2017	0.0019 (J)	
3/26/2018	<0.001	
10/4/2018	<0.001 (X)	
3/28/2019	0.0041	
9/12/2019	<0.001	
3/19/2020	<0.001	
9/11/2020	<0.001	
4/6/2021		<0.001

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	<0.005	
4/6/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0046 (J)	
3/19/2020	<0.005	
9/10/2020	0.0048 (J)	
4/2/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
12/22/2010	<0.005	
2/14/2011	<0.005	
3/22/2011	<0.005	
4/26/2011	<0.005	
10/27/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/21/2015	<0.005	
11/13/2015	0.039 (O)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/9/2017	<0.005	
3/26/2018	<0.005 (D)	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0085	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/2/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
12/20/2010	<0.0065	
2/14/2011	<0.0065	
3/21/2011	<0.0065	
4/26/2011	<0.0065	
10/26/2011	<0.0065	
5/1/2012	<0.0065	
11/8/2012	<0.0065	
5/8/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/7/2014	<0.0065	
5/20/2015	<0.0065	
11/13/2015	<0.0065	
4/7/2016	0.00345 (J)	
10/10/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	<0.0065	
3/22/2018	<0.0065 (D)	
10/3/2018	<0.0065	
3/27/2019	<0.0065	
9/12/2019	0.0095	
3/19/2020	0.0037 (J)	
9/11/2020	0.0098	
4/2/2021		0.0058

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
12/20/2010	<0.0065	
2/1/2011	<0.0065	
3/21/2011	<0.0065	
4/26/2011	<0.0065	
10/27/2011	<0.0065	
5/2/2012	<0.0065	
11/8/2012	0.013 (O)	
5/7/2013	<0.0065	
11/4/2013	<0.0065	
5/24/2014	<0.0065	
11/7/2014	<0.0065	
5/20/2015	<0.0065	
11/13/2015	<0.0065	
4/7/2016	0.00265 (J)	
10/10/2016	<0.0065	
4/7/2017	<0.0065	
10/10/2017	0.0096 (J)	
3/23/2018	<0.0065	
10/4/2018	<0.0065	
3/27/2019	<0.0065	
9/12/2019	0.0091	
3/19/2020	0.0035 (J)	
9/11/2020	0.0038 (J)	
4/5/2021		0.0049 (J)

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
12/20/2010	<0.005	
2/1/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	0.0087	
11/5/2013	<0.005	
5/23/2014	0.014 (O)	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/5/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0049 (J)	
3/20/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
12/21/2010	<0.005	
2/14/2011	<0.005	
3/23/2011	<0.005	
4/27/2011	<0.005	
10/25/2011	<0.005	
5/1/2012	<0.005	
11/8/2012	<0.005	
5/7/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00287 (J)	
10/14/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0048 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
12/21/2010	<0.005	
2/14/2011	<0.005	
3/21/2011	<0.005	
4/26/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/5/2013	<0.005	
5/23/2014	<0.005	
11/7/2014	<0.005	
5/21/2015	<0.005	
11/12/2015	<0.005	
4/7/2016	0.00208 (J)	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/22/2018	<0.005	
10/3/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0041 (J)	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/10/2017	<0.005	
10/10/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0058	
3/19/2020	<0.005	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/8/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/11/2016	<0.005	
4/7/2017	<0.005	
10/10/2017	<0.005	
3/23/2018	<0.005	
10/4/2018	0.0076	
3/28/2019	<0.005	
9/12/2019	0.0057	
3/19/2020	0.0037 (J)	
9/10/2020	<0.005	
4/6/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
12/22/2010	<0.005	
2/15/2011	<0.005	
3/22/2011	<0.005	
4/27/2011	<0.005	
10/26/2011	<0.005	
5/2/2012	<0.005	
11/8/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	0.00333 (J)	
10/13/2016	<0.005	
4/10/2017	<0.005	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/27/2019	<0.005	
9/12/2019	0.0042 (J)	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
12/21/2010	<0.005	
2/15/2011	<0.005	
3/21/2011	<0.005	
4/28/2011	<0.005	
10/26/2011	<0.005	
5/1/2012	<0.005	
11/9/2012	<0.005	
5/8/2013	<0.005	
11/4/2013	<0.005	
5/24/2014	<0.005	
11/7/2014	<0.005	
5/22/2015	<0.005	
11/13/2015	<0.005	
4/11/2016	<0.005	
10/13/2016	<0.005	
4/11/2017	0.0065 (J)	
10/11/2017	<0.005	
3/26/2018	<0.005	
10/4/2018	<0.005	
3/28/2019	<0.005	
9/12/2019	0.0073	
3/19/2020	<0.005	
9/11/2020	<0.005	
4/5/2021		<0.005

Prediction Limit

Constituent: Zinc, Total (mg/L) Analysis Run 6/23/2021 4:23 PM View: Appendix I

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
12/20/2010	0.0095 (J)	
2/14/2011	0.0092 (J)	
3/21/2011	0.011 (J)	
4/27/2011	0.0096 (J)	
10/26/2011	0.011 (J)	
5/1/2012	0.012 (J)	
11/9/2012	0.014 (J)	
5/8/2013	0.016 (J)	
11/4/2013	0.014 (J)	
5/24/2014	0.013 (J)	
11/7/2014	0.014 (J)	
5/20/2015	0.015 (J)	
11/13/2015	0.015 (J)	
10/13/2016	0.015 (J)	
4/11/2017	0.015 (J)	
10/11/2017	0.019 (J)	
3/26/2018	0.016 (J)	
10/4/2018	0.017 (J)	
3/28/2019	0.013 (J)	
9/12/2019	0.02	
3/19/2020	0.014	
9/11/2020	0.014	
4/6/2021		0.014

FIGURE G.

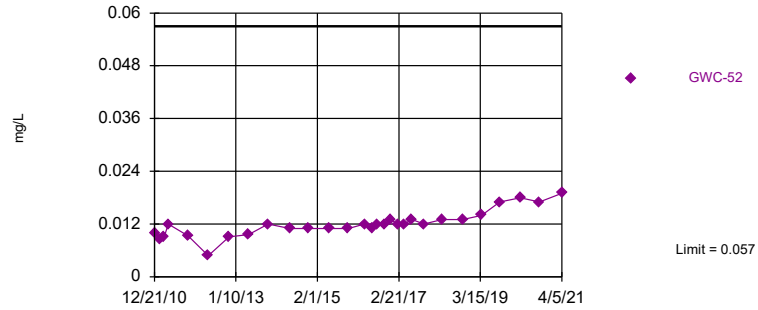
Appendix I Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 1:31 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWC-52	0.057	n/a	4/5/2021	0.019	No	194	n/a	n/a	0	n/a	n/a	0.00005263	NP Inter (normality) 1 of 2
Chromium, Total (mg/L)	GWC-52	0.045	n/a	4/5/2021	0.031	No	201	n/a	n/a	19.4	n/a	n/a	0.0000492	NP Inter (normality) 1 of 2
Nickel, Total (mg/L)	GWC-50	0.022	n/a	4/6/2021	0.0019	No	165	n/a	n/a	81.21	n/a	n/a	0.00007258	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

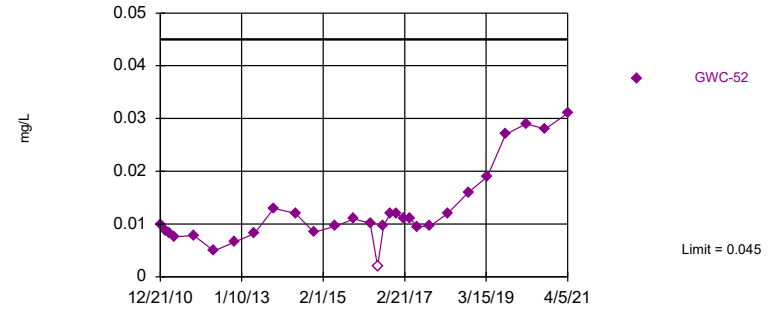


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 194 background values. Annual per-constituent alpha = 0.0005262. Individual comparison alpha = 0.00005263 (1 of 2). Assumes 4 future values.

Constituent: Barium, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Interwell Non-parametric



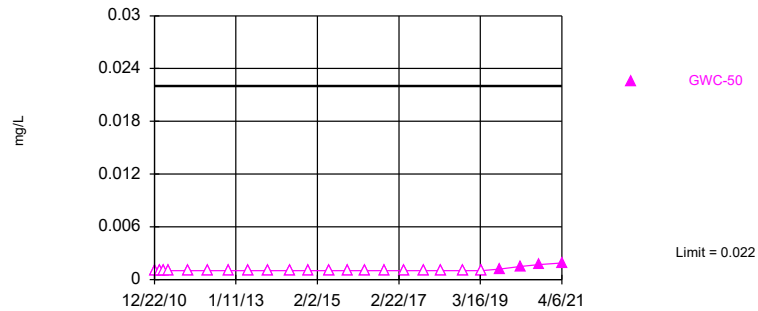
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 201 background values. 19.4% NDs. Annual per-constituent alpha = 0.0004919. Individual comparison alpha = 0.0000492 (1 of 2). Assumes 4 future values.

Constituent: Chromium, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 165 background values. 81.21% NDs. Annual per-constituent alpha = 0.0007255. Individual comparison alpha = 0.00007258 (1 of 2). Assumes 4 future values.

Constituent: Nickel, Total Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
12/20/2010	0.029 (J)	0.019 (J)	0.024 (J)					
12/21/2010				0.01 (J)	0.021 (J)			0.055 (O)
12/22/2010						0.026 (J)	0.028 (J)	
2/1/2011	0.038 (J)	0.017 (J)						
2/14/2011			0.023 (J)		0.021 (J)	0.022 (J)	0.025 (J)	0.05 (O)
2/15/2011				0.0086 (J)				
3/21/2011		0.019 (J)	0.021 (J)	0.009 (J)	0.021 (J)			
3/22/2011						0.02 (J)	0.029 (J)	
3/23/2011	0.045 (J)							0.031 (J)
4/26/2011		0.02 (J)	0.019 (J)		0.021 (J)	0.019 (J)	0.031 (J)	
4/27/2011	0.043 (J)							0.015 (J)
4/28/2011				0.012 (J)				
10/25/2011								0.02
10/26/2011	0.023		0.023	0.0093 (J)	0.019			
10/27/2011		0.018				0.021	0.027	
5/1/2012	0.021		0.014	0.0048 (J)		0.017	0.022	0.017
5/2/2012		0.017			0.018			
11/8/2012	0.038	0.048 (O)	0.034		0.018	0.023	0.024	0.012
11/9/2012				0.0091 (J)				
5/7/2013	0.042	0.02				0.021	0.027	0.022
5/8/2013			0.016	0.0096 (J)	0.017			
11/4/2013		0.019	0.014	0.012		0.018	0.024	
11/5/2013	0.039				0.019			0.012
5/23/2014	0.088 (O)				0.021			0.02
5/24/2014		0.019	0.027	0.011		0.022	0.025	
11/7/2014	0.027	0.019	0.03	0.011	0.019			0.012
11/8/2014						0.02	0.023	
5/20/2015		0.018	0.029					
5/21/2015	0.036				0.02	0.022	0.023	0.011
5/22/2015				0.011				
11/12/2015	0.038				0.019			0.012
11/13/2015		0.02	0.041	0.011		0.025	0.023	
4/6/2016						0.0239		
4/7/2016		0.0207	0.0381		0.0201			0.0116
4/8/2016	0.0261						0.0244	
4/11/2016				0.012				
6/14/2016	0.023	0.019	0.034		0.017	0.021	0.023	
6/16/2016				0.011				
6/17/2016								0.012
8/9/2016	0.026	0.017	0.032		0.017		0.026	
8/10/2016						0.019		0.012
8/11/2016				0.012				
10/10/2016		0.02	0.037					
10/11/2016	0.03				0.02	0.02	0.022	
10/13/2016				0.012				
10/14/2016								0.016
12/2/2016		0.02	0.038		0.02	0.022		
12/5/2016	0.026			0.013			0.025	
12/19/2016								0.012
2/9/2017			0.048		0.018			
2/10/2017	0.023	0.018				0.03	0.026	
2/13/2017				0.012				0.017

Prediction Limit

Constituent: Barium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-21 (bg)	GWA-22 (bg)	GWA-48 (bg)
4/7/2017	0.024	0.02	0.045		0.018		0.021	0.011
4/10/2017						0.025		
4/11/2017				0.012				
6/22/2017	0.025		0.049		0.02			0.014
6/23/2017		0.021				0.026		
6/24/2017				0.013				
6/26/2017							0.028	
10/9/2017						0.025	0.021	
10/10/2017	0.022	0.018	0.044		0.02			0.012
10/11/2017				0.012				
3/22/2018	0.024		0.0495 (D)		0.018			
3/23/2018		0.02						0.012
3/26/2018				0.013		0.026	0.022 (D)	
10/3/2018			0.042		0.018	0.00049 (O)	0.022	0.012
10/4/2018		0.019		0.013				
10/5/2018	0.026							
3/27/2019	0.026	0.021	0.057		0.019	0.024	0.022	0.013
3/28/2019				0.014				
9/12/2019	0.028	0.022	0.1 (L)	0.017	0.022	0.025	0.023	0.016
12/2/2019			0.11 (R,L)					
3/19/2020		0.023	0.11 (L)	0.018	0.02	0.027	0.024	0.02
3/20/2020	0.029							
9/10/2020					0.02	0.023	0.022	
9/11/2020	0.026	0.022	0.15 (L)	0.017				0.013
4/2/2021			0.11 (L)			0.02	0.023	
4/5/2021	0.028	0.022		0.019				0.015
4/6/2021					0.02			

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-21 (bg)
12/20/2010	0.0064	0.0036 (J)	<0.002					
12/21/2010				0.01	0.0073	0.0094		
12/22/2010							0.0029 (J)	0.0052
2/1/2011	0.015	0.0037 (J)						
2/14/2011			<0.002		0.0051	0.028	0.0027 (J)	0.0057
2/15/2011				0.0087				
3/21/2011		0.004 (J)	<0.002	0.0083	0.0067			
3/22/2011							0.0049 (J)	0.0055
3/23/2011	0.0084					0.0042 (J)		
4/26/2011		0.0037 (J)	<0.002		0.0065		0.0048 (J)	0.0069
4/27/2011	0.011					<0.002		
4/28/2011				0.0076				
10/25/2011						0.0062		
10/26/2011	0.0061		<0.002	0.0078	0.0068			
10/27/2011		0.0047 (J)					0.0023 (J)	0.011
5/1/2012	0.0072		<0.002	0.0049 (J)		0.011	0.0051	0.0056
5/2/2012		0.005 (J)			0.011			
11/8/2012	0.015	0.0081	<0.002		0.0052	0.0089	0.0034 (J)	<0.002
11/9/2012				0.0066				
5/7/2013	0.044	0.0035 (J)				0.019	0.0078	0.0036 (J)
5/8/2013			<0.002	0.0082	0.0059			
11/4/2013		0.0056 (J)	<0.002	0.013			0.0055 (J)	0.0032 (J)
11/5/2013	0.023				0.0044 (J)	0.0057 (J)		
5/23/2014	0.022				0.0087 (J)	0.0084 (J)		
5/24/2014		0.005 (J)	<0.002	0.012			0.0075 (J)	0.0043 (J)
11/7/2014	0.013	0.004 (J)	<0.002	0.0084 (J)	0.0048 (J)	0.011		
11/8/2014							0.0048 (J)	<0.002
5/20/2015		0.0062 (J)	0.0025 (O)					
5/21/2015	0.029				0.006 (J)	0.013	0.0082 (J)	0.002 (J)
5/22/2015				0.0096 (J)				
11/12/2015	0.045				0.007 (J)	0.015		
11/13/2015		0.0067 (J)	0.0042 (O)	0.011			0.0079 (J)	<0.002
4/6/2016								0.00278 (J)
4/7/2016		0.00467 (J)	<0.002		0.0056 (J)	0.00498 (J)		
4/8/2016	<0.002						<0.002	
4/11/2016				0.0101				
6/14/2016	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002
6/16/2016				<0.002				
6/17/2016						<0.002		
8/9/2016	0.008	0.0041	<0.002		0.0053		0.0079	
8/10/2016						0.0047		0.0019 (J)
8/11/2016				0.0097				
10/10/2016		0.0041	<0.002					
10/11/2016	0.0079				0.0058		0.0069	0.0024 (J)
10/13/2016				0.012				
10/14/2016						0.0056		
12/2/2016		0.0039	<0.002		0.0071			0.0023 (J)
12/5/2016	0.0057			0.012			0.0077	
12/19/2016						0.0039		
2/9/2017			<0.002		0.0051			
2/10/2017	0.0062	0.0044					0.0098	0.0021 (J)
2/13/2017				0.011		0.0059		

Prediction Limit

Constituent: Chromium, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWC-52	GWA-49 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-21 (bg)
4/7/2017	0.0072	0.0046	<0.002		0.006	0.0051	0.0081	
4/10/2017								0.002 (J)
4/11/2017				0.011				
6/22/2017	0.0074		<0.002		0.0056	0.005		
6/23/2017		0.005						0.0018 (J)
6/24/2017				0.0095				
6/26/2017							0.0084	
10/9/2017							0.0082	0.0016 (J)
10/10/2017	0.0072	0.0088	<0.002		0.0073	0.005		
10/11/2017				0.0096				
3/22/2018	0.0074		<0.002 (D)		0.0051			
3/23/2018		0.0045				0.005		
3/26/2018				0.012			0.0088	0.0011 (J)
10/3/2018			<0.002		0.0052	0.0051	0.0086	0.0014 (J)
10/4/2018		0.0047		0.016				
10/5/2018	0.0083							
3/27/2019	0.0081	0.0048	<0.002		0.0056	0.0051	0.0078	0.003
3/28/2019				0.019				
9/12/2019	0.0088	0.0051	<0.002	0.027	0.0075	0.0085	0.0092	0.0047
3/19/2020		0.0043	<0.002	0.029	0.0055	0.0063	0.011	0.0026
3/20/2020	0.0085							
9/10/2020					0.0063		0.0077	0.0019 (J)
9/11/2020	0.0081	0.0042	<0.002	0.028		0.0053		
4/2/2021			<0.002				0.01	0.0029
4/5/2021	0.0084	0.0041		0.031		0.0061		
4/6/2021					0.0055			

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
12/20/2010	<0.001	<0.001	<0.001					
12/21/2010				<0.001	0.0052			
12/22/2010						<0.001	<0.001	0.003 (O)
2/1/2011	0.0072	<0.001						
2/14/2011			<0.001	<0.001	0.016	<0.001		<0.001
2/15/2011							<0.001	
3/21/2011		<0.001	<0.001	<0.001				
3/22/2011						<0.001	<0.001	<0.001
3/23/2011	<0.001				<0.001			
4/26/2011		<0.001	<0.001	<0.001		<0.001		<0.001
4/27/2011	<0.001				<0.001		<0.001	
10/25/2011					<0.001			
10/26/2011	<0.001		<0.001	<0.001			<0.001	
10/27/2011		<0.001				<0.001		<0.001
5/1/2012	<0.001		<0.001		0.0035 (J)	<0.001		<0.001
5/2/2012		<0.001		<0.001			<0.001	
11/8/2012	0.0066	0.0035 (O)	<0.001	<0.001	0.0046 (J)	<0.001	<0.001	<0.001
5/7/2013	0.022	<0.001			0.0087	<0.001		<0.001
5/8/2013			<0.001	<0.001			<0.001	
11/4/2013		<0.001	<0.001			<0.001	<0.001	<0.001
11/5/2013	0.0093			<0.001	0.0036 (J)			
5/23/2014	0.0045 (J)			<0.001	<0.001			
5/24/2014		<0.001	<0.001			<0.001	<0.001	<0.001
11/7/2014	0.0049 (J)	<0.001	<0.001	<0.001	0.0064			
11/8/2014						<0.001	<0.001	<0.001
5/20/2015		<0.001	<0.001					
5/21/2015	0.012			<0.001	0.0045 (J)	<0.001		<0.001
5/22/2015							<0.001	
11/12/2015	0.019			<0.001	0.0036 (J)			
11/13/2015		<0.001	<0.001			<0.001	<0.001	<0.001
4/6/2016						<0.001		
4/7/2016		<0.001	<0.001	<0.001	<0.001			
4/8/2016	<0.001							<0.001
4/11/2016							<0.001	
10/10/2016		<0.001	<0.001					
10/11/2016	<0.001			<0.001		<0.001	<0.001	<0.001
10/14/2016					<0.001			
4/7/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001
4/10/2017						<0.001		
10/9/2017						0.0024 (O)		<0.001
10/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
3/22/2018	<0.001		<0.001 (D)	<0.001				
3/23/2018		<0.001			<0.001		<0.001	
3/26/2018						<0.001		<0.001 (D)
10/3/2018			<0.001	<0.001	<0.001	<0.001		<0.001
10/4/2018		<0.001					<0.001	
10/5/2018	<0.001							
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
3/28/2019							<0.001	
9/12/2019	<0.001	0.0004 (J)	0.00061 (J)	0.00043 (J)	<0.001	0.00097 (J)	0.0012	<0.001
3/19/2020		<0.001	0.00074 (J)	<0.001	0.0004 (J)	0.00037 (J)	0.0015	<0.001
3/20/2020	<0.001							

Prediction Limit

Constituent: Nickel, Total (mg/L) Analysis Run 6/23/2021 1:31 PM View: Appendix I - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-21 (bg)	GWC-50	GWA-22 (bg)
9/10/2020				0.00062 (J)		0.00095 (J)	0.0017	<0.001
9/11/2020	<0.001	<0.001	0.001		<0.001			
4/2/2021			0.00077 (J)			0.00046 (J)		0.00049 (J)
4/5/2021	<0.001	<0.001			0.00034 (J)			
4/6/2021				<0.001			0.0019	

FIGURE H.

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 12:54 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP

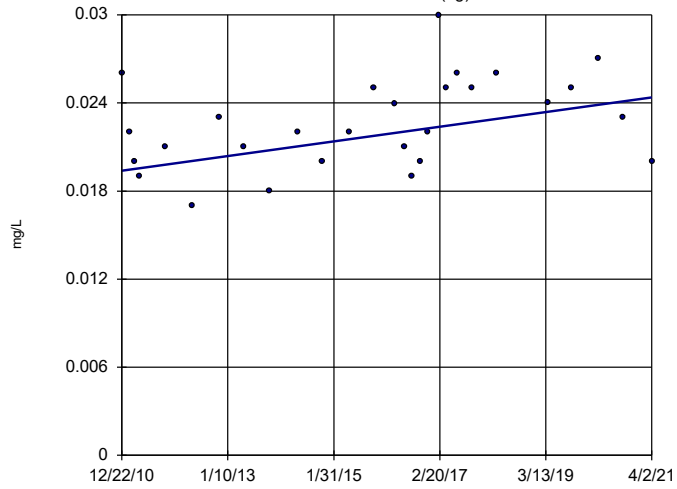
Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 12:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium, Total (mg/L)	GWA-21 (bg)	0.0004836	112	131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-22 (bg)	-0.0004146	-152	-139	Yes	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-45 (bg)	0.006343	329	146	Yes	30	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-46 (bg)	0.0003288	165	131	Yes	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-47 (bg)	-0.001051	-101	-131	No	28	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-48 (bg)	0	-28	-124	No	27	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWA-49 (bg)	0	-28	-139	No	29	0	n/a	n/a	0.01	NP
Barium, Total (mg/L)	GWC-52	0.000696	301	139	Yes	29	0	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-21 (bg)	-0.0004985	-184	-139	Yes	29	13.79	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-22 (bg)	0.000569	232	139	Yes	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-45 (bg)	0	0	124	No	27	100	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-46 (bg)	0.00005196	57	139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-47 (bg)	-0.0003293	-56	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-48 (bg)	-0.0004164	-104	-139	No	29	6.897	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWA-49 (bg)	-0.00005362	-38	-139	No	29	3.448	n/a	n/a	0.01	NP
Chromium, Total (mg/L)	GWC-52	0.00108	235	139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-21 (bg)	0	-78	-98	No	23	82.61	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-22 (bg)	0	-22	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-45 (bg)	0	-76	-105	No	24	83.33	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-46 (bg)	0	-16	-98	No	23	95.65	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-47 (bg)	0	-52	-105	No	24	66.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-48 (bg)	-0.000281	-121	-105	Yes	24	54.17	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWA-49 (bg)	0	-37	-105	No	24	91.67	n/a	n/a	0.01	NP
Nickel, Total (mg/L)	GWC-50	0	-34	-105	No	24	83.33	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-21 (bg)

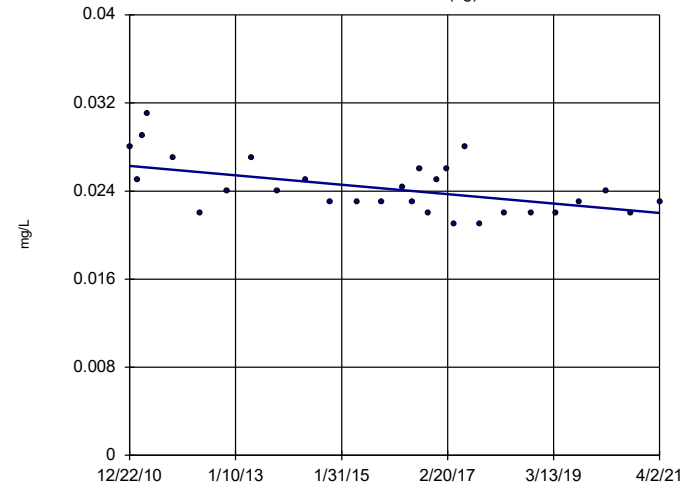


n = 28
 Slope = 0.0004836
 units per year.
 Mann-Kendall
 statistic = 112
 critical = 131
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-22 (bg)

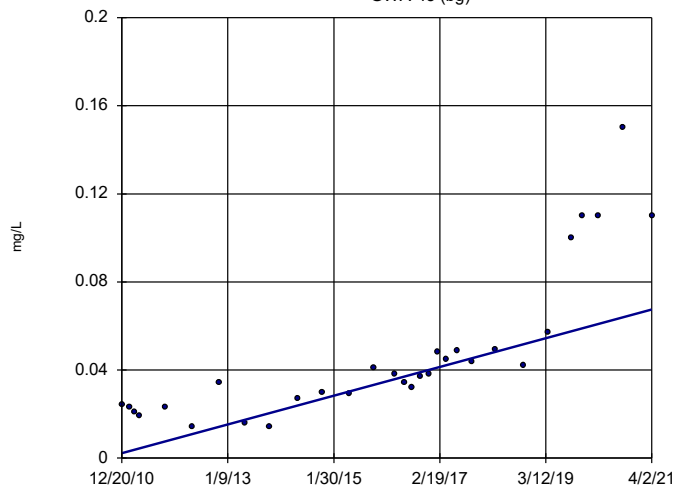


n = 29
 Slope = -0.0004146
 units per year.
 Mann-Kendall
 statistic = -152
 critical = -139
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-45 (bg)

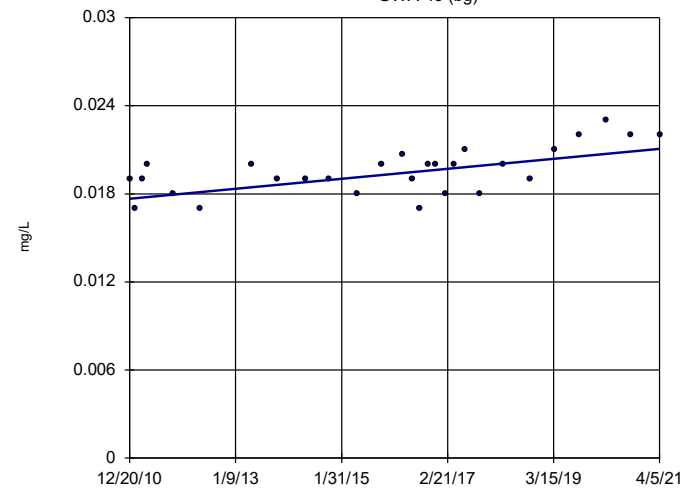


n = 30
 Slope = 0.006343
 units per year.
 Mann-Kendall
 statistic = 329
 critical = 146
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-46 (bg)

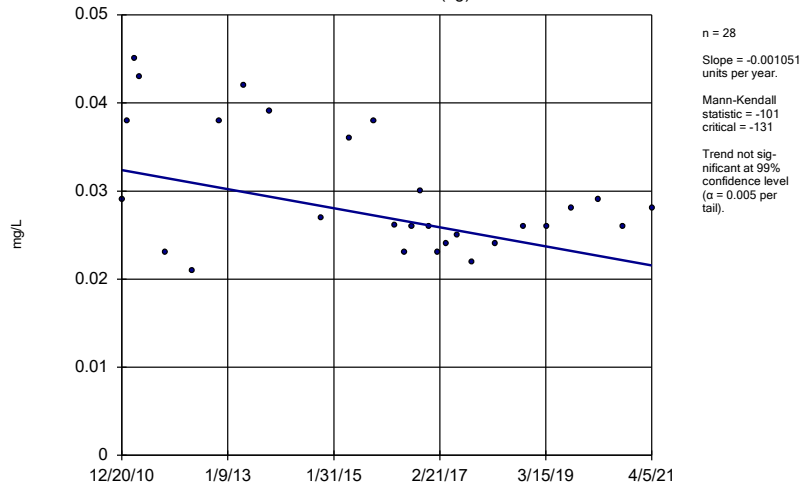


n = 28
 Slope = 0.0003288
 units per year.
 Mann-Kendall
 statistic = 165
 critical = 131
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

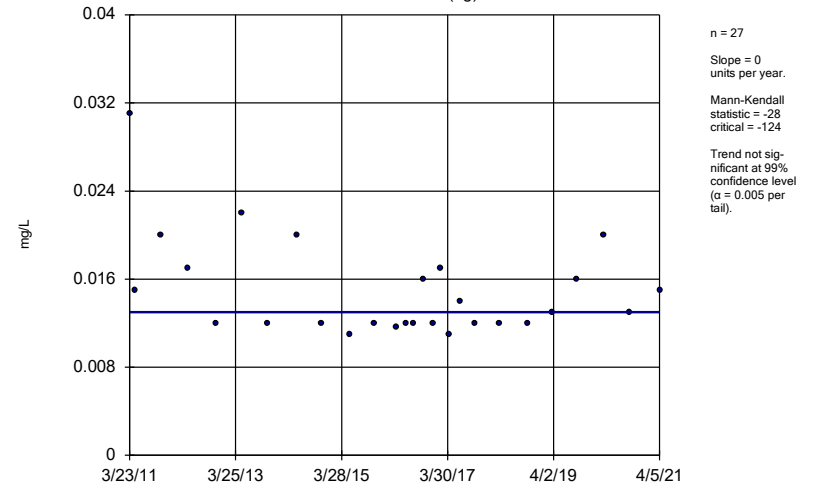
GWA-47 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

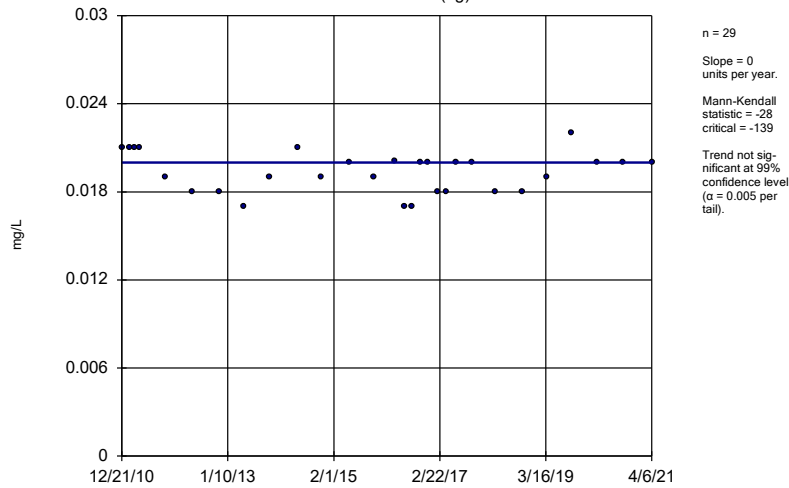
GWA-48 (bg)



Constituent: Barium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

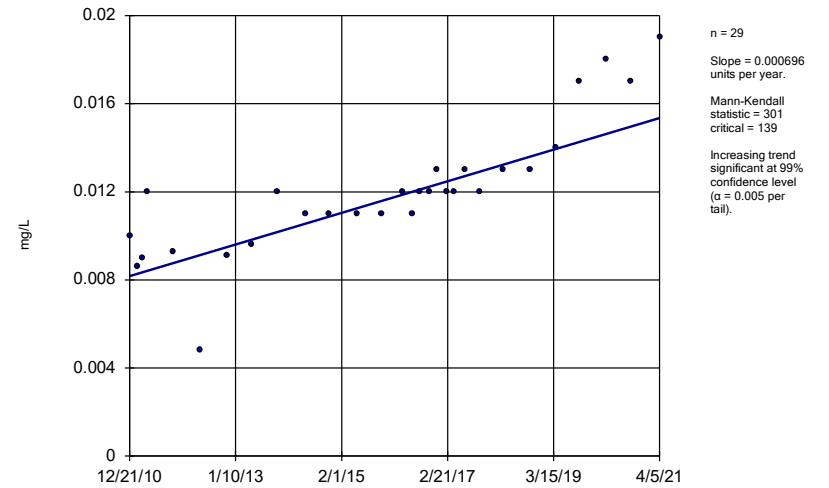
GWA-49 (bg)



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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

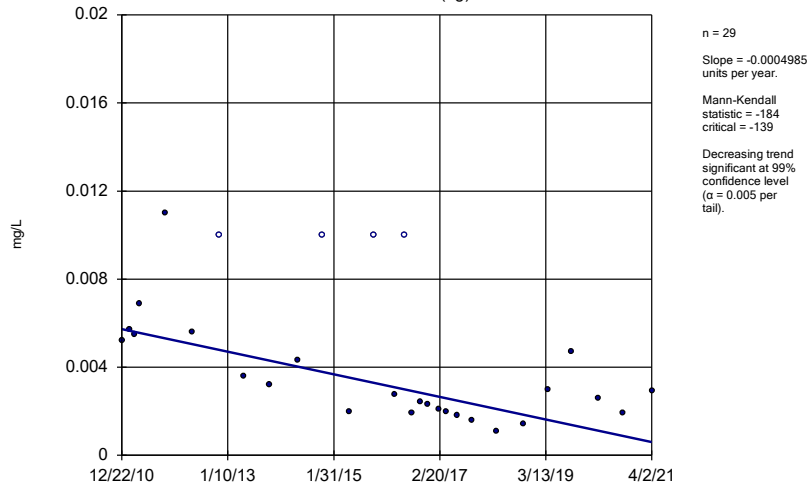
Sen's Slope Estimator

GWC-52



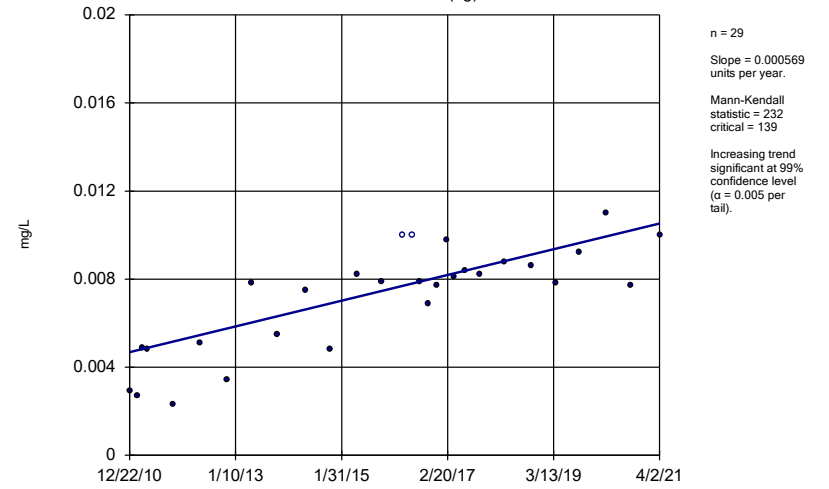
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-21 (bg)



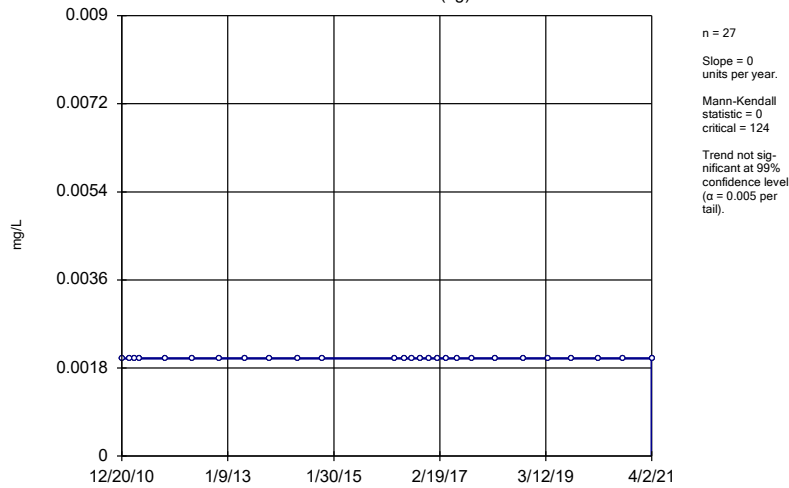
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-22 (bg)



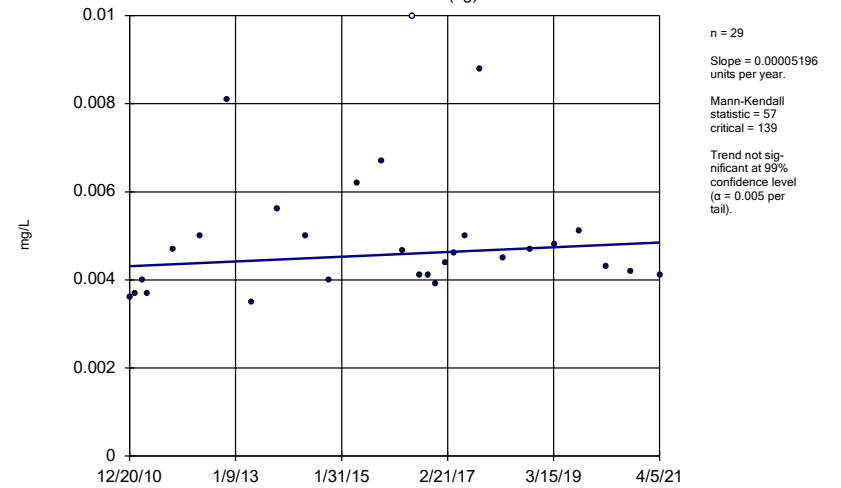
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-45 (bg)



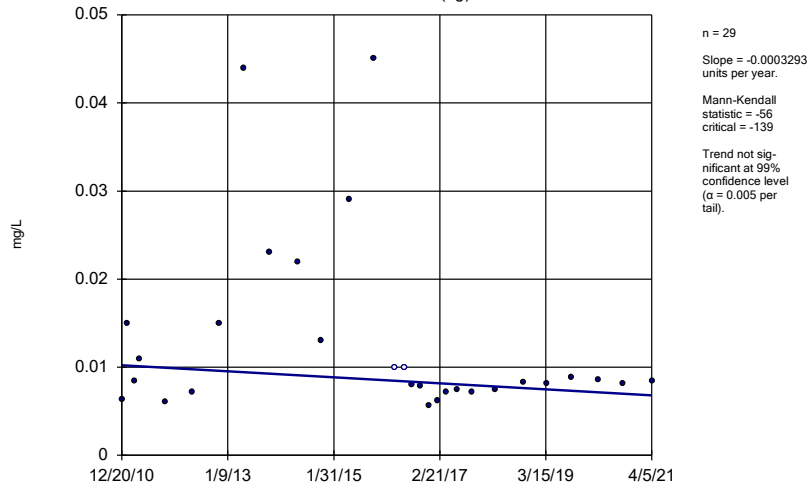
Constituent: Chromium, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-46 (bg)



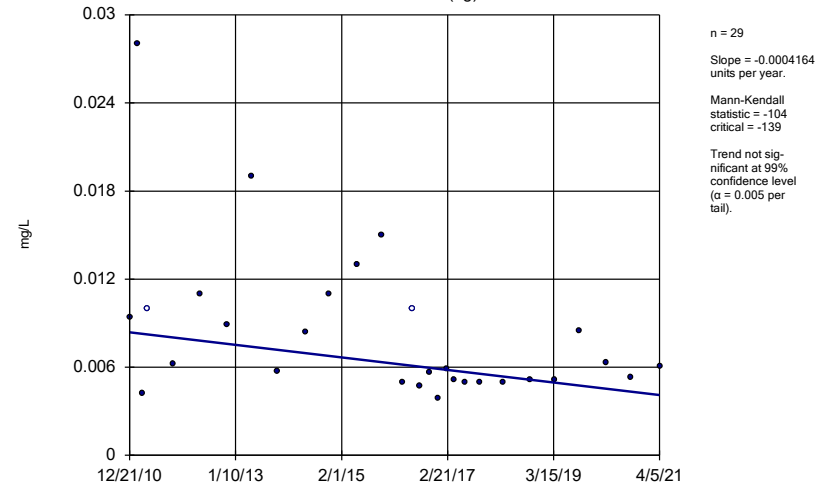
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-47 (bg)



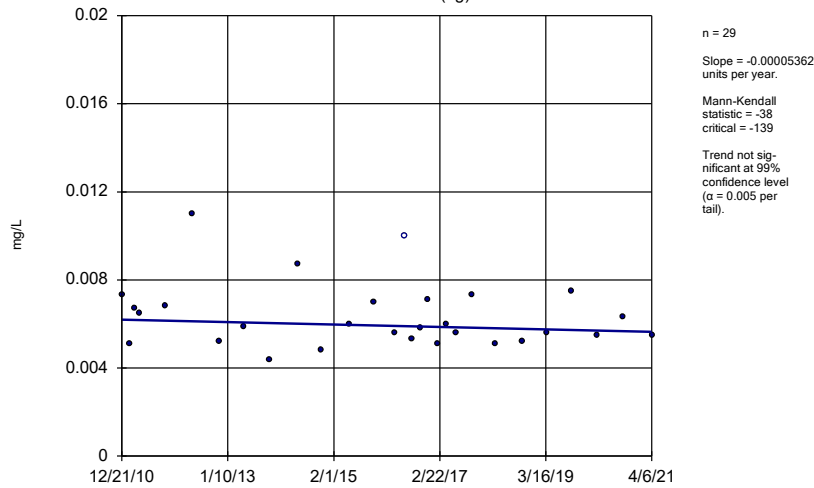
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-48 (bg)



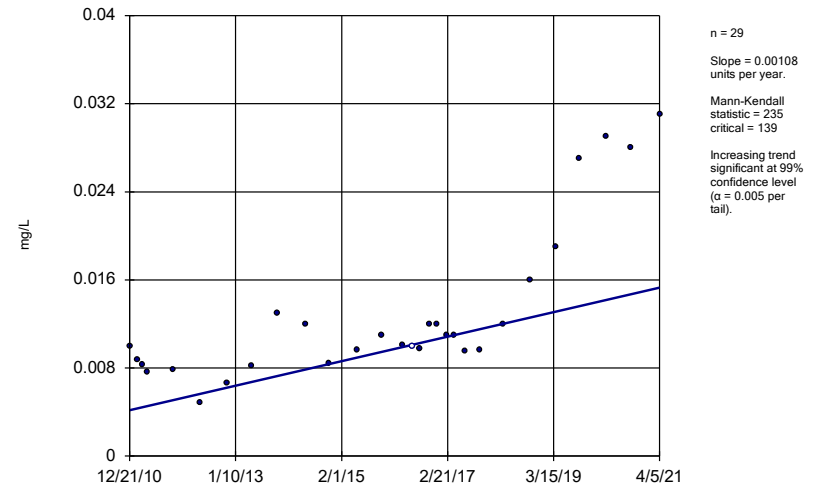
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-49 (bg)



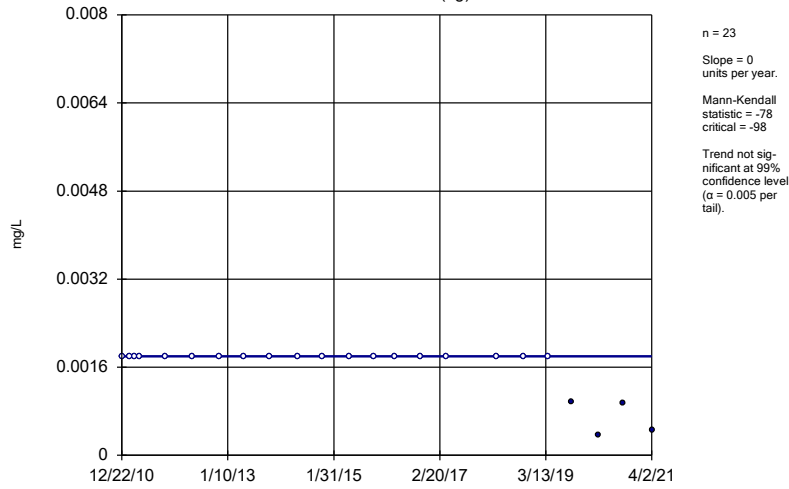
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWC-52



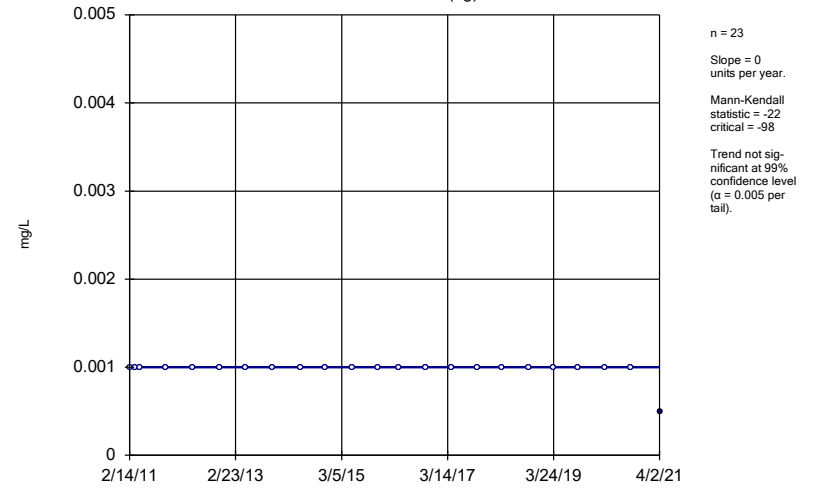
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator GWA-21 (bg)



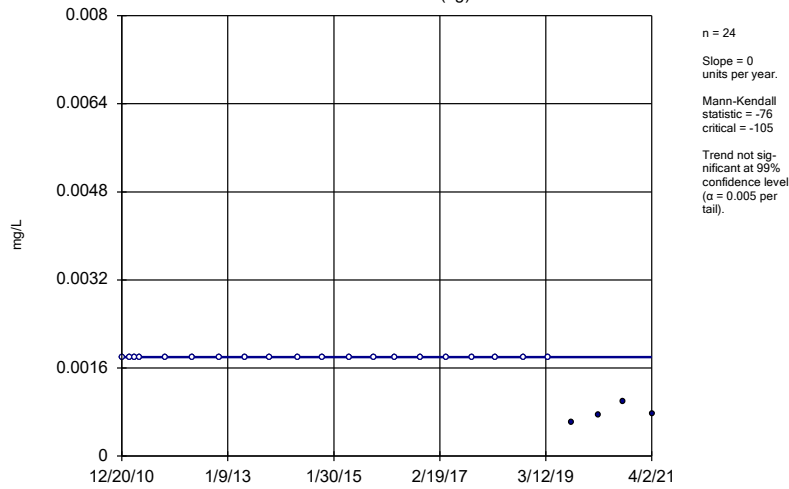
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator GWA-22 (bg)



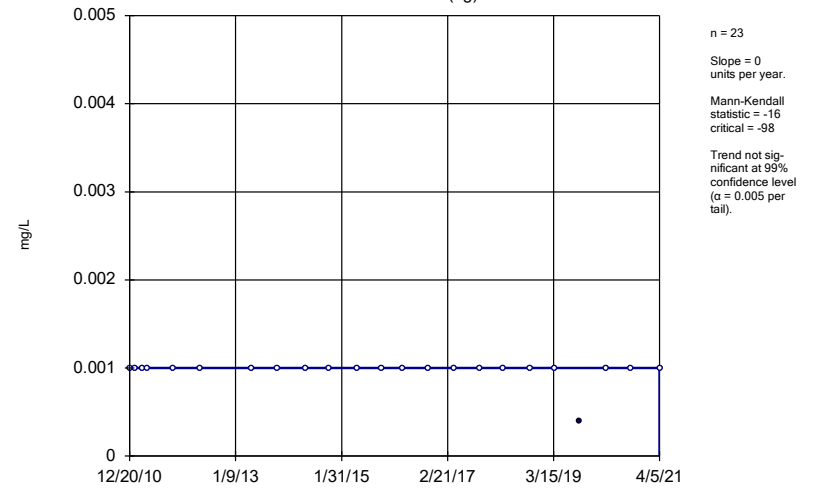
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator GWA-45 (bg)



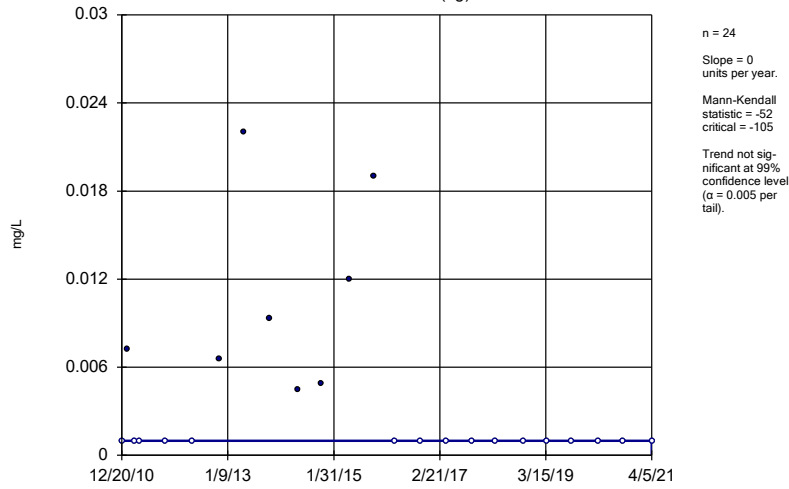
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator GWA-46 (bg)



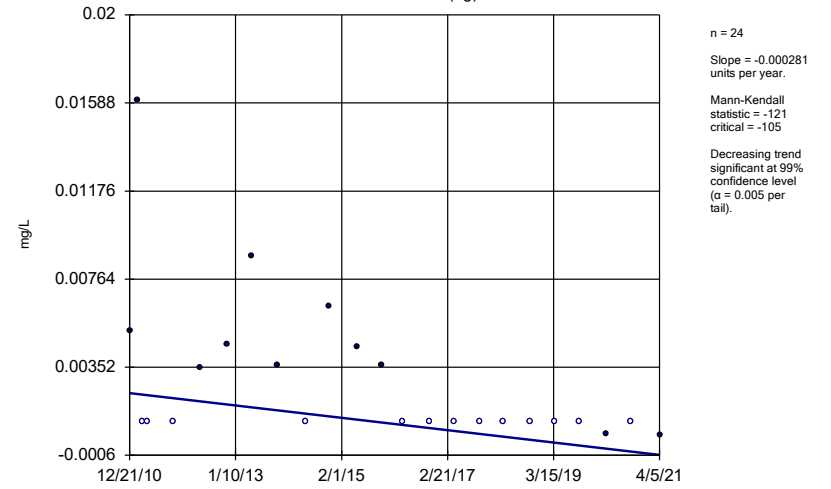
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-47 (bg)



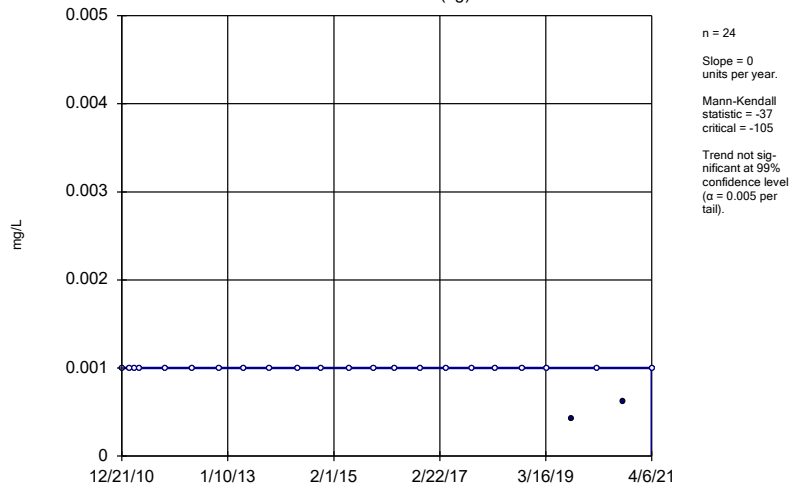
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-48 (bg)



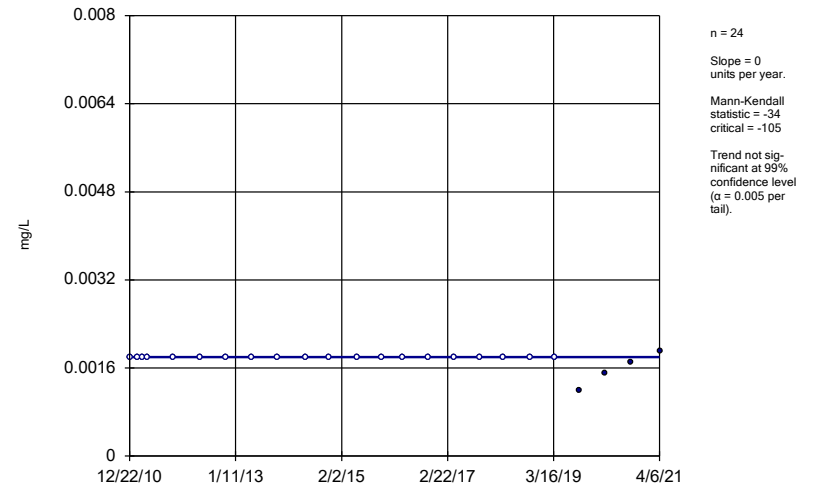
Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-49 (bg)



Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWC-50



Constituent: Nickel, Total Analysis Run 6/21/2021 12:52 PM View: Appendix I - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

FIGURE I.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-21	0.08	n/a	4/2/2021	0.08ND	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-45	1.23	n/a	4/2/2021	1.1	No	15	0.5984	0.288	0	None	No	0.001504	Param Intra 1 of 2
Boron, total (mg/L)	GWA-47	0.08	n/a	4/5/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-48	0.08	n/a	4/5/2021	0.044J	No	15	n/a	n/a	100	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-29	0.08	n/a	4/6/2021	0.08ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-53	1.103	n/a	4/6/2021	0.97	No	15	0.9376	0.0752	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-21	11.54	n/a	4/2/2021	9.2	No	15	8.885	1.213	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-22	9.681	n/a	4/2/2021	9	No	15	6.973	1.235	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-45	46.75	n/a	4/2/2021	29	No	15	36.75	4.558	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-46	7.002	n/a	4/5/2021	7	No	15	5.705	0.5914	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-47	12.34	n/a	4/5/2021	13	Yes	15	10.91	0.6552	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-48	14.32	n/a	4/5/2021	13	No	15	12.53	0.813	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-49	15.64	n/a	4/6/2021	16	Yes	15	14.17	0.6715	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-29	16	n/a	4/6/2021	17	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-50	8.176	n/a	4/6/2021	7.7	No	15	7.156	0.465	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-51	7.763	n/a	4/5/2021	8	Yes	15	6.72	0.4754	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-52	19.24	n/a	4/5/2021	21	Yes	15	14.34	2.233	0	None	No	0.001504	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-53	21.11	n/a	4/6/2021	19	No	15	17.19	1.786	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-21	4.319	n/a	4/2/2021	3.7	No	15	3.296	0.4668	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-22	4.968	n/a	4/2/2021	1.8	No	15	2.927	0.9308	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-45	12	n/a	4/2/2021	13	Yes	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Chloride, Total (mg/L)	GWA-46	4.852	n/a	4/5/2021	5.3	Yes	15	3.488	0.6223	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-47	1.787	n/a	4/5/2021	1.8	Yes	15	1.478	0.1408	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-48	1.996	n/a	4/5/2021	2	Yes	14	1.724	0.1215	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWA-49	2.384	n/a	4/6/2021	2.1	No	15	2.072	0.1421	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-29	4.145	n/a	4/6/2021	3.3	No	14	3.393	0.3362	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-50	2.183	n/a	4/6/2021	1.9	No	15	1.953	0.105	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-51	7.599	n/a	4/5/2021	7.8	Yes	14	6.793	0.3605	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-52	8.538	n/a	4/5/2021	8.2	No	14	7.9	0.2855	0	None	No	0.001504	Param Intra 1 of 2
Chloride, Total (mg/L)	GWC-53	13	n/a	4/6/2021	13	No	15	n/a	n/a	0	n/a	n/a	0.007533	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-21	0.082	n/a	4/2/2021	0.028J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-22	0.082	n/a	4/2/2021	0.032J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-45	0.1	n/a	4/2/2021	0.1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-46	0.1	n/a	4/5/2021	0.039J	No	15	n/a	n/a	86.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-47	0.1	n/a	4/5/2021	0.038J	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-48	0.1	n/a	4/5/2021	0.031J	No	15	n/a	n/a	60	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-49	0.082	n/a	4/6/2021	0.03J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-29	0.082	n/a	4/6/2021	0.031J	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-50	0.1	n/a	4/6/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-51	0.1	n/a	4/5/2021	0.1ND	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-52	0.082	n/a	4/5/2021	0.05J	No	15	n/a	n/a	73.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
pH (S.U.)	GWA-21	5.979	5.611	4/2/2021	6.06	Yes	17	5.795	0.08654	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-22	6.255	5.546	4/2/2021	6.03	No	18	5.901	0.1685	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-45	6.48	5.95	4/2/2021	5.92	Yes	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-46	6.83	5.71	6/1/2021	5.8	No	17	n/a	n/a	0	n/a	n/a	0.01183	NP Intra (normality) 1 of 2
pH (S.U.)	GWA-47	6.578	6.308	6/1/2021	6.46	No	19	6.443	0.06488	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-48	6.953	6.562	6/1/2021	6.78	No	17	6.758	0.09196	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWA-49	7.057	6.66	4/6/2021	6.87	No	17	6.858	0.09329	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-29	6.059	5.652	4/6/2021	6.3	Yes	17	5.855	0.09566	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-50	5.967	5.667	4/6/2021	5.76	No	18	5.817	0.07136	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-51	5.975	5.734	6/2/2021	5.87	No	18	5.854	0.05721	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-52	6.787	6.516	6/2/2021	6.6	No	18	6.652	0.06447	0	None	No	0.000752	Param Intra 1 of 2
pH (S.U.)	GWC-53	5.76	5.427	4/6/2021	5.67	No	17	5.594	0.07834	0	None	No	0.000752	Param Intra 1 of 2

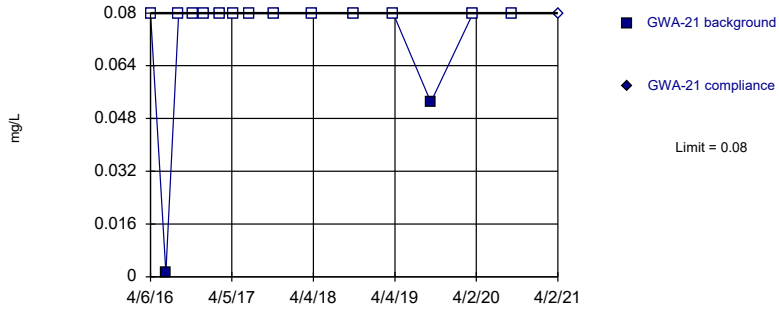
Appendix III Intrawell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/23/2021, 4:56 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate, total (mg/L)	GWA-21	2.559	n/a	4/2/2021	0.99J	No	15	1.375	0.5398	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-22	1	n/a	4/2/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-45	183.3	n/a	4/2/2021	180	No	15	147.8	16.19	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-46	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-47	1	n/a	4/5/2021	1ND	No	15	n/a	n/a	80	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-48	1.689	n/a	4/5/2021	1.3	No	15	1.235	0.2069	0	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-49	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-29	3.367	n/a	4/6/2021	2.5	No	15	2.643	0.33	6.667	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-50	1	n/a	4/6/2021	1ND	No	15	n/a	n/a	93.33	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-51	2.7	n/a	4/5/2021	1.7	No	15	n/a	n/a	66.67	n/a	n/a	0.007533	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWC-52	26.14	n/a	4/5/2021	57	Yes	11	12.62	5.636	9.091	None	No	0.001504	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-53	186.4	n/a	4/6/2021	160	No	15	153.7	14.9	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-21	129.8	n/a	4/2/2021	100	No	15	85.4	20.24	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-22	105.2	n/a	4/2/2021	69	No	15	66.13	17.82	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-45	366.7	n/a	4/2/2021	360	No	15	271.8	43.29	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-46	94.72	n/a	4/5/2021	46	No	15	51.77	19.59	6.667	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-47	118.4	n/a	4/5/2021	63	No	15	86.07	14.72	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-48	126.5	n/a	4/5/2021	99	No	15	92.53	15.48	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-49	131.2	n/a	4/6/2021	110	No	14	107.4	10.65	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-29	139.5	n/a	4/6/2021	110	No	15	90.67	22.27	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-50	119.1	n/a	4/6/2021	49	No	15	70.53	22.17	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-51	108.7	n/a	4/5/2021	66	No	14	77.07	14.12	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-52	193.6	n/a	4/5/2021	170	No	15	128.3	29.78	0	None	No	0.001504	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-53	332.3	n/a	4/6/2021	250	No	15	254.5	35.48	0	None	No	0.001504	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

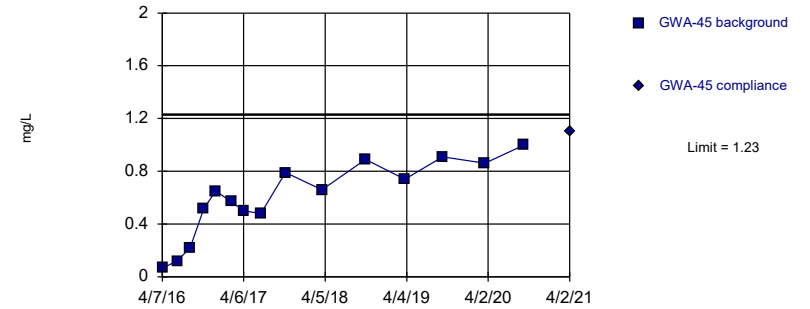


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Boron, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

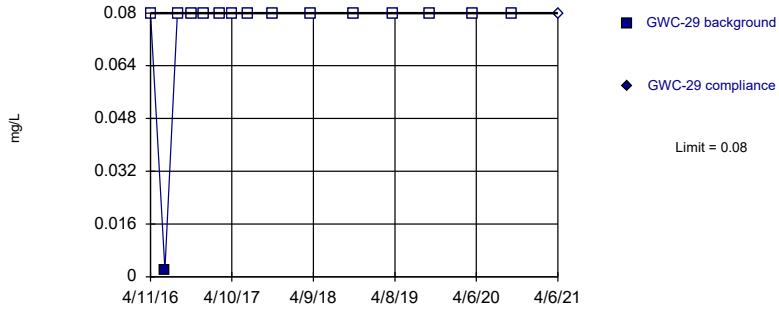
Within Limit

Prediction Limit
Intrawell Parametric



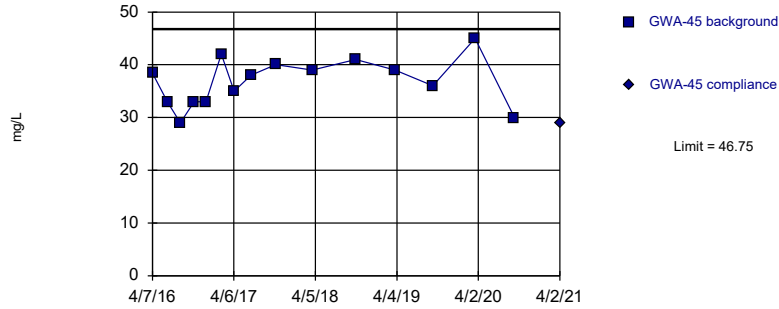
Within Limit

Prediction Limit
 Intrawell Non-parametric



Within Limit

Prediction Limit Intrawell Parametric

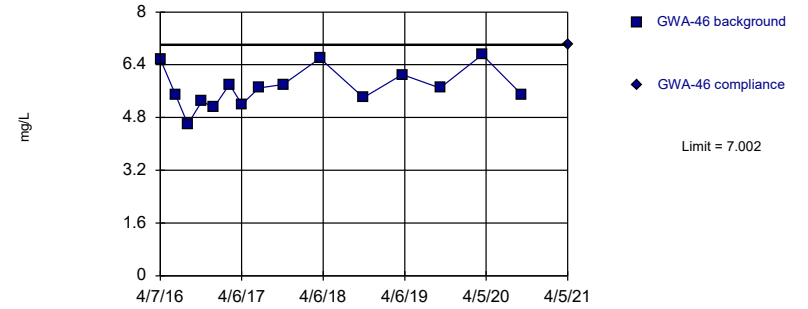


Background Data Summary: Mean=36.75, Std. Dev.=4.558, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit Intrawell Parametric

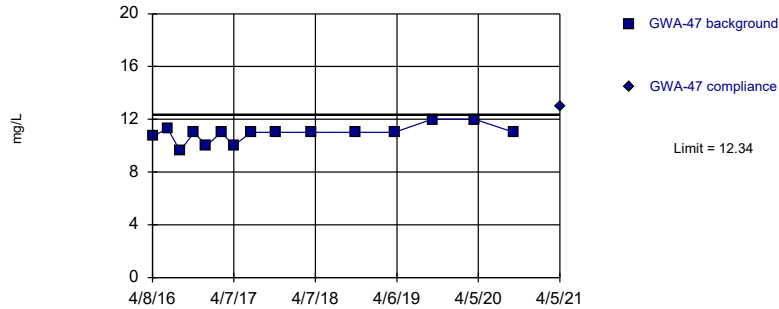


Background Data Summary: Mean=5.705, Std. Dev.=0.5914, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9516, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

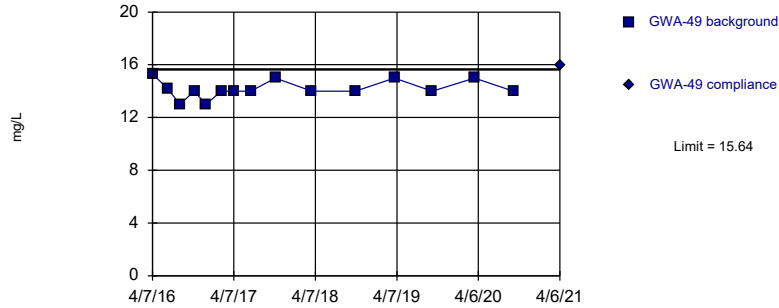
Exceeds Limit

Prediction Limit Intrawell Parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric

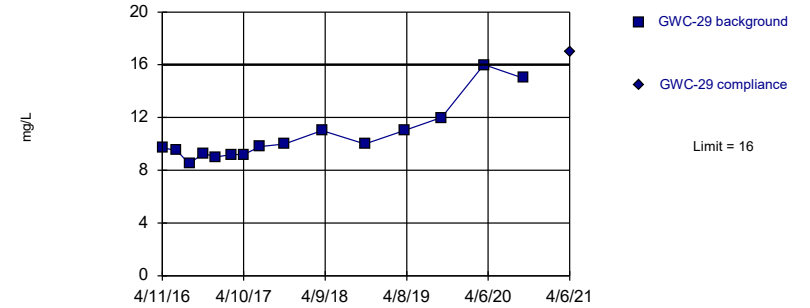


Background Data Summary: Mean=14.17, Std. Dev.=0.6715, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8453, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

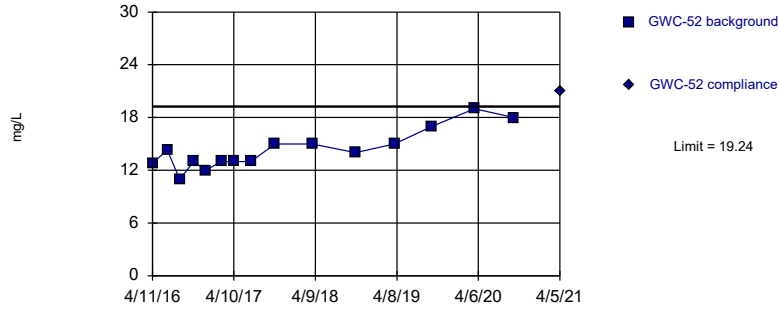
Exceeds Limit

Prediction Limit
Intrawell Non-parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric

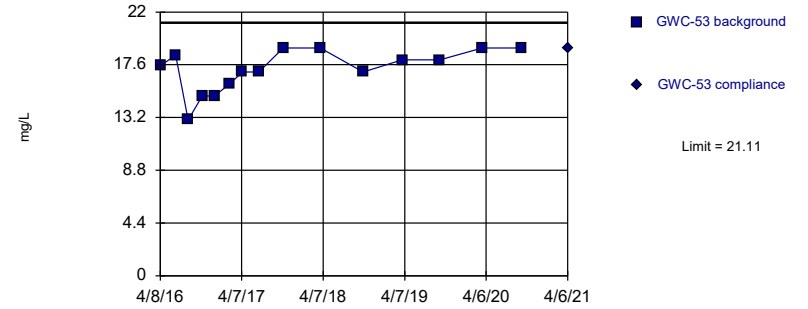


Background Data Summary: Mean=14.34, Std. Dev.=2.233, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9238, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

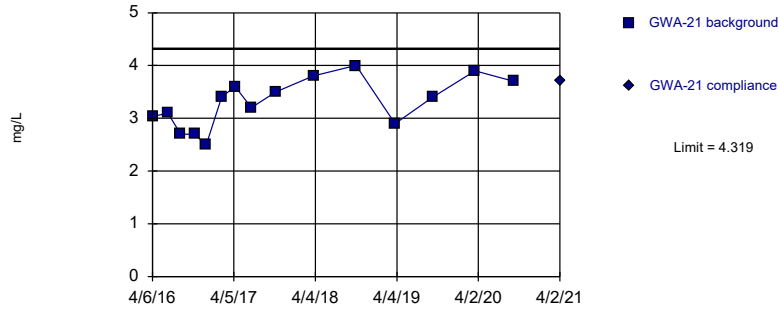


Background Data Summary: Mean=17.19, Std. Dev.=1.786, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Calcium, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

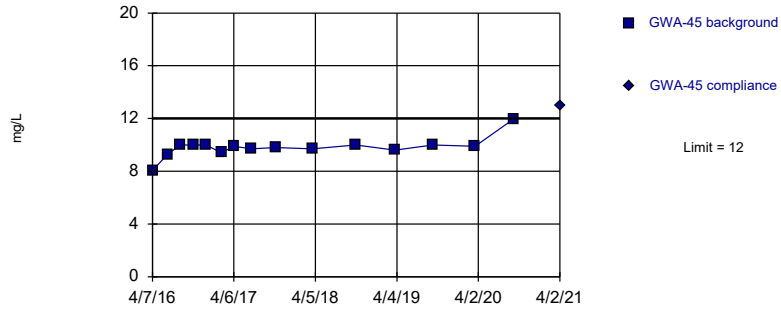
Within Limit

Prediction Limit
Intrawell Parametric



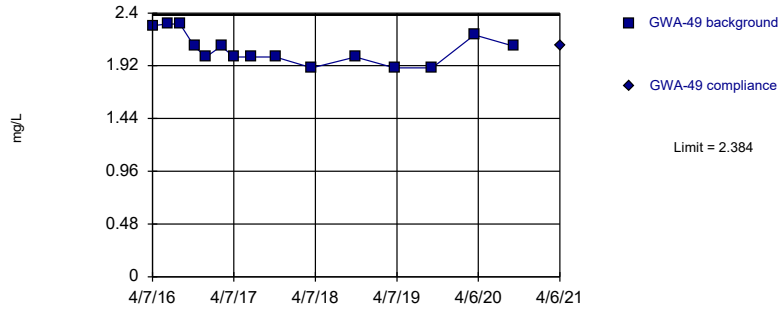
Exceeds Limit

Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit
Intrawell Parametric

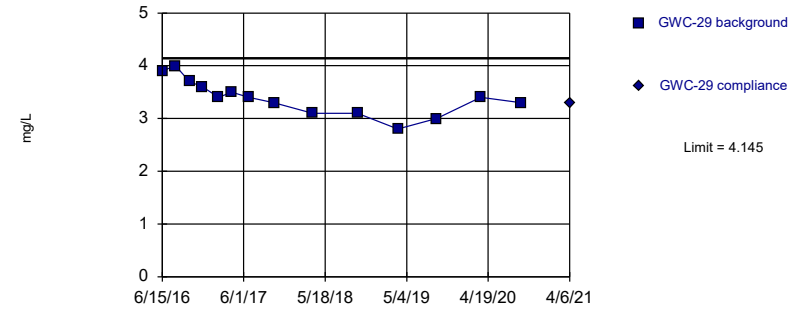


Background Data Summary: Mean=2.072, Std. Dev.=0.1421, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.879, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Chloride, Total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

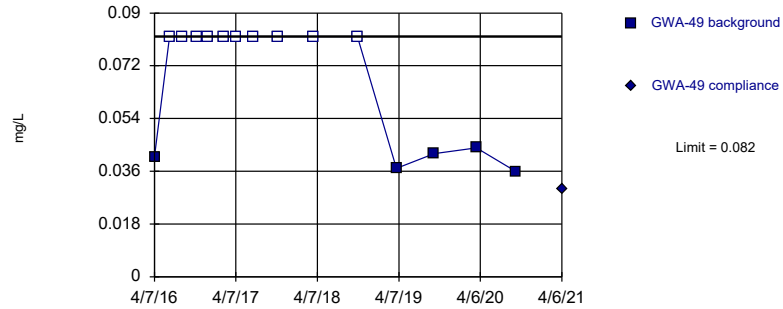
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

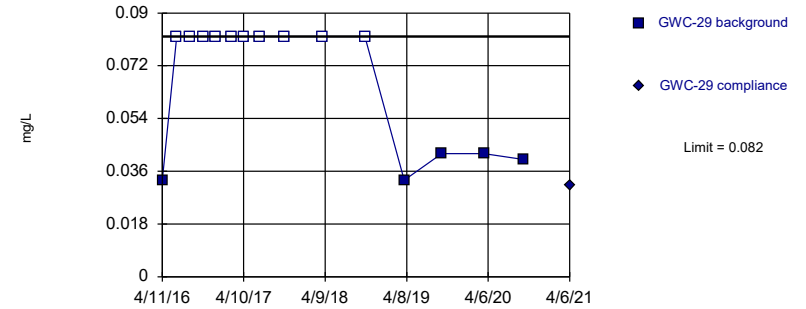


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

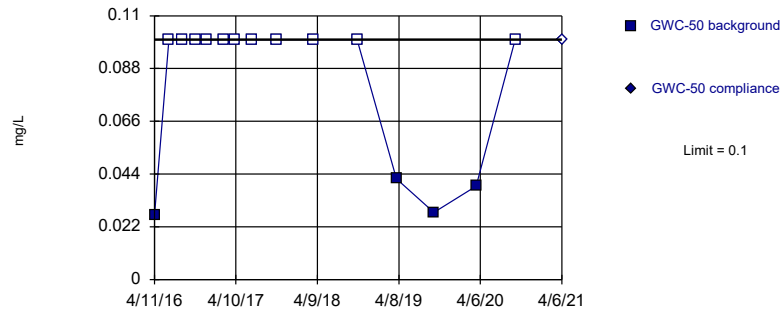


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

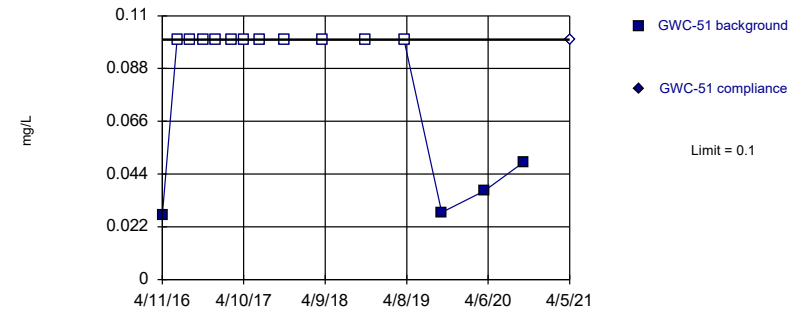


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

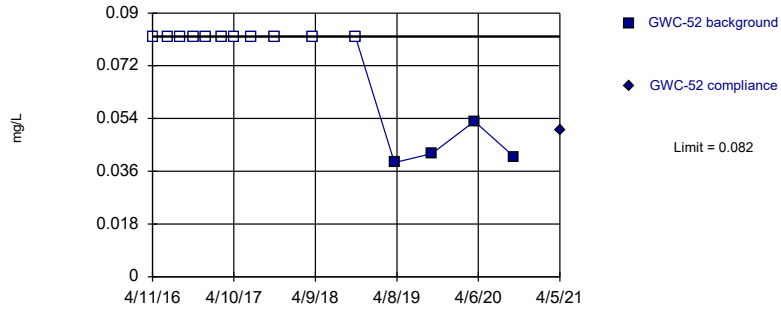


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

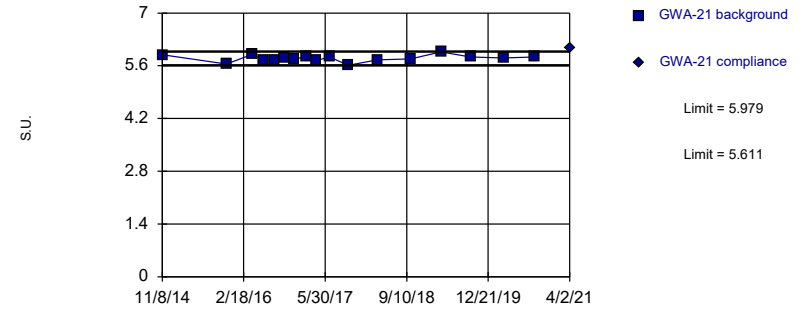


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Fluoride, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit
 Intrawell Parametric

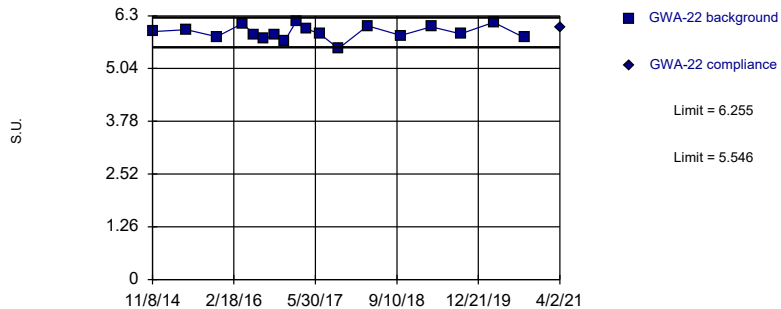


Background Data Summary: Mean=5.795, Std. Dev.=0.08654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
 Intrawell Parametric

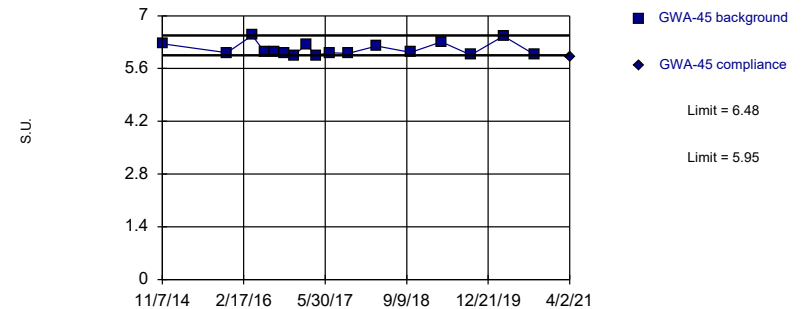


Background Data Summary: Mean=5.901, Std. Dev.=0.1685, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit
 Intrawell Non-parametric

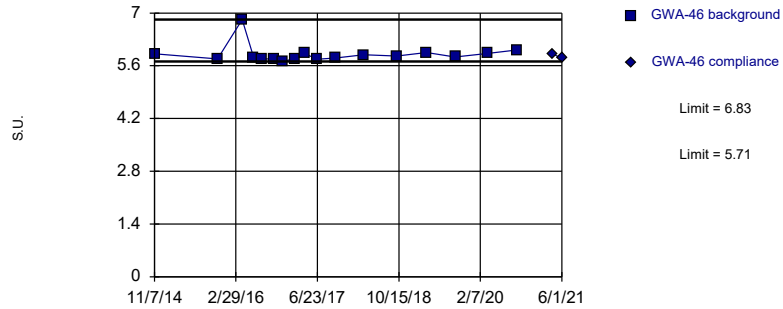


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

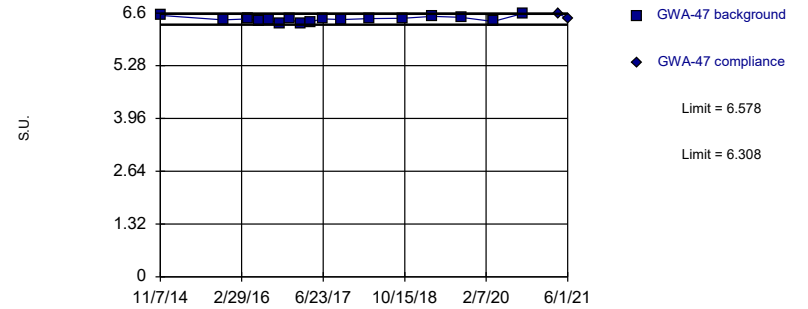


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 17 background values. Well-constituent pair annual alpha = 0.02359. Individual comparison alpha = 0.01183 (1 of 2).

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

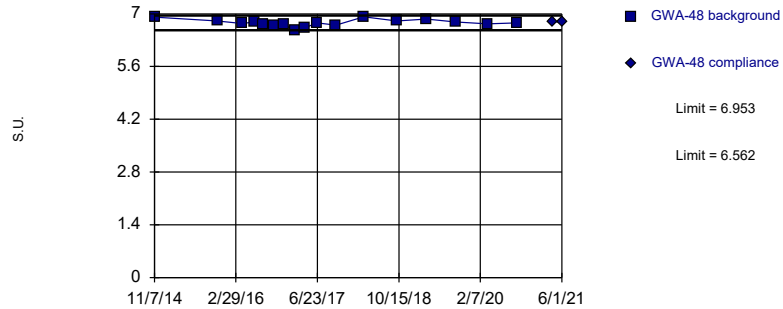


Background Data Summary: Mean=6.443, Std. Dev.=0.06488, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9705, critical = 0.863. Kappa = 2.081 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

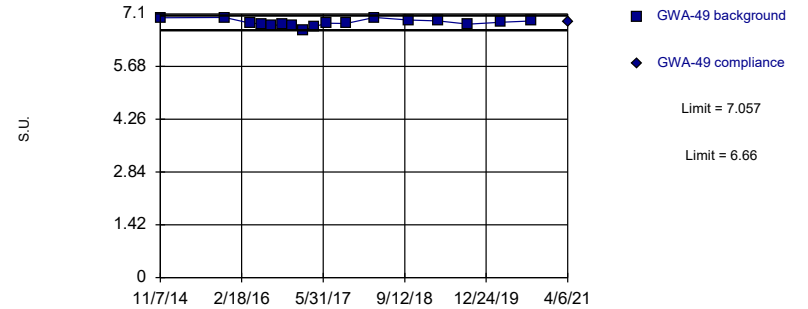


Background Data Summary: Mean=6.758, Std. Dev.=0.09196, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9653, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

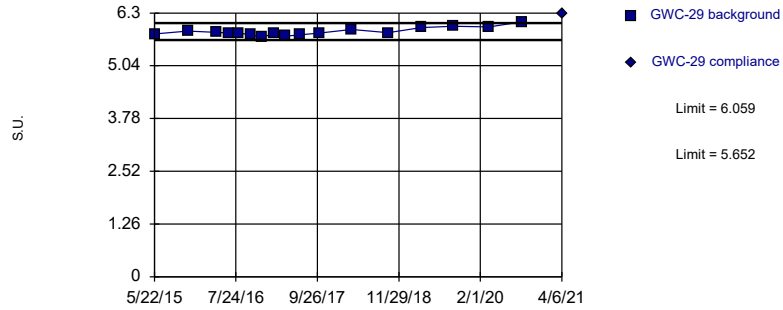


Background Data Summary: Mean=6.858, Std. Dev.=0.09329, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9581, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

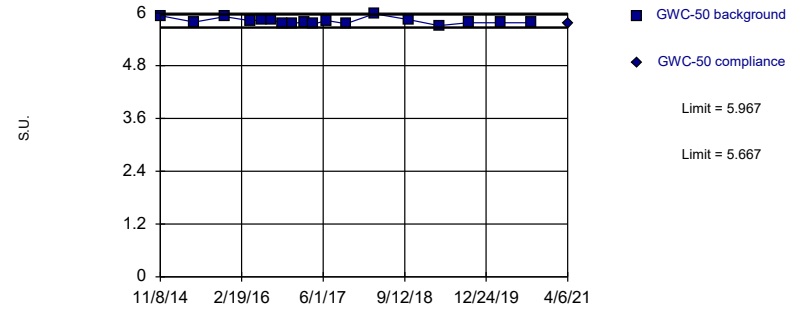


Background Data Summary: Mean=5.855, Std. Dev.=0.09566, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

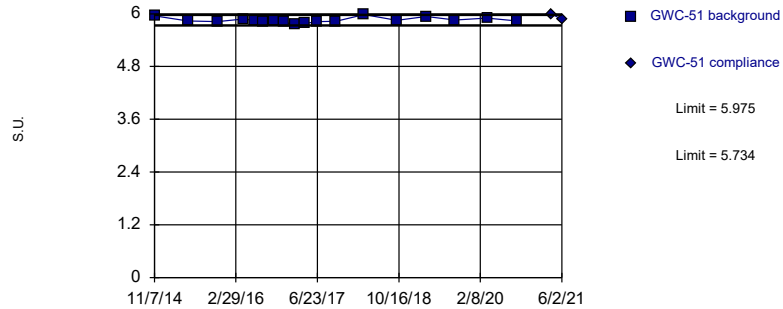


Background Data Summary: Mean=5.817, Std. Dev.=0.07136, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9175, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

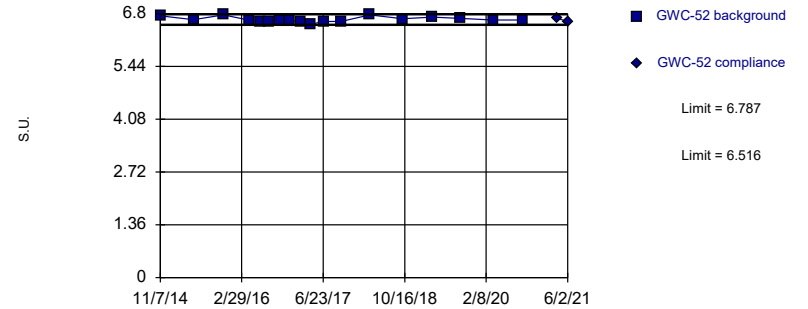


Background Data Summary: Mean=5.854, Std. Dev.=0.05721, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

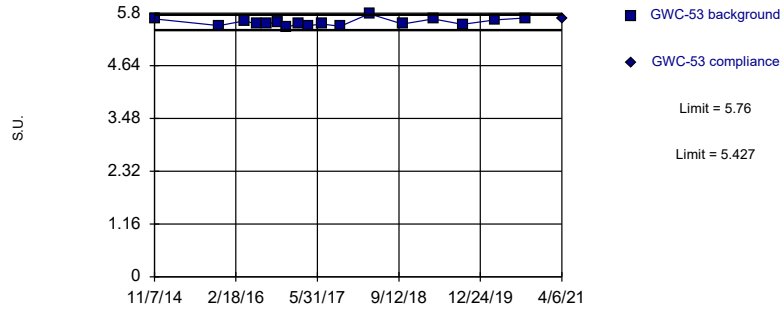


Background Data Summary: Mean=6.652, Std. Dev.=0.06447, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9303, critical = 0.858. Kappa = 2.104 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Intrawell Parametric

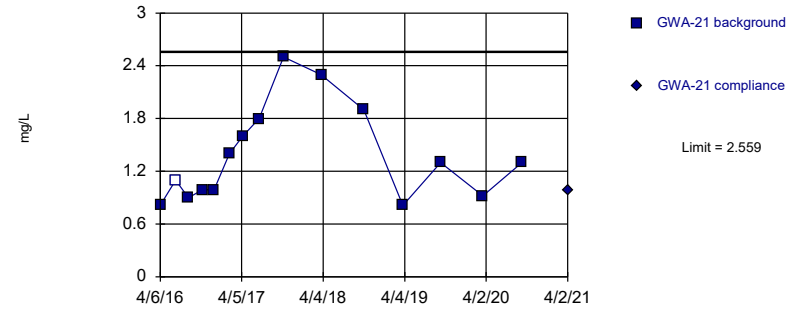


Background Data Summary: Mean=5.594, Std. Dev.=0.07834, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9342, critical = 0.851. Kappa = 2.127 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: pH Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

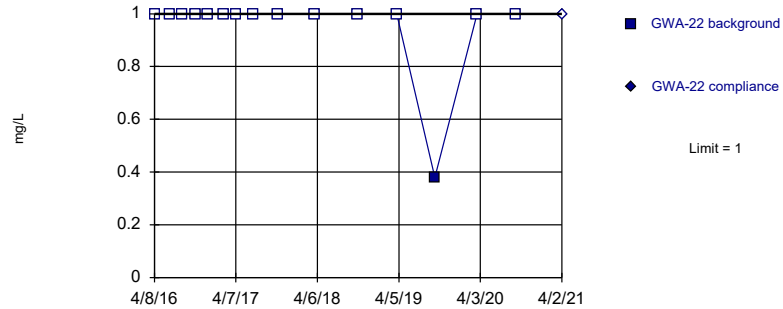


Background Data Summary: Mean=1.375, Std. Dev.=0.5398, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

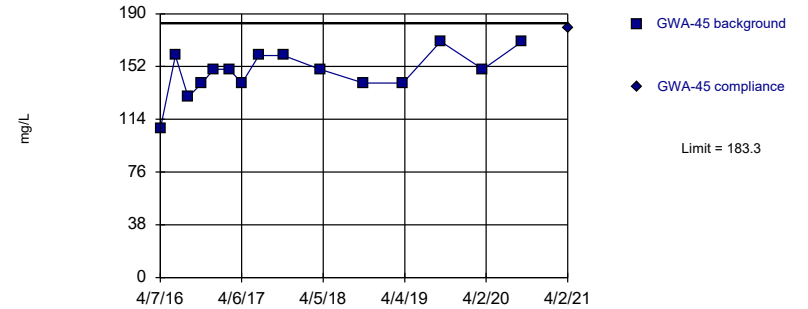


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

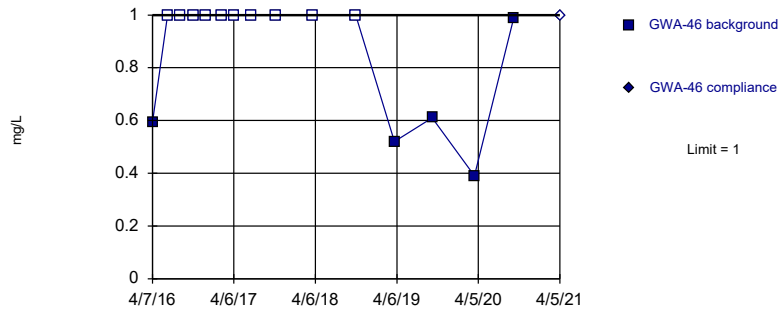


Background Data Summary: Mean=147.8, Std. Dev.=16.19, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

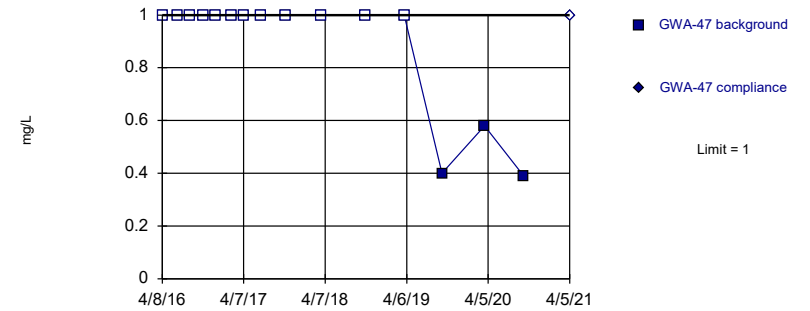


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

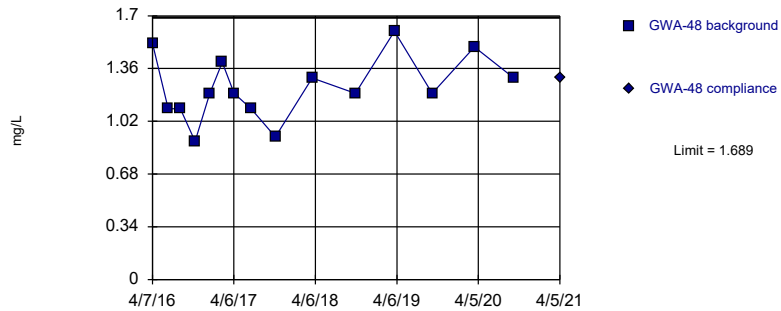


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:54 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

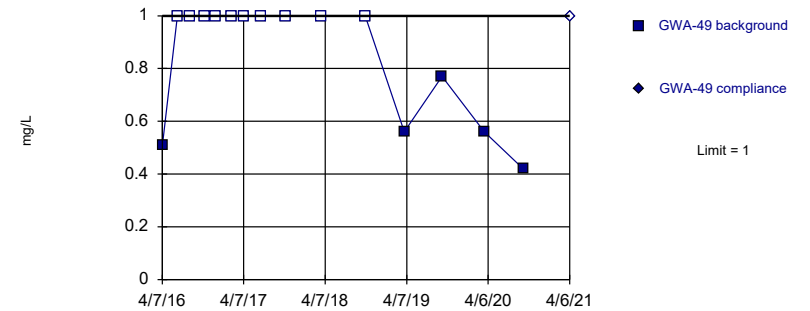


Background Data Summary: Mean=1.235, Std. Dev.=0.2069, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9553, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

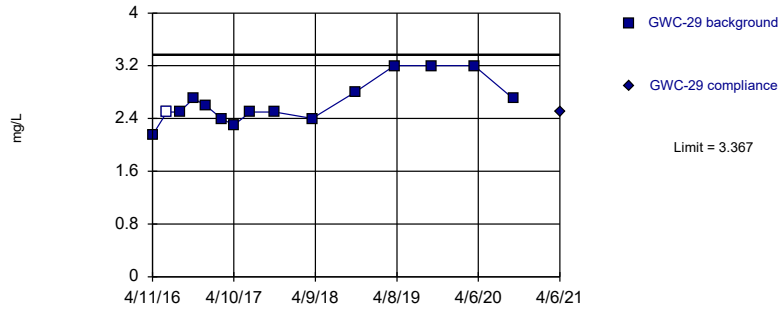


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01501. Individual comparison alpha = 0.007533 (1 of 2).

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

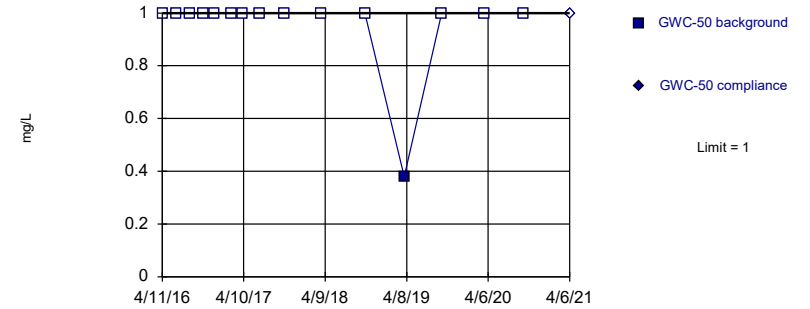


Background Data Summary: Mean=2.643, Std. Dev.=0.33, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8858, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Sulfate, total Analysis Run 6/23/2021 4:55 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

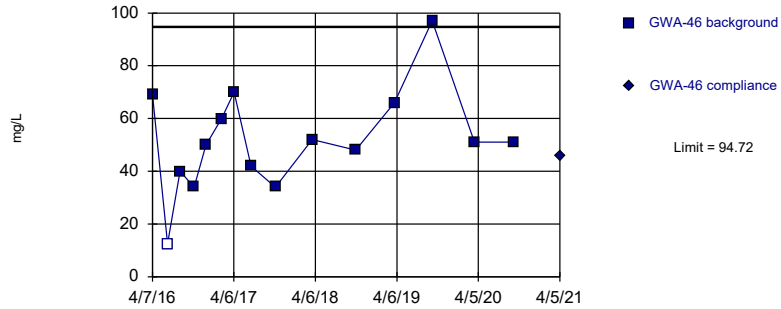
Within Limit

Prediction Limit
Intrawell Non-parametric



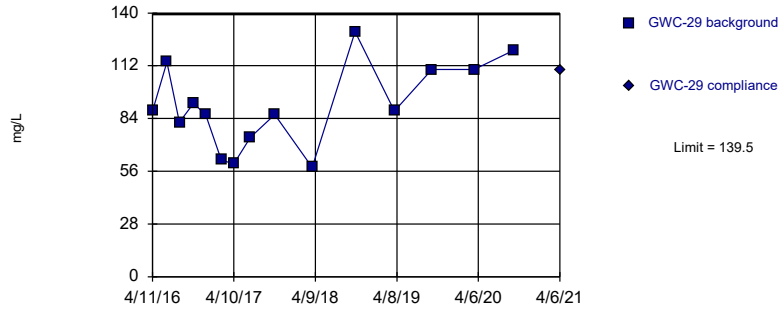
Within Limit

Prediction Limit
 Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

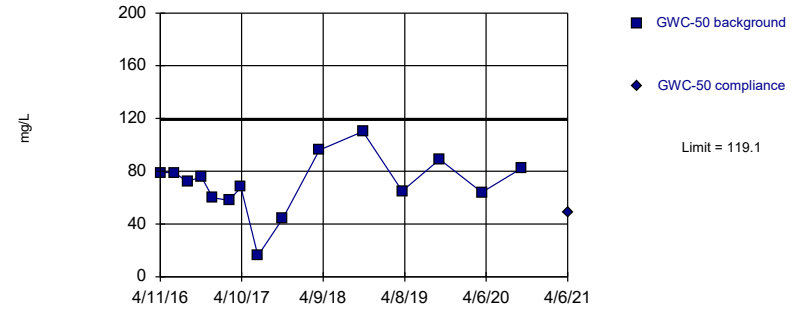


Background Data Summary: Mean=90.67, Std. Dev.=22.27, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9465, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Intrawell Parametric

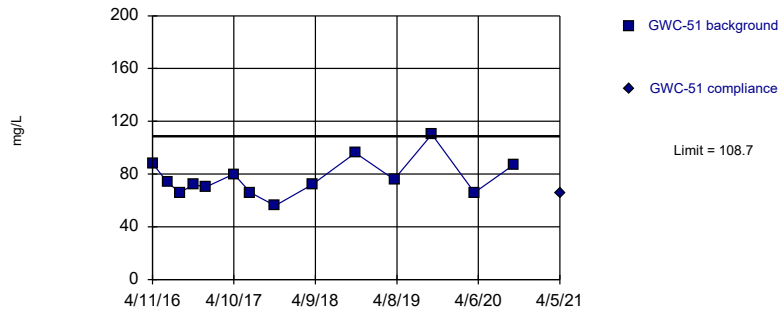


Background Data Summary: Mean=70.53, Std. Dev.=22.17, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9554, critical = 0.835. Kappa = 2.193 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Total Dissolved Solids [TDS] Analysis Run 6/23/2021 4:55 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

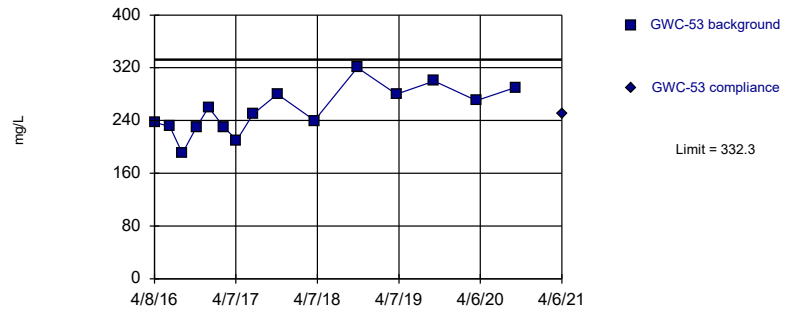
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit Intrawell Parametric



Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	<0.08	
6/14/2016	0.0012 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/2/2016	<0.08	
2/10/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/9/2017	<0.08	
3/26/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	0.053	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/2/2021		<0.08

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	0.0657 (J)	
6/14/2016	0.12	
8/9/2016	0.22	
10/10/2016	0.52	
12/2/2016	0.65	
2/9/2017	0.57	
4/7/2017	0.5	
6/22/2017	0.48	
10/10/2017	0.79	
3/22/2018	0.66	
10/3/2018	0.89	
3/27/2019	0.74	
9/12/2019	0.91	
3/19/2020	0.86	
9/11/2020	1	
4/2/2021		1.1

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.08	
6/14/2016	0.00079 (J)	
8/9/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/10/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/22/2018	<0.08	
10/5/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/20/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		<0.08

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	<0.08	
6/17/2016	<0.08	
8/10/2016	<0.08	
10/14/2016	<0.08	
12/19/2016	<0.08	
2/13/2017	<0.08	
4/7/2017	<0.08	
6/22/2017	<0.08	
10/10/2017	<0.08	
3/23/2018	<0.08	
10/3/2018	<0.08	
3/27/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/11/2020	<0.08	
4/5/2021		0.044 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	<0.08	
6/15/2016	0.0021 (J)	
8/10/2016	<0.08	
10/11/2016	<0.08	
12/5/2016	<0.08	
2/13/2017	<0.08	
4/10/2017	<0.08	
6/23/2017	<0.08	
10/10/2017	<0.08	
3/26/2018	<0.08	
10/4/2018	<0.08	
3/28/2019	<0.08	
9/12/2019	<0.08	
3/19/2020	<0.08	
9/10/2020	<0.08	
4/6/2021		<0.08

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	0.824	
6/16/2016	0.8 (J)	
8/11/2016	0.97	
10/13/2016	0.94	
12/6/2016	1	
2/13/2017	0.97	
4/11/2017	0.88	
6/24/2017	0.87	
10/11/2017	1.1	
3/26/2018	0.91	
10/4/2018	0.92	
3/28/2019	0.97	
9/12/2019	0.94	
3/19/2020	1	
9/11/2020	0.97	
4/6/2021		0.97

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	9.27	
6/14/2016	8.2	
8/10/2016	6.9	
10/11/2016	7.6	
12/2/2016	7.4	
2/10/2017	11	
4/10/2017	9.7	
6/23/2017	9.2	
10/9/2017	9.4	
3/26/2018	9.3	
10/3/2018	7.8	
3/27/2019	9.5	
9/12/2019	8.8	
3/19/2020	11	
9/10/2020	8.2	
4/2/2021		9.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	8.6	
6/14/2016	6.8	
8/9/2016	6.2	
10/11/2016	6.2	
12/5/2016	5.5	
2/10/2017	7.8	
4/7/2017	7.3	
6/26/2017	6.8	
10/9/2017	5.8	
3/26/2018	8.7	
10/3/2018	6.1	
3/27/2019	7.1	
9/12/2019	6.1	
3/19/2020	9.7	
9/10/2020	5.9	
4/2/2021		9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	38.4	
6/14/2016	32.9	
8/9/2016	29	
10/10/2016	33	
12/2/2016	33	
2/9/2017	42	
4/7/2017	35	
6/22/2017	38	
10/10/2017	40	
3/22/2018	39 (D)	
10/3/2018	41	
3/27/2019	39	
9/12/2019	36	
3/19/2020	45	
9/11/2020	30	
4/2/2021		29

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	6.57	
6/14/2016	5.5	
8/9/2016	4.6	
10/10/2016	5.3	
12/2/2016	5.1	
2/10/2017	5.8	
4/7/2017	5.2	
6/23/2017	5.7	
10/10/2017	5.8	
3/23/2018	6.6	
10/4/2018	5.4	
3/27/2019	6.1	
9/12/2019	5.7	
3/19/2020	6.7	
9/11/2020	5.5	
4/5/2021		7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	10.7	
6/14/2016	11.3	
8/9/2016	9.6	
10/11/2016	11	
12/5/2016	10	
2/10/2017	11	
4/7/2017	10	
6/22/2017	11	
10/10/2017	11	
3/22/2018	11	
10/5/2018	11	
3/27/2019	11	
9/12/2019	12	
3/20/2020	12	
9/11/2020	11	
4/5/2021		13

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	12.6	
6/17/2016	12.4	
8/10/2016	11	
10/14/2016	13	
12/19/2016	11	
2/13/2017	13	
4/7/2017	12	
6/22/2017	13	
10/10/2017	13	
3/23/2018	13	
10/3/2018	12	
3/27/2019	13	
9/12/2019	13	
3/19/2020	14	
9/11/2020	12	
4/5/2021		13

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	15.3	
6/14/2016	14.2	
8/9/2016	13	
10/11/2016	14	
12/2/2016	13	
2/9/2017	14	
4/7/2017	14	
6/22/2017	14	
10/10/2017	15	
3/22/2018	14	
10/3/2018	14	
3/27/2019	15	
9/12/2019	14	
3/19/2020	15	
9/10/2020	14	
4/6/2021		16

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	9.7	
6/15/2016	9.5	
8/10/2016	8.5	
10/11/2016	9.3	
12/5/2016	9	
2/13/2017	9.2	
4/10/2017	9.2	
6/23/2017	9.8	
10/10/2017	10	
3/26/2018	11	
10/4/2018	10	
3/28/2019	11	
9/12/2019	12	
3/19/2020	16	
9/10/2020	15	
4/6/2021		17

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	7.04	
6/15/2016	7.4	
8/10/2016	6.7	
10/11/2016	6.9	
12/2/2016	6.5	
2/13/2017	7.9	
4/7/2017	6.5	
6/22/2017	6.8	
10/10/2017	7.3	
3/23/2018	7.5	
10/4/2018	6.7	
3/28/2019	7.2	
9/12/2019	7.5	
3/19/2020	7.9	
9/10/2020	7.5	
4/6/2021		7.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	6.9	
6/16/2016	7.6	
8/10/2016	5.7	
10/13/2016	6.7	
12/5/2016	6.4	
2/13/2017	6.2	
4/10/2017	6.2	
6/23/2017	6.6	
10/11/2017	6.9	
3/26/2018	7	
10/4/2018	6.4	
3/27/2019	7	
9/12/2019	7.1	
3/19/2020	7.1	
9/11/2020	7	
4/5/2021		8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	12.8	
6/16/2016	14.3	
8/11/2016	11	
10/13/2016	13	
12/5/2016	12	
2/13/2017	13	
4/11/2017	13	
6/24/2017	13	
10/11/2017	15	
3/26/2018	15	
10/4/2018	14	
3/28/2019	15	
9/12/2019	17	
3/19/2020	19	
9/11/2020	18	
4/5/2021		21

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	17.5	
6/16/2016	18.4	
8/11/2016	13	
10/13/2016	15	
12/6/2016	15	
2/13/2017	16	
4/11/2017	17	
6/24/2017	17	
10/11/2017	19	
3/26/2018	19	
10/4/2018	17	
3/28/2019	18	
9/12/2019	18	
3/19/2020	19	
9/11/2020	19	
4/6/2021		19

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	3.034	
6/14/2016	3.1	
8/10/2016	2.7	
10/11/2016	2.7	
12/2/2016	2.5	
2/10/2017	3.4	
4/10/2017	3.6	
6/23/2017	3.2	
10/9/2017	3.5	
3/26/2018	3.8	
10/3/2018	4	
3/27/2019	2.9	
9/12/2019	3.4	
3/19/2020	3.9	
9/10/2020	3.7	
4/2/2021		3.7

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	2.1	
6/14/2016	4.2	
8/9/2016	5	
10/11/2016	3.8	
12/5/2016	3.6	
2/10/2017	2.2	
4/7/2017	2.2	
6/26/2017	3.4	
10/9/2017	3.4	
3/26/2018	1.9 (D)	
10/3/2018	2.9	
3/27/2019	2	
9/12/2019	2.5	
3/19/2020	2.2	
9/10/2020	2.5	
4/2/2021		1.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	8.05	
6/14/2016	9.3	
8/9/2016	10	
10/10/2016	10	
12/2/2016	10	
2/9/2017	9.4	
4/7/2017	9.9	
6/22/2017	9.7	
10/10/2017	9.8	
3/22/2018	9.7 (D)	
10/3/2018	10	
3/27/2019	9.6	
9/12/2019	10	
3/19/2020	9.9	
9/11/2020	12	
4/2/2021		13

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	2.914	
6/14/2016	3.1	
8/9/2016	3.2	
10/10/2016	3	
12/2/2016	3	
2/10/2017	2.7	
4/7/2017	2.9	
6/23/2017	3.3	
10/10/2017	3.5	
3/23/2018	3.6	
10/4/2018	3.9	
3/27/2019	3.7	
9/12/2019	4.3	
3/19/2020	4.5	
9/11/2020	4.7	
4/5/2021		5.3

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	1.57	
6/14/2016	1.7	
8/9/2016	1.5	
10/11/2016	1.6	
12/5/2016	1.5	
2/10/2017	1.5	
4/7/2017	1.4	
6/22/2017	1.4	
10/10/2017	1.4	
3/22/2018	1.3	
10/5/2018	1.4	
3/27/2019	1.2	
9/12/2019	1.4	
3/20/2020	1.7	
9/11/2020	1.6	
4/5/2021		1.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	1.842	
6/17/2016	1.9	
8/10/2016	1.8	
10/14/2016	1.7	
12/19/2016	2.7 (O)	
2/13/2017	1.8	
4/7/2017	1.7	
6/22/2017	1.7	
10/10/2017	1.6	
3/23/2018	1.6	
10/3/2018	1.6	
3/27/2019	1.5	
9/12/2019	1.7	
3/19/2020	1.9	
9/11/2020	1.8	
4/5/2021		2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	2.285	
6/14/2016	2.3	
8/9/2016	2.3	
10/11/2016	2.1	
12/2/2016	2	
2/9/2017	2.1	
4/7/2017	2	
6/22/2017	2	
10/10/2017	2	
3/22/2018	1.9	
10/3/2018	2	
3/27/2019	1.9	
9/12/2019	1.9	
3/19/2020	2.2	
9/10/2020	2.1	
4/6/2021		2.1

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	1.57 (O)	
6/15/2016	3.9	
8/10/2016	4	
10/11/2016	3.7	
12/5/2016	3.6	
2/13/2017	3.4	
4/10/2017	3.5	
6/23/2017	3.4	
10/10/2017	3.3	
3/26/2018	3.1	
10/4/2018	3.1	
3/28/2019	2.8	
9/12/2019	3	
3/19/2020	3.4	
9/10/2020	3.3	
4/6/2021		3.3

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:56 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	2.09	
6/15/2016	2.1	
8/10/2016	2	
10/11/2016	1.9	
12/2/2016	1.9	
2/13/2017	1.9	
4/7/2017	2	
6/22/2017	1.9	
10/10/2017	1.9	
3/23/2018	1.9	
10/4/2018	1.9	
3/28/2019	1.8	
9/12/2019	1.8	
3/19/2020	2.1	
9/10/2020	2.1	
4/6/2021		1.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	2.09 (O)	
6/16/2016	6.3	
8/10/2016	6.9	
10/13/2016	6.5	
12/5/2016	6.6	
2/13/2017	6.7	
4/10/2017	6.7	
6/23/2017	6.6	
10/11/2017	6.5	
3/26/2018	6.6	
10/4/2018	6.9	
3/27/2019	7	
9/12/2019	6.8	
3/19/2020	7.3	
9/11/2020	7.7	
4/5/2021		7.8

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.25 (O)	
6/16/2016	7.4	
8/11/2016	8.3	
10/13/2016	7.8	
12/5/2016	8.1	
2/13/2017	8	
4/11/2017	7.6	
6/24/2017	8.3	
10/11/2017	7.9	
3/26/2018	7.8	
10/4/2018	8.1	
3/28/2019	7.5	
9/12/2019	7.7	
3/19/2020	8.2	
9/11/2020	7.9	
4/5/2021		8.2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	10.065	
6/16/2016	9.4	
8/11/2016	10	
10/13/2016	9.9	
12/6/2016	10	
2/13/2017	10	
4/11/2017	10	
6/24/2017	10	
10/11/2017	10	
3/26/2018	11	
10/4/2018	12	
3/28/2019	12	
9/12/2019	11	
3/19/2020	13	
9/11/2020	12	
4/6/2021		13

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.035 (J)	
6/14/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/10/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.035 (J)	
9/12/2019	0.04 (J)	
3/19/2020	0.059 (J)	
9/10/2020	0.044 (J)	
4/2/2021		0.028 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<0.082	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/10/2017	<0.082	
4/7/2017	<0.082	
6/26/2017	<0.082	
10/9/2017	<0.082	
3/26/2018	<0.082 (D)	
10/3/2018	<0.082	
3/27/2019	0.036 (J)	
9/12/2019	0.043 (J)	
3/19/2020	0.054 (J)	
9/10/2020	0.034 (J)	
4/2/2021		0.032 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	0.035 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/9/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1 (D)	
10/3/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.026 (J)	
3/19/2020	0.041 (J)	
9/11/2020	<0.1	
4/2/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	0.024 (J)	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/10/2016	<0.1	
12/2/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/23/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	0.033 (J)	
9/12/2019	<0.1	
3/19/2020	<0.1	
9/11/2020	<0.1	
4/5/2021		0.039 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<0.1	
6/14/2016	<0.1	
8/9/2016	<0.1	
10/11/2016	<0.1	
12/5/2016	<0.1	
2/10/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/22/2018	<0.1	
10/5/2018	<0.1	
3/27/2019	0.041 (J)	
9/12/2019	0.041 (J)	
3/20/2020	<0.1	
9/11/2020	0.034 (J)	
4/5/2021		0.038 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	0.044 (J)	
6/17/2016	<0.082	
8/10/2016	<0.082	
10/14/2016	<0.082	
12/19/2016	0.1 (J)	
2/13/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/23/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.04 (J)	
9/12/2019	0.044 (J)	
3/19/2020	0.049 (J)	
9/11/2020	0.035 (J)	
4/5/2021		0.031 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.041 (J)	
6/14/2016	<0.082	
8/9/2016	<0.082	
10/11/2016	<0.082	
12/2/2016	<0.082	
2/9/2017	<0.082	
4/7/2017	<0.082	
6/22/2017	<0.082	
10/10/2017	<0.082	
3/22/2018	<0.082	
10/3/2018	<0.082	
3/27/2019	0.037 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.044 (J)	
9/10/2020	0.036 (J)	
4/6/2021		0.03 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	0.033 (J)	
6/15/2016	<0.082	
8/10/2016	<0.082	
10/11/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/10/2017	<0.082	
6/23/2017	<0.082	
10/10/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.033 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.042 (J)	
9/10/2020	0.04 (J)	
4/6/2021		0.031 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	0.027 (J)	
6/15/2016	<0.1	
8/10/2016	<0.1	
10/11/2016	<0.1	
12/2/2016	<0.1	
2/13/2017	<0.1	
4/7/2017	<0.1	
6/22/2017	<0.1	
10/10/2017	<0.1	
3/23/2018	<0.1	
10/4/2018	<0.1	
3/28/2019	0.042 (J)	
9/12/2019	0.028 (J)	
3/19/2020	0.039 (J)	
9/10/2020	<0.1	
4/6/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.027 (J)	
6/16/2016	<0.1	
8/10/2016	<0.1	
10/13/2016	<0.1	
12/5/2016	<0.1	
2/13/2017	<0.1	
4/10/2017	<0.1	
6/23/2017	<0.1	
10/11/2017	<0.1	
3/26/2018	<0.1	
10/4/2018	<0.1	
3/27/2019	<0.1	
9/12/2019	0.028 (J)	
3/19/2020	0.037 (J)	
9/11/2020	0.049 (J)	
4/5/2021		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<0.082	
6/16/2016	<0.082	
8/11/2016	<0.082	
10/13/2016	<0.082	
12/5/2016	<0.082	
2/13/2017	<0.082	
4/11/2017	<0.082	
6/24/2017	<0.082	
10/11/2017	<0.082	
3/26/2018	<0.082	
10/4/2018	<0.082	
3/28/2019	0.039 (J)	
9/12/2019	0.042 (J)	
3/19/2020	0.053 (J)	
9/11/2020	0.041 (J)	
4/5/2021		0.05 (J)

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
11/8/2014	5.89	
11/13/2015	5.65	
4/6/2016	5.9 (D)	
6/14/2016	5.75	
8/10/2016	5.75	
10/11/2016	5.8	
12/2/2016	5.78	
2/10/2017	5.83	
4/10/2017	5.74	
6/26/2017	5.83	
10/9/2017	5.61	
3/26/2018	5.76	
10/3/2018	5.78	
3/27/2019	5.97	
9/12/2019	5.83	
3/19/2020	5.81	
9/10/2020	5.83	
4/2/2021		6.06

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
11/8/2014	5.92	
5/21/2015	5.97	
11/13/2015	5.8	
4/8/2016	6.12	
6/14/2016	5.84	
8/9/2016	5.75	
10/11/2016	5.84	
12/5/2016	5.7	
2/10/2017	6.17	
4/7/2017	5.99	
6/26/2017	5.87	
10/9/2017	5.52	
3/26/2018	6.06	
10/3/2018	5.83	
3/27/2019	6.04	
9/12/2019	5.87	
3/19/2020	6.14	
9/10/2020	5.78	
4/2/2021		6.03

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
11/7/2014	6.26	
11/13/2015	6.02	
4/7/2016	6.48	
6/14/2016	6.05	
8/9/2016	6.05	
10/10/2016	6.02	
12/2/2016	5.95	
2/9/2017	6.24	
4/7/2017	5.95	
6/22/2017	6.02	
10/10/2017	6	
3/22/2018	6.2	
10/3/2018	6.03	
3/27/2019	6.31	
9/13/2019	5.96	
3/19/2020	6.46	
9/11/2020	5.98	
4/2/2021		5.92

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
11/7/2014	5.92	
11/13/2015	5.78	
4/7/2016	6.83	
6/14/2016	5.82	
8/1/2016	5.78	
10/10/2016	5.78	
12/2/2016	5.71	
2/10/2017	5.79	
4/7/2017	5.93	
6/23/2017	5.77	
10/10/2017	5.81	
3/23/2018	5.89	
10/4/2018	5.86	
3/27/2019	5.95	
9/12/2019	5.83	
3/19/2020	5.93	
9/11/2020	6.02	
4/5/2021		5.92
6/1/2021		5.8

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
11/7/2014	6.54	
11/12/2015	6.43	
4/7/2016	6.45 (D)	
4/8/2016	6.45	
6/14/2016	6.4	
8/9/2016	6.43	
10/11/2016	6.34	
12/5/2016	6.46	
2/10/2017	6.33	
4/7/2017	6.38	
6/22/2017	6.45	
10/10/2017	6.44	
3/22/2018	6.46	
10/5/2018	6.47	
3/27/2019	6.52	
9/12/2019	6.49	
3/19/2020	6.39	
3/20/2020	6.39	
9/11/2020	6.59	
4/5/2021		6.59
6/1/2021		6.46

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
11/7/2014	6.91	
11/12/2015	6.81	
4/7/2016	6.74	
6/17/2016	6.78	
8/10/2016	6.73	
10/14/2016	6.7	
12/5/2016	6.71	
2/13/2017	6.56	
4/7/2017	6.62	
6/22/2017	6.76	
10/10/2017	6.7	
3/23/2018	6.92	
10/3/2018	6.81	
3/27/2019	6.86	
9/12/2019	6.78	
3/19/2020	6.73	
9/11/2020	6.76	
4/5/2021		6.78
6/1/2021		6.78

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
11/7/2014	6.99	
11/12/2015	7	
4/7/2016	6.85	
6/14/2016	6.83	
8/9/2016	6.77	
10/11/2016	6.83	
12/2/2016	6.79	
2/9/2017	6.65	
4/7/2017	6.75	
6/22/2017	6.85	
10/10/2017	6.84	
3/22/2018	7	
10/3/2018	6.93	
3/27/2019	6.91	
9/12/2019	6.82	
3/19/2020	6.87	
9/10/2020	6.91	
4/6/2021		6.87

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
5/22/2015	5.8	
11/13/2015	5.87	
4/11/2016	5.84	
6/15/2016	5.82	
8/10/2016	5.82	
10/11/2016	5.78	
12/5/2016	5.72	
2/13/2017	5.81	
4/10/2017	5.75	
6/23/2017	5.78	
10/10/2017	5.82	
3/26/2018	5.91	
10/4/2018	5.83	
3/28/2019	5.95	
9/12/2019	5.98	
3/19/2020	5.97	
9/10/2020	6.09	
4/6/2021		6.3

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
11/8/2014	5.94	
5/22/2015	5.79	
11/13/2015	5.92	
4/11/2016	5.82	
6/15/2016	5.85	
8/10/2016	5.85	
10/11/2016	5.76	
12/2/2016	5.76	
2/13/2017	5.8	
4/7/2017	5.75	
6/22/2017	5.83	
10/10/2017	5.76	
3/23/2018	5.98	
10/4/2018	5.85	
3/28/2019	5.71	
9/13/2019	5.78	
3/19/2020	5.78	
9/10/2020	5.78	
4/6/2021		5.76

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
11/7/2014	5.95	
5/22/2015	5.84	
5/25/2015	8.36 (o)	
11/13/2015	5.82	
4/11/2016	5.88	
6/16/2016	5.85	
8/10/2016	5.83	
10/13/2016	5.84	
12/5/2016	5.81	
2/13/2017	5.76	
4/10/2017	5.78	
6/23/2017	5.82	
10/11/2017	5.83	
3/26/2018	5.98	
10/4/2018	5.85	
3/27/2019	5.94	
9/12/2019	5.86	
3/19/2020	5.9	
9/11/2020	5.84	
4/5/2021		5.99
6/2/2021		5.87

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
11/7/2014	6.75	
5/22/2015	6.65	
5/25/2015	7.63 (o)	
11/13/2015	6.77	
4/11/2016	6.64	
6/16/2016	6.6	
8/11/2016	6.61	
10/13/2016	6.64	
12/5/2016	6.63	
2/13/2017	6.59	
4/11/2017	6.53	
6/26/2017	6.6	
10/11/2017	6.61	
3/26/2018	6.77	
10/4/2018	6.67	
3/28/2019	6.71	
9/12/2019	6.68	
3/19/2020	6.64	
9/11/2020	6.64	
4/5/2021		6.68
6/2/2021		6.6

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
11/7/2014	5.67	
5/25/2015	7.725 (oD)	
11/13/2015	5.52	
4/8/2016	5.63	
6/16/2016	5.56	
8/11/2016	5.56	
10/13/2016	5.61	
12/6/2016	5.48	
2/13/2017	5.57	
4/11/2017	5.52	
6/26/2017	5.56	
10/11/2017	5.51	
3/26/2018	5.78	
10/4/2018	5.56	
3/28/2019	5.67	
9/13/2019	5.55	
3/19/2020	5.65	
9/11/2020	5.69	
4/6/2021		5.67

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	0.813 (J)	
6/14/2016	<1.1	
8/10/2016	0.9 (J)	
10/11/2016	0.99 (J)	
12/2/2016	0.99 (J)	
2/10/2017	1.4	
4/10/2017	1.6	
6/23/2017	1.8	
10/9/2017	2.5	
3/26/2018	2.3	
10/3/2018	1.9	
3/27/2019	0.81 (J)	
9/12/2019	1.3	
3/19/2020	0.92 (J)	
9/10/2020	1.3	
4/2/2021		0.99 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/26/2017	<1	
10/9/2017	<1	
3/26/2018	<1 (D)	
10/3/2018	<1	
3/27/2019	<1	
9/12/2019	0.38 (J)	
3/19/2020	<1	
9/10/2020	<1	
4/2/2021		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	107.095	
6/14/2016	160	
8/9/2016	130	
10/10/2016	140	
12/2/2016	150	
2/9/2017	150	
4/7/2017	140	
6/22/2017	160	
10/10/2017	160	
3/22/2018	150 (D)	
10/3/2018	140	
3/27/2019	140	
9/12/2019	170	
3/19/2020	150	
9/11/2020	170	
4/2/2021		180

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	0.594 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/10/2016	<1	
12/2/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/23/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/27/2019	0.52 (J)	
9/12/2019	0.61 (J)	
3/19/2020	0.39 (J)	
9/11/2020	0.99 (J)	
4/5/2021		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	<1	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/5/2016	<1	
2/10/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/5/2018	<1	
3/27/2019	<1	
9/12/2019	0.4 (J)	
3/20/2020	0.58 (J)	
9/11/2020	0.39 (J)	
4/5/2021		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	1.522	
6/17/2016	1.1	
8/10/2016	1.1	
10/14/2016	0.89 (J)	
12/19/2016	1.2	
2/13/2017	1.4	
4/7/2017	1.2	
6/22/2017	1.1	
10/10/2017	0.92 (J)	
3/23/2018	1.3	
10/3/2018	1.2	
3/27/2019	1.6	
9/12/2019	1.2	
3/19/2020	1.5	
9/11/2020	1.3	
4/5/2021		1.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	0.507 (J)	
6/14/2016	<1	
8/9/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/9/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/22/2018	<1	
10/3/2018	<1	
3/27/2019	0.56 (J)	
9/12/2019	0.77 (J)	
3/19/2020	0.56 (J)	
9/10/2020	0.42 (J)	
4/6/2021		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	2.15	
6/15/2016	<2.5	
8/10/2016	2.5	
10/11/2016	2.7	
12/5/2016	2.6	
2/13/2017	2.4	
4/10/2017	2.3	
6/23/2017	2.5	
10/10/2017	2.5	
3/26/2018	2.4	
10/4/2018	2.8	
3/28/2019	3.2	
9/12/2019	3.2	
3/19/2020	3.2	
9/10/2020	2.7	
4/6/2021		2.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	<1	
6/15/2016	<1	
8/10/2016	<1	
10/11/2016	<1	
12/2/2016	<1	
2/13/2017	<1	
4/7/2017	<1	
6/22/2017	<1	
10/10/2017	<1	
3/23/2018	<1	
10/4/2018	<1	
3/28/2019	0.38 (J)	
9/12/2019	<1	
3/19/2020	<1	
9/10/2020	<1	
4/6/2021		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	0.415 (J)	
6/16/2016	<0.7	
8/10/2016	<0.7	
10/13/2016	<0.7	
12/5/2016	<0.7	
2/13/2017	<0.7	
4/10/2017	<0.7	
6/23/2017	<0.7	
10/11/2017	<0.7	
3/26/2018	<0.7	
10/4/2018	<0.7	
3/27/2019	2.7	
9/12/2019	0.65 (J)	
3/19/2020	0.71 (J)	
9/11/2020	2.6	
4/5/2021		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	<1	
6/16/2016	10	
8/11/2016	9.8	
10/13/2016	11	
12/5/2016	13	
2/13/2017	14	
4/11/2017	12	
6/24/2017	12	
10/11/2017	13	
3/26/2018	20	
10/4/2018	23	
3/28/2019		29
9/12/2019		34
3/19/2020		40
9/11/2020		39
4/5/2021		57

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	135.355	
6/16/2016	140	
8/11/2016	130	
10/13/2016	140	
12/6/2016	150	
2/13/2017	160	
4/11/2017	130	
6/24/2017	160	
10/11/2017	160	
3/26/2018	160	
10/4/2018	170	
3/28/2019	170	
9/12/2019	170	
3/19/2020	170	
9/11/2020	160	
4/6/2021		160

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21	GWA-21
4/6/2016	51	
6/14/2016	62	
8/10/2016	70	
10/11/2016	84	
12/2/2016	74	
2/10/2017	100	
4/10/2017	82	
6/23/2017	72	
10/9/2017	82	
3/26/2018	94	
10/3/2018	72	
3/27/2019	98	
9/12/2019	130	
3/19/2020	100	
9/10/2020	110	
4/2/2021		100

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-22	GWA-22
4/8/2016	74	
6/14/2016	111	
8/9/2016	44	
10/11/2016	64	
12/5/2016	52	
2/10/2017	86	
4/7/2017	68	
6/26/2017	76	
10/9/2017	50	
3/26/2018	56	
10/3/2018	42	
3/27/2019	76	
9/12/2019	72	
3/19/2020	65	
9/10/2020	56	
4/2/2021		69

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-45	GWA-45
4/7/2016	237	
6/14/2016	240	
8/9/2016	230	
10/10/2016	240	
12/2/2016	270	
2/9/2017	240	
4/7/2017	260	
6/22/2017	300	
10/10/2017	280	
3/22/2018	310	
10/3/2018	190	
3/27/2019	290	
9/12/2019	340	
3/19/2020	310	
9/11/2020	340	
4/2/2021		360

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-46	GWA-46
4/7/2016	69	
6/14/2016	<25	
8/9/2016	40	
10/10/2016	34	
12/2/2016	50	
2/10/2017	60	
4/7/2017	70	
6/23/2017	42	
10/10/2017	34	
3/23/2018	52	
10/4/2018	48	
3/27/2019	66	
9/12/2019	97	
3/19/2020	51	
9/11/2020	51	
4/5/2021		46

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47	GWA-47
4/8/2016	89	
6/14/2016	55	
8/9/2016	90	
10/11/2016	86	
12/5/2016	74	
2/10/2017	100	
4/7/2017	92	
6/22/2017	64	
10/10/2017	68	
3/22/2018	92	
10/5/2018	90	
3/27/2019	94	
9/12/2019	88	
3/20/2020	99	
9/11/2020	110	
4/5/2021		63

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-48	GWA-48
4/7/2016	100	
6/17/2016	69	
8/10/2016	110	
10/14/2016	100	
12/19/2016	100	
2/13/2017	80	
4/7/2017	86	
6/22/2017	72	
10/10/2017	70	
3/23/2018	86	
10/3/2018	88	
3/27/2019	100	
9/12/2019	110	
3/19/2020	97	
9/11/2020	120	
4/5/2021		99

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-49	GWA-49
4/7/2016	114	
6/14/2016	56 (O)	
8/9/2016	100	
10/11/2016	110	
12/2/2016	94	
2/9/2017	100	
4/7/2017	100	
6/22/2017	110	
10/10/2017	100	
3/22/2018	100	
10/3/2018	96	
3/27/2019	120	
9/12/2019	120	
3/19/2020	110	
9/10/2020	130	
4/6/2021		110

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-29	GWC-29
4/11/2016	88	
6/15/2016	114	
8/10/2016	82	
10/11/2016	92	
12/5/2016	86	
2/13/2017	62	
4/10/2017	60	
6/23/2017	74	
10/10/2017	86	
3/26/2018	58 (J)	
10/4/2018	130	
3/28/2019	88	
9/12/2019	110	
3/19/2020	110	
9/10/2020	120	
4/6/2021		110

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-50	GWC-50
4/11/2016	79	
6/15/2016	79	
8/10/2016	72	
10/11/2016	76	
12/2/2016	60	
2/13/2017	58	
4/7/2017	68	
6/22/2017	16	
10/10/2017	44	
3/23/2018	96	
10/4/2018	110	
3/28/2019	65	
9/12/2019	89	
3/19/2020	64	
9/10/2020	82	
4/6/2021		49

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-51	GWC-51
4/11/2016	88	
6/16/2016	74	
8/10/2016	66	
10/13/2016	72	
12/5/2016	70	
2/13/2017	12 (O)	
4/10/2017	80	
6/23/2017	66	
10/11/2017	56	
3/26/2018	72	
10/4/2018	96	
3/27/2019	76	
9/12/2019	110	
3/19/2020	66	
9/11/2020	87	
4/5/2021		66

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-52	GWC-52
4/11/2016	103	
6/16/2016	117	
8/11/2016	94	
10/13/2016	110	
12/5/2016	130	
2/13/2017	92	
4/11/2017	120	
6/24/2017	120	
10/11/2017	120	
3/26/2018	98	
10/4/2018	190	
3/28/2019	140	
9/12/2019	160	
3/19/2020	160	
9/11/2020	170	
4/5/2021		170

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 6/23/2021 4:57 PM View: Appendix III

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWC-53	GWC-53
4/8/2016	237	
6/16/2016	231	
8/11/2016	190	
10/13/2016	230	
12/6/2016	260	
2/13/2017	230	
4/11/2017	210	
6/24/2017	250	
10/11/2017	280	
3/26/2018	240	
10/4/2018	320	
3/28/2019	280	
9/12/2019	300	
3/19/2020	270	
9/11/2020	290	
4/6/2021		250

FIGURE J.

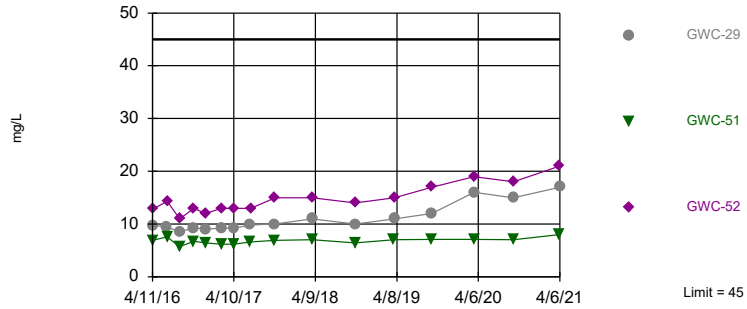
Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	45	n/a	4/6/2021	17	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-51	45	n/a	4/5/2021	8	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-52	45	n/a	4/5/2021	21	No	112	n/a	n/a	0	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-51	13	n/a	4/5/2021	7.8	No	111	n/a	n/a	0	n/a	n/a	0.0001613	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-29	7	5.52	4/6/2021	6.3	No	132	n/a	n/a	0	n/a	n/a	0.0002277	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-52	180	n/a	4/5/2021	57	No	112	n/a	n/a	45.54	n/a	n/a	0.0001584	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

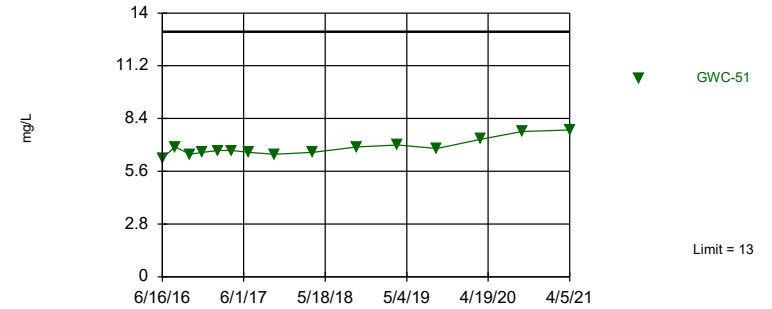


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. Annual per-constituent alpha = 0.001583. Individual comparison alpha = 0.0001584 (1 of 2). Comparing 3 points to limit. Assumes 2 future values.

Constituent: Calcium, total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limit

Prediction Limit
Interwell Non-parametric

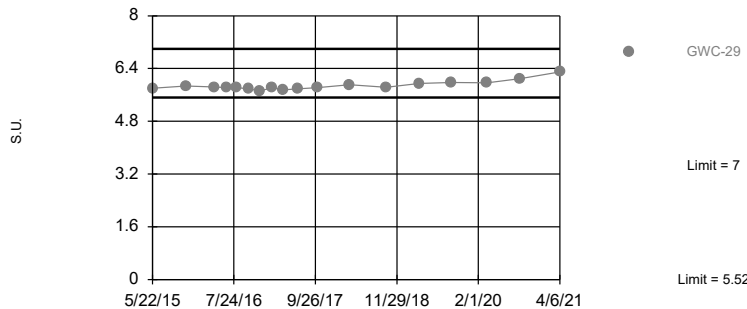


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 111 background values. Annual per-constituent alpha = 0.001612. Individual comparison alpha = 0.0001613 (1 of 2). Assumes 4 future values.

Constituent: Chloride, Total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Within Limits

Prediction Limit
Interwell Non-parametric



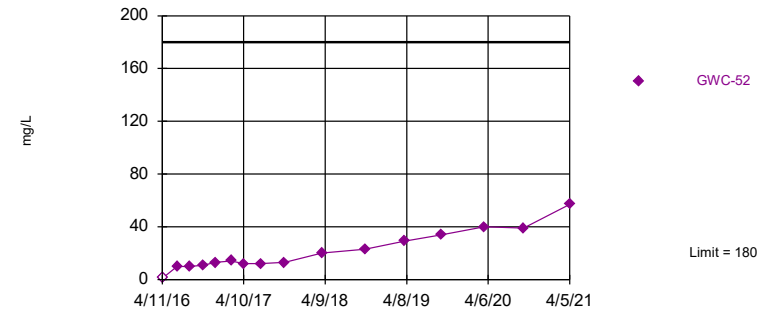
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 132 background values. Annual per-constituent alpha = 0.002276. Individual comparison alpha = 0.0002277 (1 of 2). Assumes 4 future values.

Constituent: pH Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 45.54% NDs. Annual per-constituent alpha = 0.001583. Individual comparison alpha = 0.0001584 (1 of 2). Assumes 4 future values.

Constituent: Sulfate, total Analysis Run 6/21/2021 1:08 PM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-49 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-47 (bg)	GWA-22 (bg)	GWC-51	GWC-29
4/6/2016	9.27								
4/7/2016		15.3	6.57	38.4	12.6				
4/8/2016						10.7	8.6		
4/11/2016								6.9	9.7
6/14/2016	8.2	14.2	5.5	32.9		11.3	6.8		
6/15/2016									9.5
6/16/2016								7.6	
6/17/2016					12.4				
8/9/2016		13	4.6	29		9.6	6.2		
8/10/2016	6.9				11			5.7	8.5
8/11/2016									
10/10/2016			5.3	33					
10/11/2016	7.6	14				11	6.2		9.3
10/13/2016								6.7	
10/14/2016					13				
12/2/2016	7.4	13	5.1	33					
12/5/2016						10	5.5	6.4	9
12/19/2016					11				
2/9/2017		14		42					
2/10/2017	11		5.8			11	7.8		
2/13/2017					13			6.2	9.2
4/7/2017		14	5.2	35	12	10	7.3		
4/10/2017	9.7							6.2	9.2
4/11/2017									
6/22/2017		14		38	13	11			
6/23/2017	9.2		5.7					6.6	9.8
6/24/2017									
6/26/2017							6.8		
10/9/2017	9.4						5.8		
10/10/2017		15	5.8	40	13	11			10
10/11/2017								6.9	
3/22/2018		14		39 (D)		11			
3/23/2018			6.6		13				
3/26/2018	9.3						8.7	7	11
10/3/2018	7.8	14		41	12		6.1		
10/4/2018			5.4					6.4	10
10/5/2018						11			
3/27/2019	9.5	15	6.1	39	13	11	7.1	7	
3/28/2019									11
9/12/2019	8.8	14	5.7	36	13	12	6.1	7.1	12
3/19/2020	11	15	6.7	45	14		9.7	7.1	16
3/20/2020						12			
9/10/2020	8.2	14					5.9		15
9/11/2020			5.5	30	12	11		7	
4/2/2021	9.2			29			9		
4/5/2021			7		13	13		8	
4/6/2021		16							17

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

GWC-52

4/6/2016	
4/7/2016	
4/8/2016	
4/11/2016	12.8
6/14/2016	
6/15/2016	
6/16/2016	14.3
6/17/2016	
8/9/2016	
8/10/2016	
8/11/2016	11
10/10/2016	
10/11/2016	
10/13/2016	13
10/14/2016	
12/2/2016	
12/5/2016	12
12/19/2016	
2/9/2017	
2/10/2017	
2/13/2017	13
4/7/2017	
4/10/2017	
4/11/2017	13
6/22/2017	
6/23/2017	
6/24/2017	13
6/26/2017	
10/9/2017	
10/10/2017	
10/11/2017	15
3/22/2018	
3/23/2018	
3/26/2018	15
10/3/2018	
10/4/2018	14
10/5/2018	
3/27/2019	
3/28/2019	15
9/12/2019	17
3/19/2020	19
3/20/2020	
9/10/2020	
9/11/2020	18
4/2/2021	
4/5/2021	21
4/6/2021	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-46 (bg)	GWA-48 (bg)	GWA-49 (bg)	GWA-45 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-51
4/6/2016	3.034							
4/7/2016		2.914	1.842	2.285	8.05			
4/8/2016						2.1	1.57	
4/11/2016								2.09 (O)
6/14/2016	3.1	3.1		2.3	9.3	4.2	1.7	
6/16/2016								6.3
6/17/2016			1.9					
8/9/2016		3.2		2.3	10	5	1.5	
8/10/2016	2.7		1.8					6.9
10/10/2016		3			10			
10/11/2016	2.7			2.1		3.8	1.6	
10/13/2016								6.5
10/14/2016			1.7					
12/2/2016	2.5	3		2	10			
12/5/2016						3.6	1.5	6.6
12/19/2016			2.7 (O)					
2/9/2017				2.1	9.4			
2/10/2017	3.4	2.7				2.2	1.5	
2/13/2017			1.8					6.7
4/7/2017		2.9	1.7	2	9.9	2.2	1.4	
4/10/2017	3.6							6.7
6/22/2017			1.7	2	9.7		1.4	
6/23/2017	3.2	3.3						6.6
6/26/2017						3.4		
10/9/2017	3.5					3.4		
10/10/2017		3.5	1.6	2	9.8		1.4	
10/11/2017								6.5
3/22/2018				1.9	9.7 (D)		1.3	
3/23/2018		3.6	1.6					
3/26/2018	3.8					1.9 (D)		6.6
10/3/2018	4		1.6	2	10	2.9		
10/4/2018		3.9						6.9
10/5/2018							1.4	
3/27/2019	2.9	3.7	1.5	1.9	9.6	2	1.2	7
9/12/2019	3.4	4.3	1.7	1.9	10	2.5	1.4	6.8
3/19/2020	3.9	4.5	1.9	2.2	9.9	2.2		7.3
3/20/2020							1.7	
9/10/2020	3.7			2.1		2.5		
9/11/2020		4.7	1.8		12		1.6	7.7
4/2/2021	3.7				13	1.8		
4/5/2021		5.3	2				1.8	7.8
4/6/2021				2.1				

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-47 (bg)	GWA-49 (bg)	GWA-48 (bg)	GWA-46 (bg)	GWA-45 (bg)	GWA-22 (bg)	GWA-21 (bg)	GWC-29
11/7/2014	6.54	6.99	6.91	5.92	6.26			
11/8/2014						5.92	5.89	
5/21/2015						5.97		
5/22/2015								5.8
11/12/2015	6.43	7	6.81					
11/13/2015				5.78	6.02	5.8	5.65	5.87
4/6/2016							5.9 (D)	
4/7/2016	6.45 (D)	6.85	6.74	6.83	6.48			
4/8/2016	6.45					6.12		
4/11/2016								5.84
6/14/2016	6.4	6.83		5.82	6.05	5.84	5.75	
6/15/2016								5.82
6/17/2016			6.78					
8/1/2016				5.78				
8/9/2016	6.43	6.77			6.05	5.75		
8/10/2016			6.73				5.75	5.82
10/10/2016				5.78	6.02			
10/11/2016	6.34	6.83				5.84	5.8	5.78
10/14/2016			6.7					
12/2/2016		6.79		5.71	5.95		5.78	
12/5/2016	6.46		6.71			5.7		5.72
2/9/2017		6.65			6.24			
2/10/2017	6.33			5.79		6.17	5.83	
2/13/2017			6.56					5.81
4/7/2017	6.38	6.75	6.62	5.93	5.95	5.99		
4/10/2017							5.74	5.75
6/22/2017	6.45	6.85	6.76		6.02			
6/23/2017				5.77				5.78
6/26/2017						5.87	5.83	
10/9/2017						5.52	5.61	
10/10/2017	6.44	6.84	6.7	5.81	6			5.82
3/22/2018	6.46	7			6.2			
3/23/2018			6.92	5.89				
3/26/2018						6.06	5.76	5.91
10/3/2018		6.93	6.81		6.03	5.83	5.78	
10/4/2018				5.86				5.83
10/5/2018	6.47							
3/27/2019	6.52	6.91	6.86	5.95	6.31	6.04	5.97	
3/28/2019								5.95
9/12/2019	6.49	6.82	6.78	5.83		5.87	5.83	5.98
9/13/2019					5.96			
3/19/2020	6.39	6.87	6.73	5.93	6.46	6.14	5.81	5.97
3/20/2020	6.39							
9/10/2020		6.91				5.78	5.83	6.09
9/11/2020	6.59		6.76	6.02	5.98			
4/2/2021					5.92	6.03	6.06	
4/5/2021	6.59		6.78	5.92				
4/6/2021		6.87						6.3
6/1/2021	6.46		6.78	5.8				

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 6/21/2021 1:09 PM View: Appendix III - Interwell

Plant Scherer Client: Southern Company Data: Scherer PAC CCR

	GWA-21 (bg)	GWA-46 (bg)	GWA-49 (bg)	GWA-45 (bg)	GWA-48 (bg)	GWA-22 (bg)	GWA-47 (bg)	GWC-52
4/6/2016	0.813 (J)							
4/7/2016		0.594 (J)	0.507 (J)	107.095	1.522			
4/8/2016						<1	<1	
4/11/2016								<1
6/14/2016	<1	<1	<1	160		<1	<1	
6/16/2016								10
6/17/2016					1.1			
8/9/2016		<1	<1	130		<1	<1	
8/10/2016	0.9 (J)				1.1			
8/11/2016								9.8
10/10/2016		<1		140				
10/11/2016	0.99 (J)		<1			<1	<1	
10/13/2016								11
10/14/2016					0.89 (J)			
12/2/2016	0.99 (J)	<1	<1	150				
12/5/2016						<1	<1	13
12/19/2016					1.2			
2/9/2017			<1	150				
2/10/2017	1.4	<1				<1	<1	
2/13/2017					1.4			14
4/7/2017		<1	<1	140	1.2	<1	<1	
4/10/2017	1.6							
4/11/2017								12
6/22/2017			<1	160	1.1		<1	
6/23/2017	1.8	<1						
6/24/2017								12
6/26/2017						<1		
10/9/2017	2.5					<1		
10/10/2017		<1	<1	160	0.92 (J)		<1	
10/11/2017								13
3/22/2018			<1	150 (D)			<1	
3/23/2018		<1			1.3			
3/26/2018	2.3					<1 (D)		20
10/3/2018	1.9		<1	140	1.2	<1		
10/4/2018		<1						23
10/5/2018							<1	
3/27/2019	0.81 (J)	0.52 (J)	0.56 (J)	140	1.6	<1	<1	
3/28/2019								29
9/12/2019	1.3	0.61 (J)	0.77 (J)	170	1.2	0.38 (J)	0.4 (J)	34
3/19/2020	0.92 (J)	0.39 (J)	0.56 (J)	150	1.5	<1		40
3/20/2020							0.58 (J)	
9/10/2020	1.3		0.42 (J)			<1		
9/11/2020		0.99 (J)		170	1.3		0.39 (J)	39
4/2/2021	0.99 (J)			180		<1		
4/5/2021		<1			1.3		<1	57
4/6/2021			<1					

FIGURE K.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

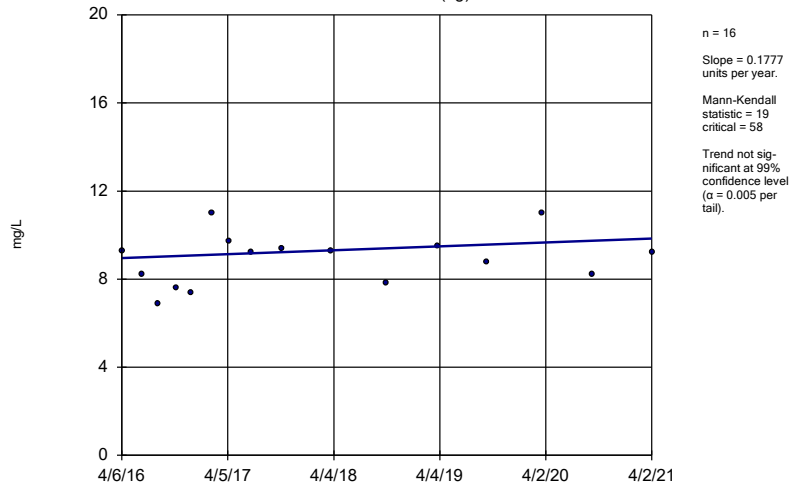
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer PAC CCR Printed 6/21/2021, 1:12 PM

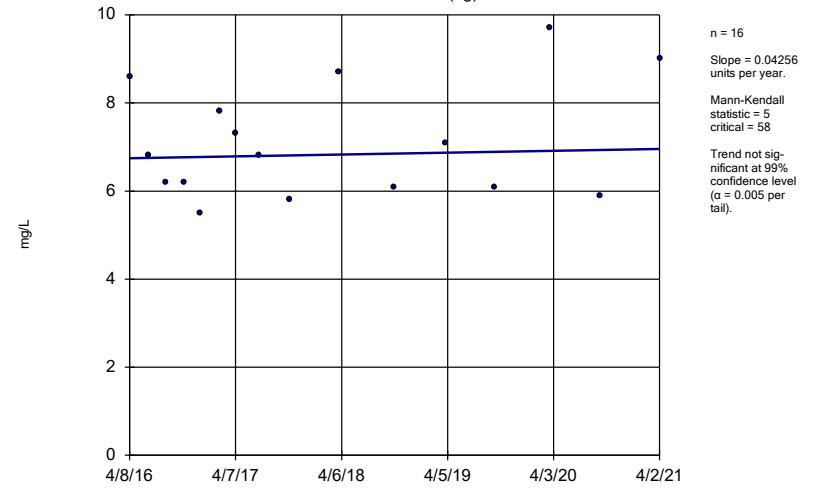
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-21 (bg)	0.1777	19	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-22 (bg)	0.04256	5	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-45 (bg)	0.7613	17	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-46 (bg)	0.2179	43	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-47 (bg)	0.3066	52	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-48 (bg)	0.04002	32	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-49 (bg)	0	24	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-29	1.175	85	58	Yes	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-51	0.1708	49	58	No	16	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-52	1.494	85	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-21 (bg)	0.2105	57	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-22 (bg)	-0.4014	-51	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-45 (bg)	0.2289	44	58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-46 (bg)	0.4208	89	58	Yes	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-47 (bg)	-0.02794	-17	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-48 (bg)	-0.009475	-14	-53	No	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-49 (bg)	-0.04407	-40	-58	No	16	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-51	0.2129	63	53	Yes	15	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-21 (bg)	0.01885	37	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-22 (bg)	0.01022	11	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-45 (bg)	-0.0171	-32	-68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-46 (bg)	0.01571	36	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-47 (bg)	0.01187	49	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-48 (bg)	0	5	74	No	19	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-49 (bg)	0.005062	10	68	No	18	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-29	0.04776	71	68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-21 (bg)	0.07864	20	58	No	16	6.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-22 (bg)	0	-9	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-45 (bg)	6.88	52	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-46 (bg)	0	-23	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-47 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-48 (bg)	0.03612	30	58	No	16	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-49 (bg)	0	-26	-58	No	16	68.75	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-52	8.245	104	58	Yes	16	6.25	n/a	n/a	0.01	NP

Sen's Slope Estimator
GWA-21 (bg)



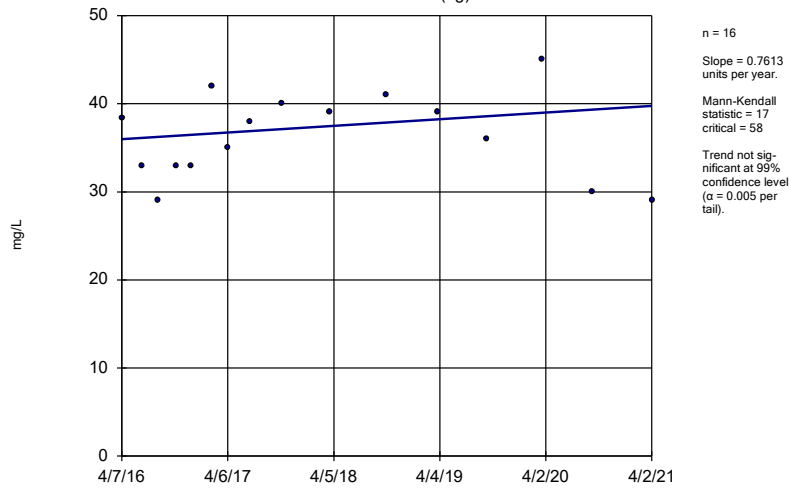
Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-22 (bg)



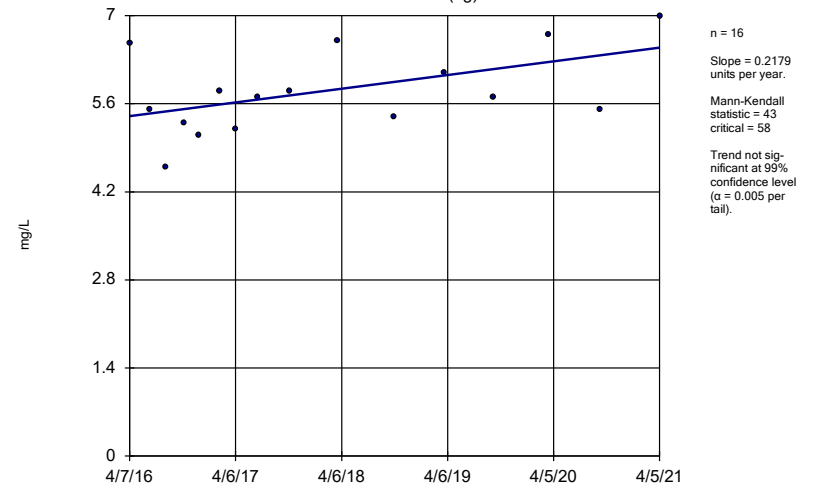
Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-45 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

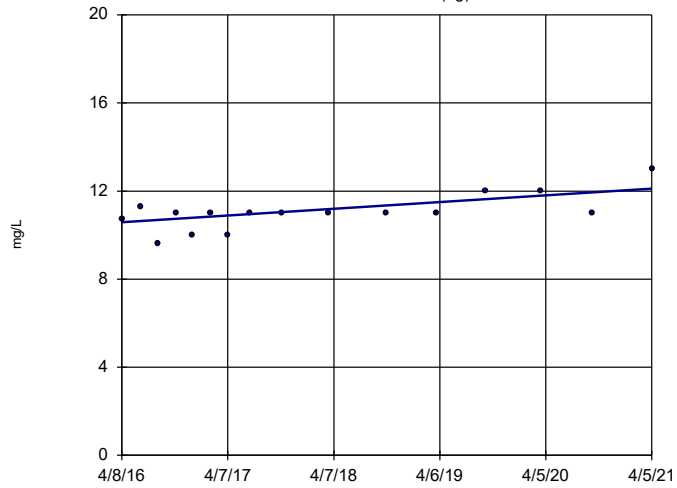
Sen's Slope Estimator
GWA-46 (bg)



Constituent: Calcium, total Analysis Run 6/21/2021 1:10 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-47 (bg)

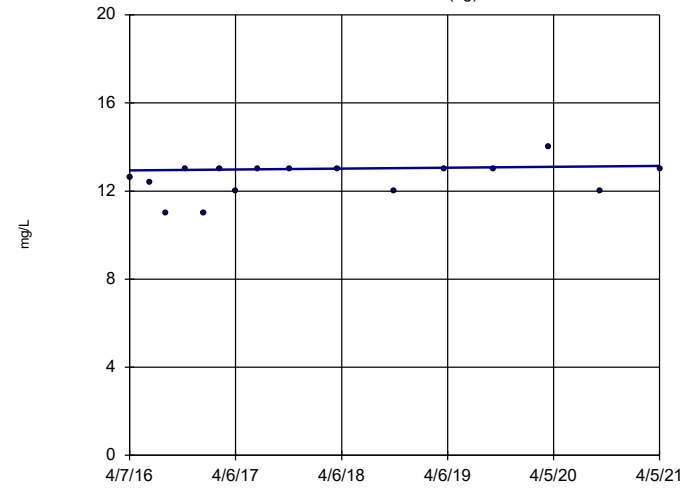


n = 16
 Slope = 0.3066 units per year.
 Mann-Kendall statistic = 52
 critical = 58
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-48 (bg)

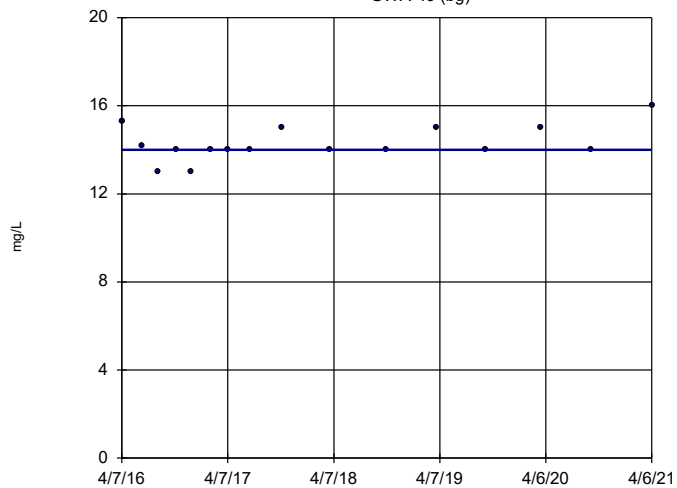


n = 16
 Slope = 0.04002 units per year.
 Mann-Kendall statistic = 32
 critical = 58
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-49 (bg)

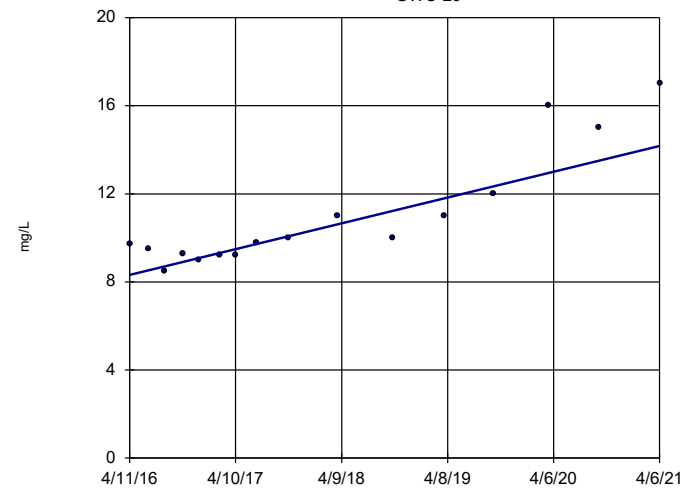


n = 16
 Slope = 0 units per year.
 Mann-Kendall statistic = 24
 critical = 58
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

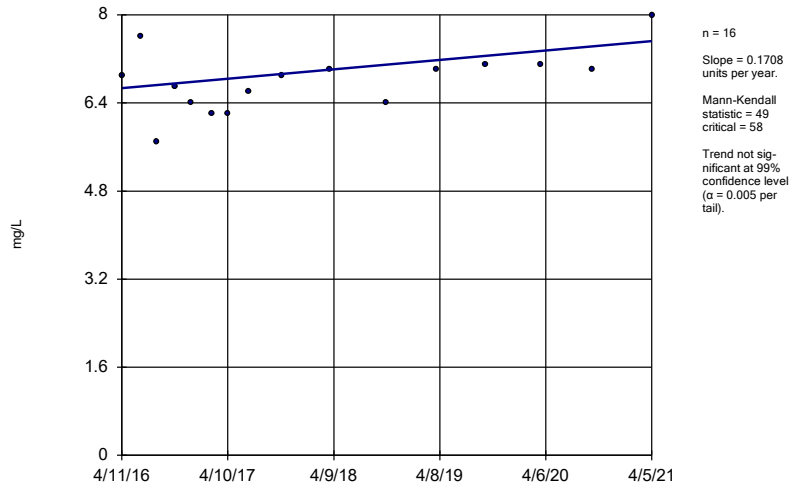
GWC-29



n = 16
 Slope = 1.175 units per year.
 Mann-Kendall statistic = 85
 critical = 58
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

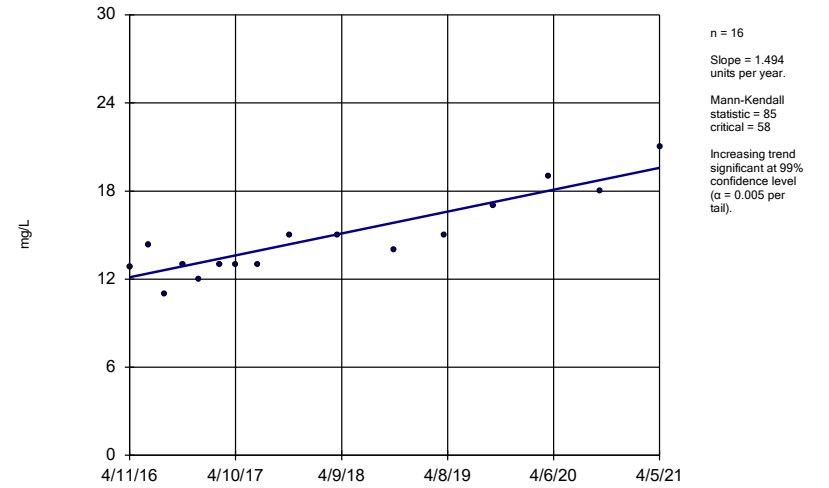
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWC-51



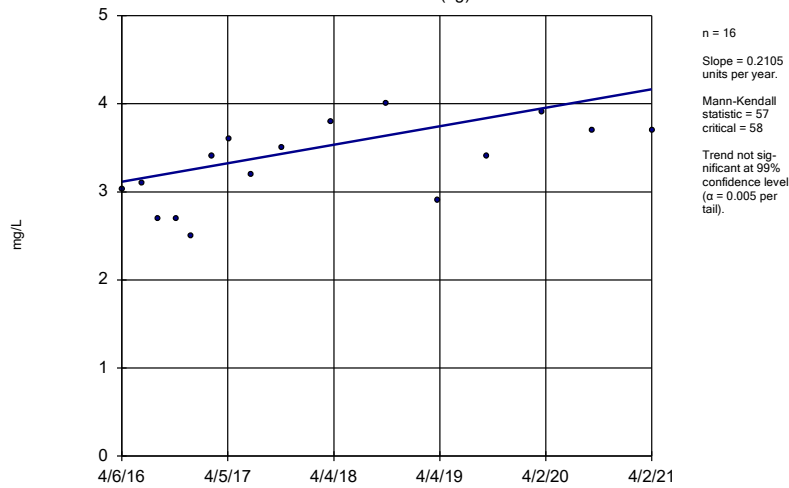
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWC-52



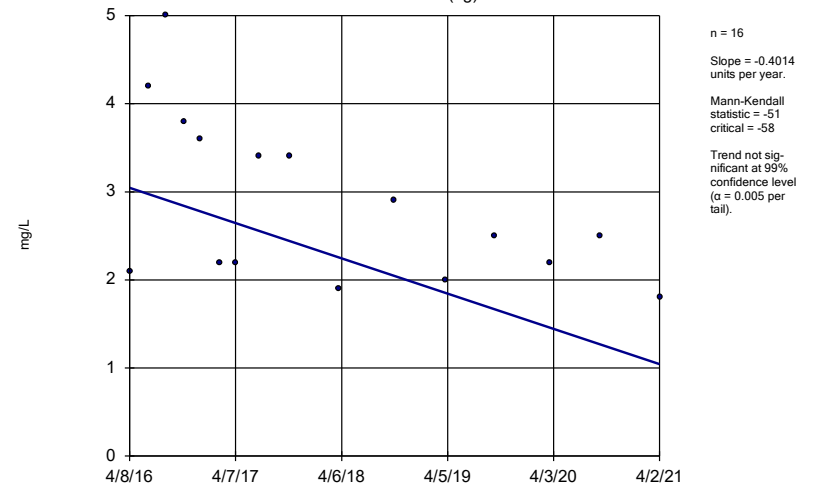
Constituent: Calcium, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-21 (bg)



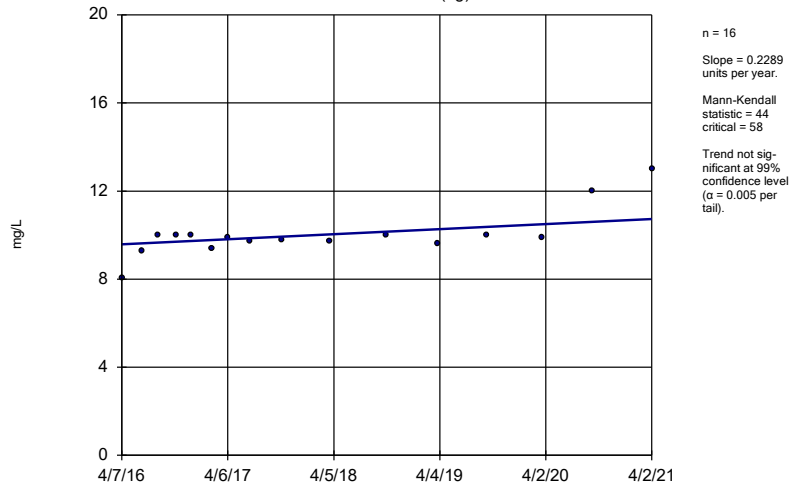
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-22 (bg)



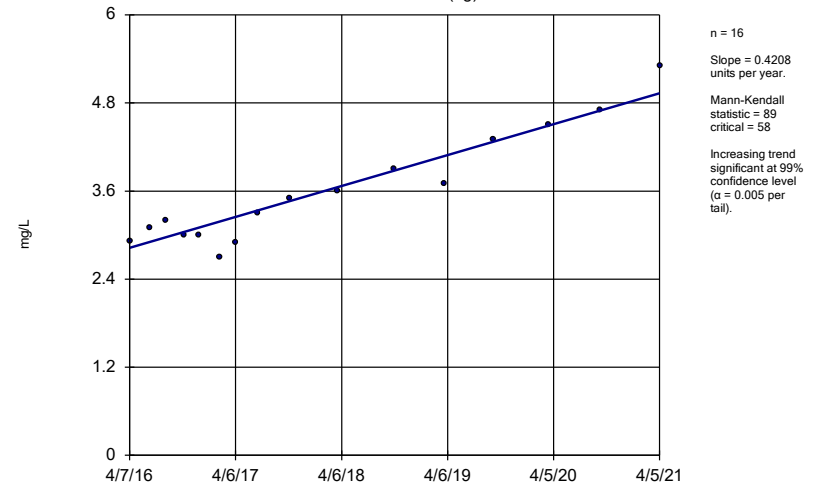
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-45 (bg)



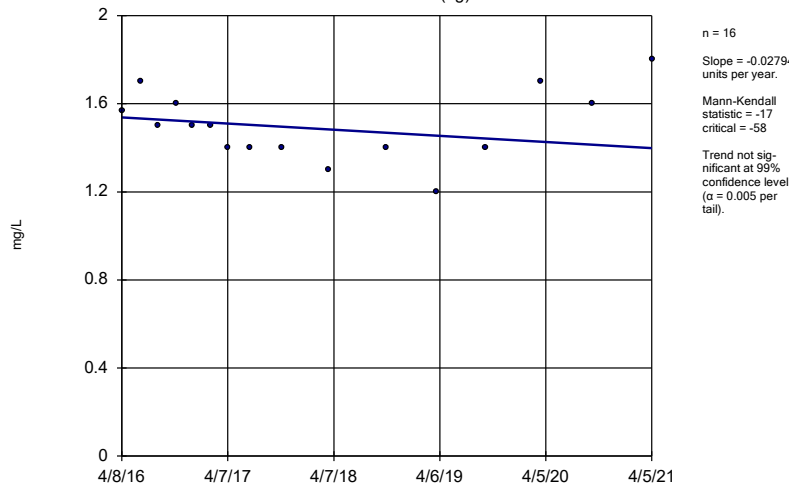
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-46 (bg)



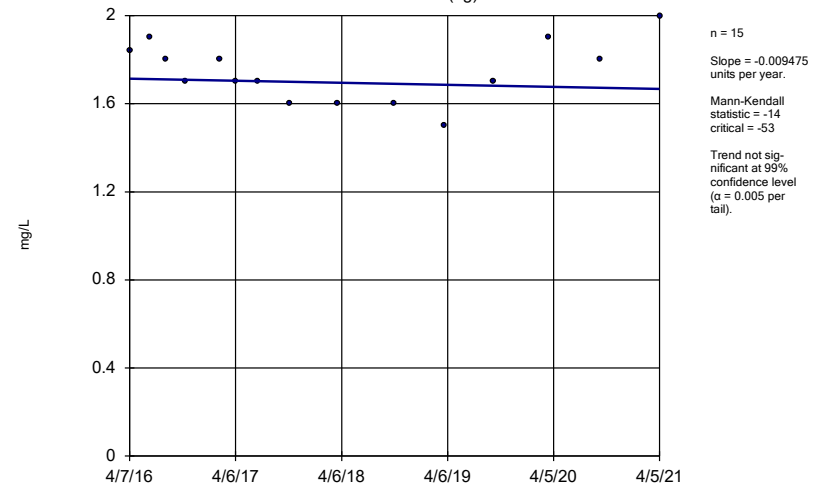
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-47 (bg)



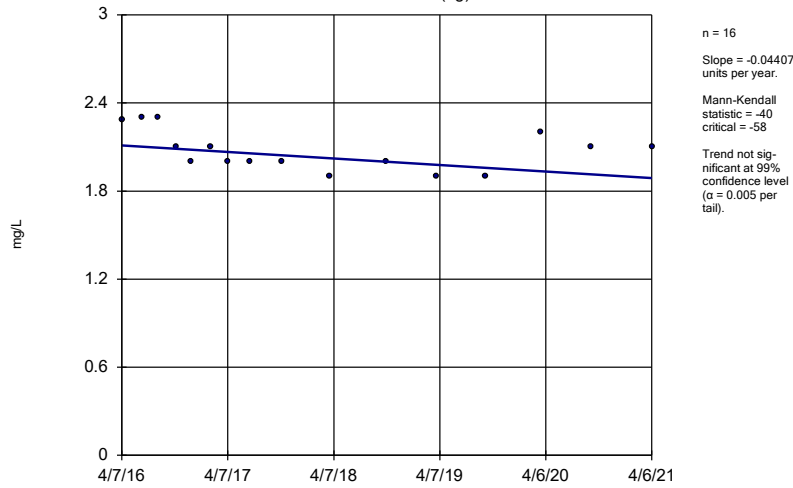
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-48 (bg)



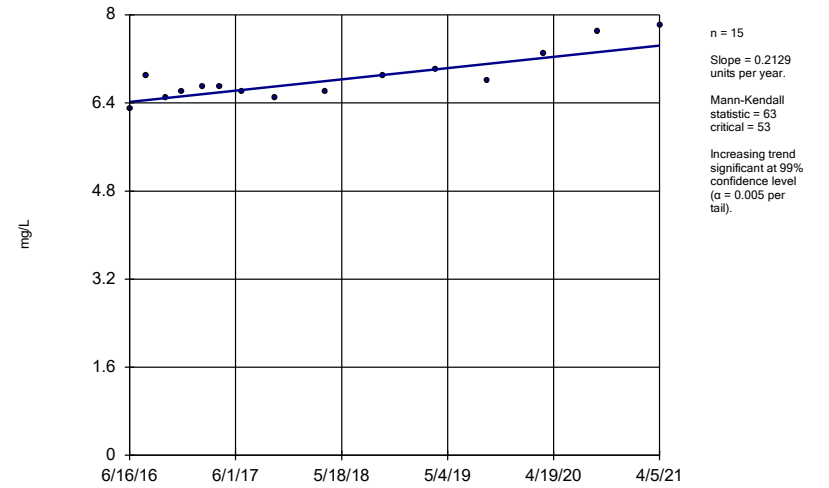
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-49 (bg)



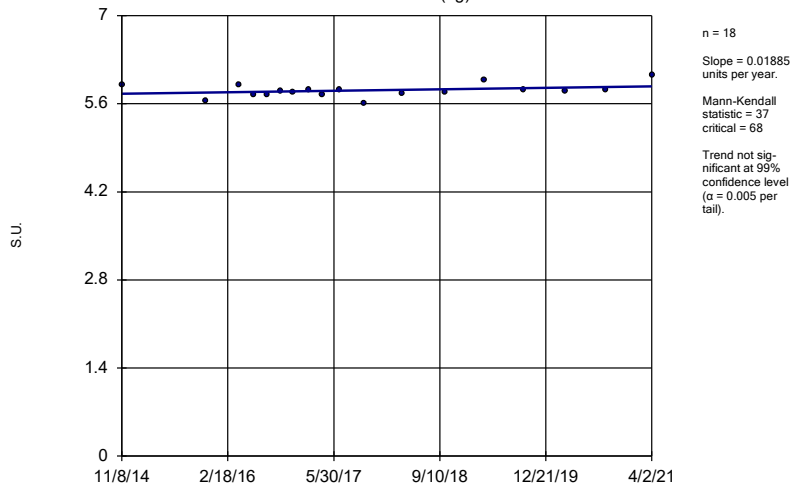
Constituent: Chloride, Total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWC-51



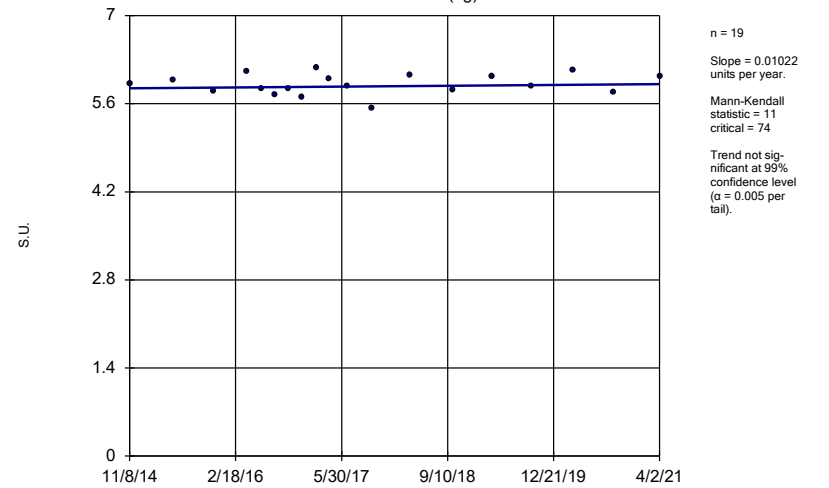
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Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator
GWA-21 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

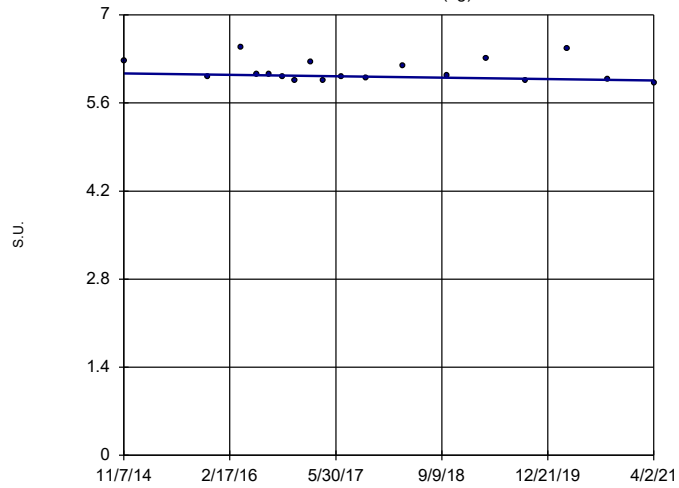
Sen's Slope Estimator
GWA-22 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-45 (bg)

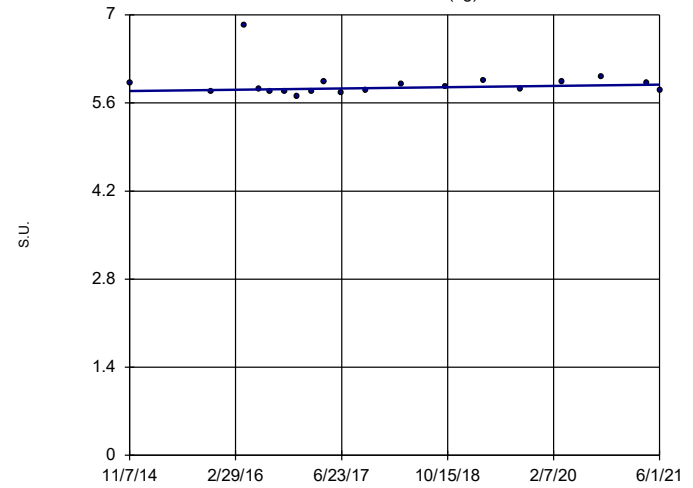


n = 18
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 units per year.
 Mann-Kendall
 statistic = -32
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 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-46 (bg)

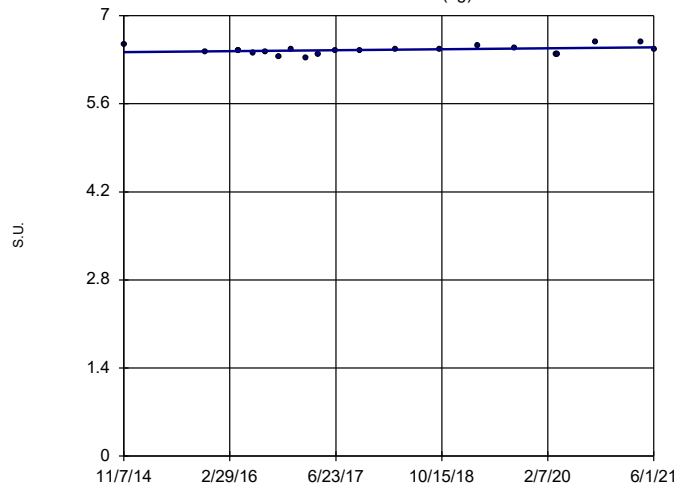


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 Slope = 0.01571
 units per year.
 Mann-Kendall
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 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-47 (bg)

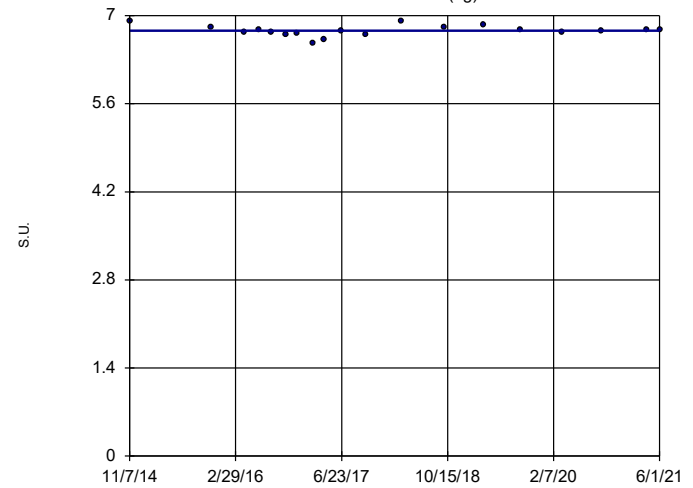


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 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-48 (bg)

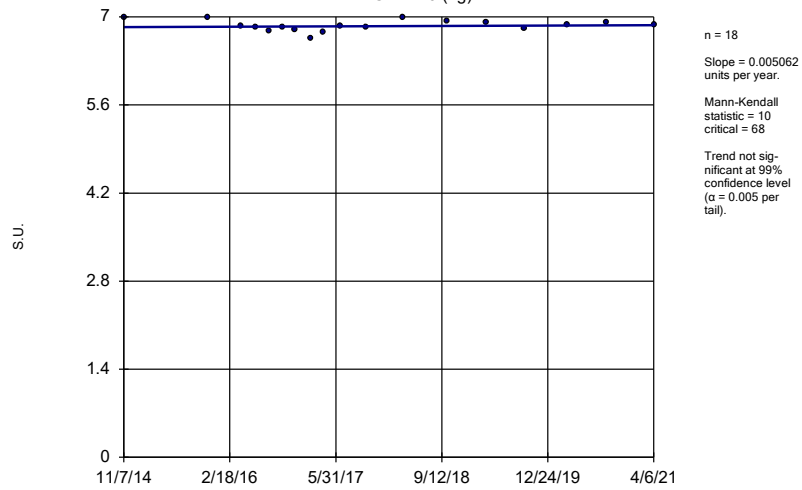


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 Mann-Kendall
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 critical = 74
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 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

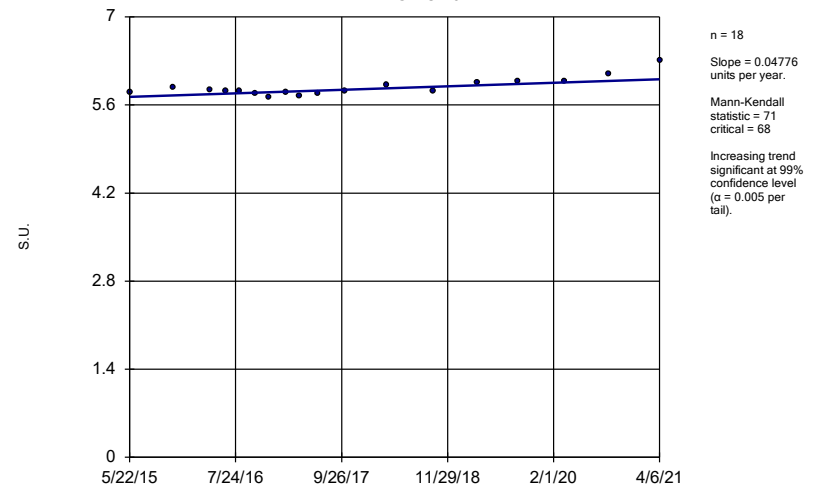
GWA-49 (bg)



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

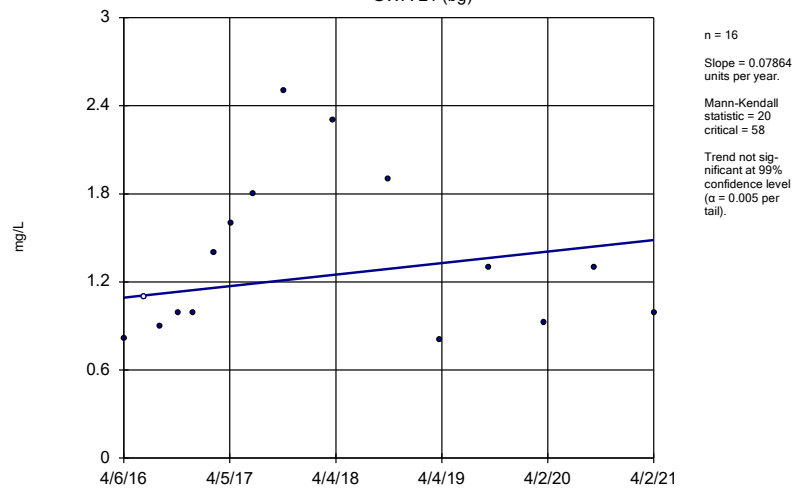
GWC-29



Constituent: pH Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

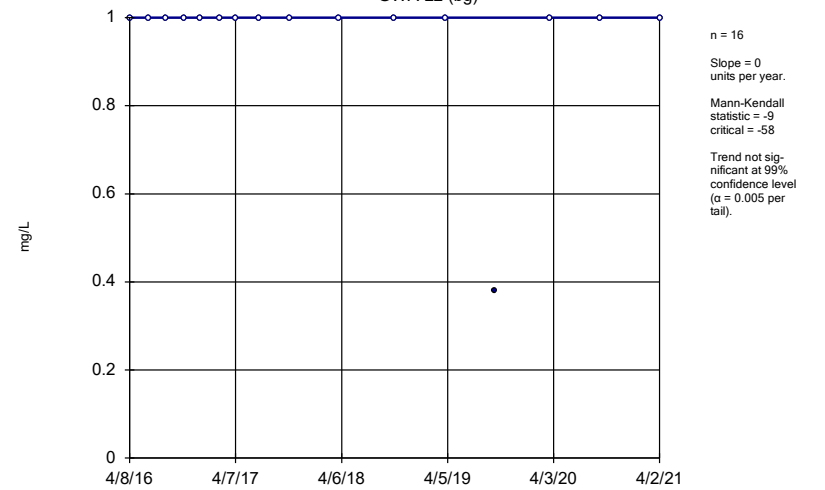
GWA-21 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

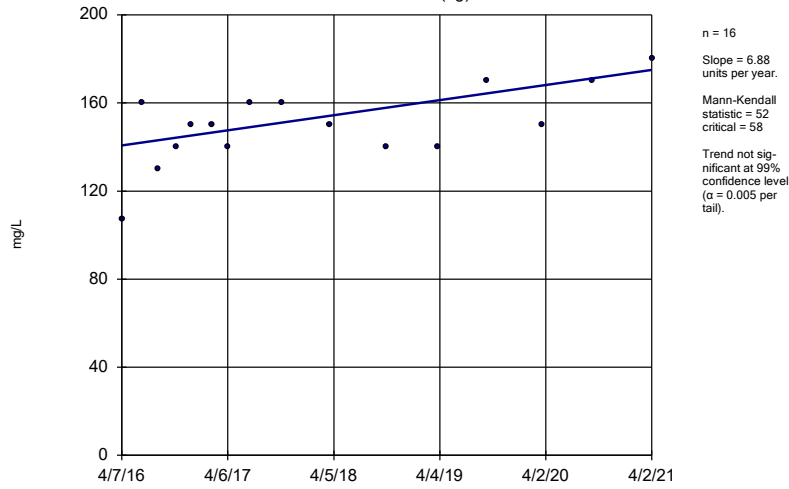
GWA-22 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-45 (bg)

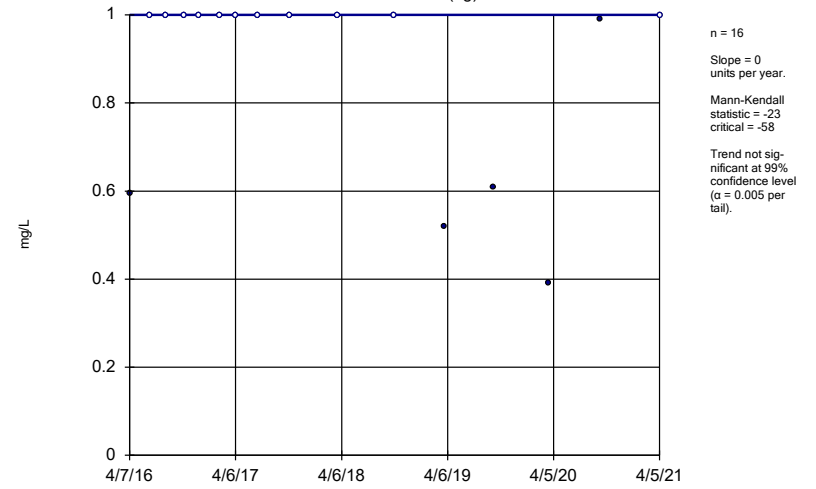


Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

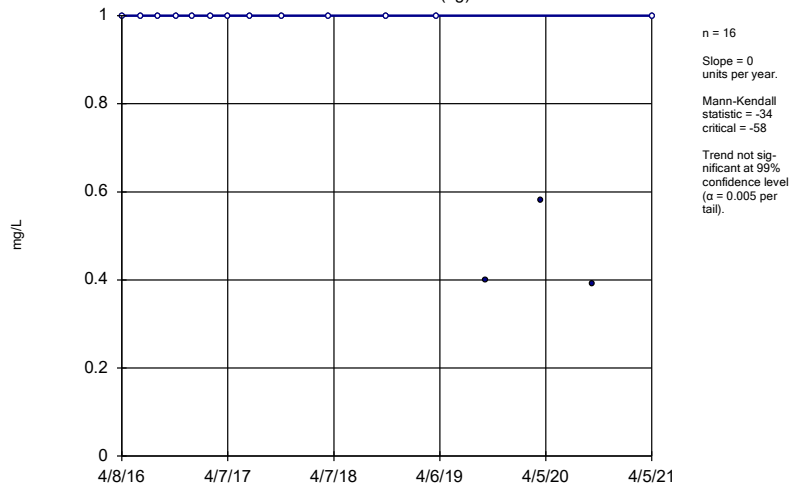
GWA-46 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

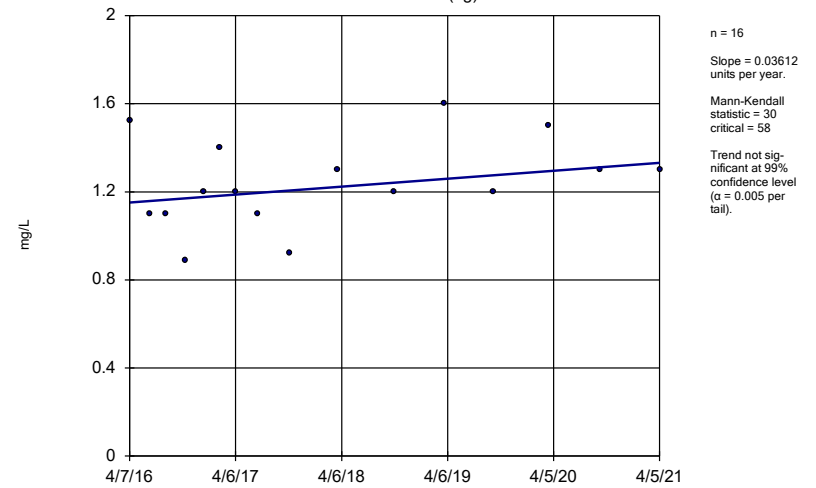
GWA-47 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

Sen's Slope Estimator

GWA-48 (bg)



Constituent: Sulfate, total Analysis Run 6/21/2021 1:11 PM View: Appendix III - Trend Tests
 Plant Scherer Client: Southern Company Data: Scherer PAC CCR

APPENDIX C

Alternate Source Demonstration



GOLDER

REPORT

Alternate Source Demonstration

*Georgia Power Company - Plant Scherer Cell 1 and PAC Ash Cell
Permit No. 102.009D(LI)
2020 Second Semi-Annual Monitoring Event*

Submitted to:



Georgia Power

Georgia Power Company

241 Ralph McGill Boulevard NE, Atlanta, Georgia 30308

Submitted by:

Golder Associates Inc.

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341

+1 770 496-1893

166235021.200

April 23, 2021

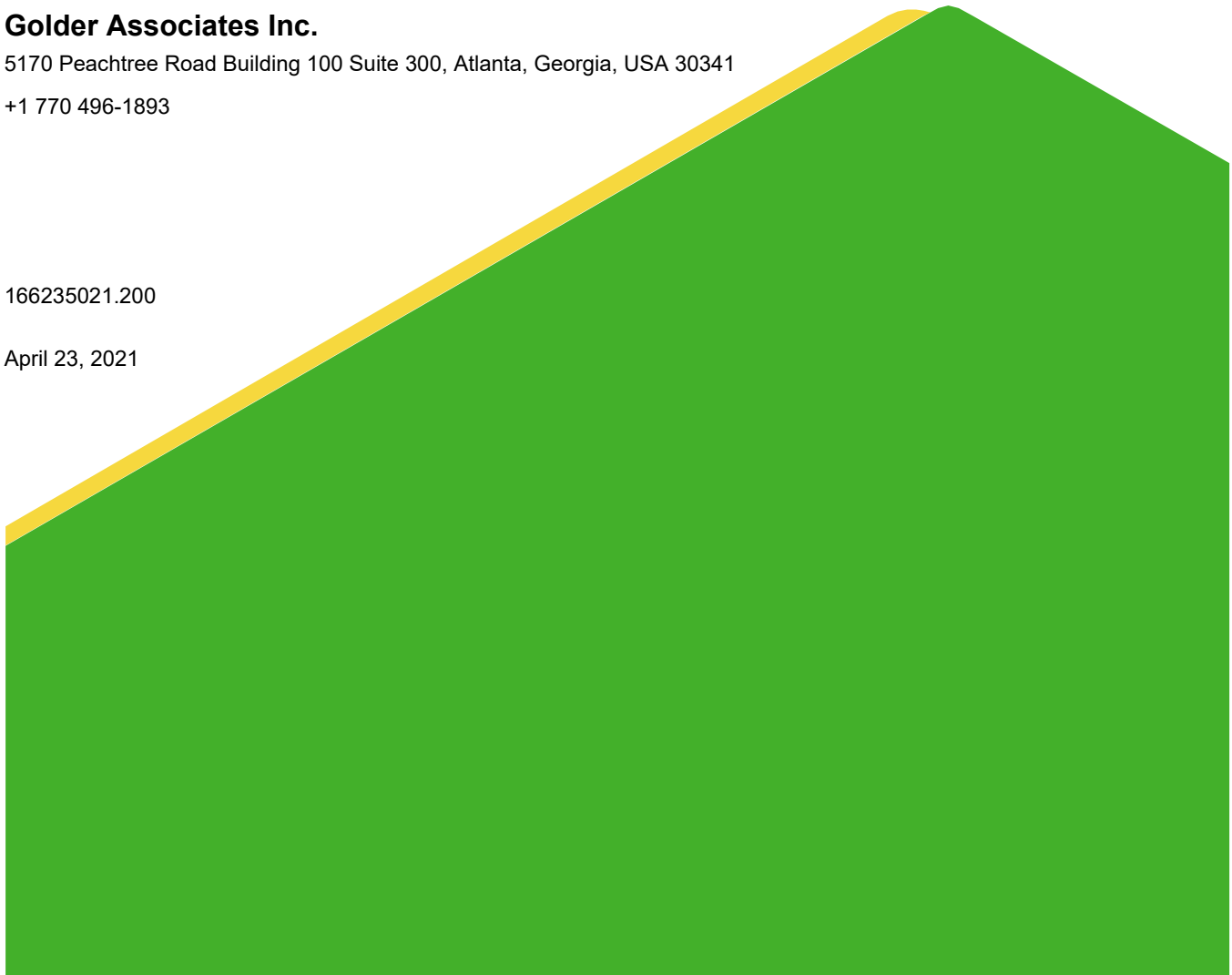


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Figure 2 Potentiometric Surface Map - September 8, 2020

Certification

This *Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell, 2020 Second Semi-Annual Monitoring Event*, has been prepared in compliance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) Georgia Solid Waste Management Rule by a qualified groundwater scientist or engineer with Golder Associates Inc. References to the appropriate 391-3-4 Rules are incorporated throughout this document.

Golder Associates Inc.

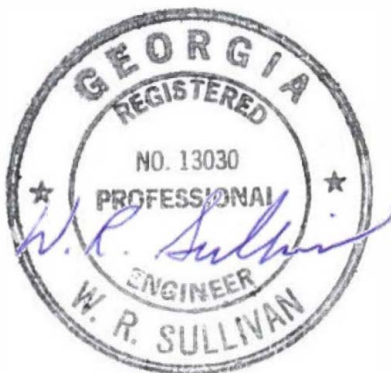


4/23/2021

Rachel P. Kirkman, PG
Registered Professional Geologist No. 1756

Date

I hereby certify that the information used in this *2020 Second Semi-Annual Monitoring Event Alternate Source Demonstration, Georgia Power Company Plant Scherer Cell 1 and PAC Ash Cell*, is accurate pursuant to the requirements of 40 CFR §257.94(e)(2).



April 23, 2021

W. Randall Sullivan, PE
Georgia Georgia Registered Professional Engineer No. 13030

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[https://golderassociates.sharepoint.com/sites/24912g/project/files/200 reports/alternate source demonstrations/2sa.2020_asd ladfill 4.2021/asd_state permit 2sa-2020 draft 4.15.2021_v.4.docx](https://golderassociates.sharepoint.com/sites/24912g/project/files/200%20reports/alternate%20source%20demonstrations/2sa.2020_asd%20ladfill%204.2021/asd_state%20permit%202sa-2020%20draft%204.15.2021_v.4.docx)

1.0 INTRODUCTION

This alternate source demonstration (ASD) has been prepared by Golder Associates Inc. (Golder) in accordance with 40 CFR § 257.94(e)(2) of the Federal Coal Combustion Residuals (CCR) Rule and §391-3-4-.14(23)(c) of the Georgia Solid Waste Management Rules to address the statistically significant increases (SSIs) of monitored constituents over background concentrations. These SSIs are presented in the *2020 Annual Groundwater Monitoring Report*, dated January 29, 2021, for the September 2020 semi-annual groundwater sampling event at Georgia Power's Plant Scherer (Scherer) Cell 1 and Powdered Activated Carbon (PAC) Ash cell (Golder, 2021). This report is filed in the Plant Scherer operating record within 90 days of the reported SSIs and describes an alternate source for the reported SSIs and demonstrates that the SSIs are not the result of a release from Cell 1 or PAC Ash Cell, but rather due to natural groundwater chemistry variation.

Semi-annual water quality monitoring and reporting for the landfill units at Plant Scherer are performed in accordance with the monitoring program requirements of the Georgia (GA) Department of Natural Resources Environmental Protection Division (EPD) Chapter 391-3-4 Solid Waste Management; Solid Waste Permit 102-009D(LI); and the *Groundwater Monitoring Plan Narrative of the Design & Operations Plan for Georgia Power Company's, Plant Scherer CCB Disposal Facility*, prepared by Southern Company Generation Engineering and Construction Services, February 26, 2010, including two minor modifications: (1) the addition of CCR Rule Appendix III and Appendix IV monitoring parameters approved by EPD on August 9, 2017; and (2) revised statistical analysis approved by EPD on August 20, 2019. The following sections address the statistical exceedances noted following the September 2020 semi-annual monitoring event and demonstrates an alternate source for these exceedances.

2.0 SITE DESCRIPTION

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette. The plant is primarily surrounded by agricultural and residential use. Figure 1 depicts the location of Plant Scherer relative to the surrounding area.

The Plant Scherer Landfill consists of a two active cells, namely, Cell 1 and PAC Ash Cell, and future Cells 2 and 3. The two active cells have been utilized since 2011 for the disposal of CCR. The total disposal area occupies approximately 325 acres along the northern portion of the property. Figure 2, depicts the general configuration of the landfill units and site monitoring wells along with the potentiometric surface from September 2020.

The site is located within the Piedmont Physiographic Province of central Georgia, which is characterized by gently rolling hills and narrow valleys, with locally pronounced linear ridges (Golder, 2020a). Overall, the property slopes gently south towards Lake Juliette and east toward the Ocmulgee River (Figure 1). The landfill is situated east/southeast of the ash pond which is in a topographically high area on the property. The landfill cells have a geosynthetic clay liner and a geomembrane, and a leachate collection and removal system.

3.0 EVALUATION OF ANALYTICAL RESULTS & STATISTICAL ANALYSES

As presented in the *2020 Annual Groundwater Monitoring & Corrective Action Report*, analytical results show that concentrations of target constituents are below the established prediction limits (PLs) in groundwater samples collected during the September 2020 sampling event with exceptions noted in the report.

Verification resampling was not conducted for initial control limit exceedances reported in September 2020. This ASD addresses each of those initial and verified statistical exceedances.

3.1 Statistical Analysis Method

The selected statistical method for Cell 1 and PAC Ash Cell was developed using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, USEPA 530/R-09-007 (Unified Guidance). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by United States Environmental Protection Agency (USEPA) regulations and guidance as recommended in the USEPA Unified Guidance (2009) document.

During detection monitoring at the site, groundwater quality data are evaluated using a 2-step statistical approach [i.e., intrawell followed by interwell prediction limits (PLs)]. The statistical method(s) use an optional 1-of-2 verification resample plan. An initial exceedance occurs when any downgradient well data exceed both intra and interwell PLs.

3.2 Statistically Significant Increases

Table 1 provides a summary of the apparent statistical exceedances for Cell 1 identified in the *2020 Annual Groundwater Monitoring & Corrective Action Report*. No exceedances of the prediction limits are identified for the PAC Ash Cell.

Table 1: September 2020 Cell 1 Statistically Significant Increase Summary

Constituents	Cell 1 Monitoring Wells
Appendix III Monitoring Constituents	
Calcium	GWC-8A, GWC-19
Chloride	GWC-8A
Total Dissolved Solids (TDS)	GWC-8A
State Appendix I Monitoring Constituents	
Zinc	GWC-11

3.3 Verification Sampling

In lieu of immediate verification resampling, an ASD has been prepared to address each of the initial and verified SSIs over background. Table 2 provides the results of the September 2020 sampling event, the upper PL, and whether the statistical exceedance is verified from the previous (March 2020) event or an initial control limit exceedance. Verification sampling for the initial control limit exceedances identified following the September 2020 monitoring event will be conducted in April 2021.

Table 2: Summary of Sampling Results

Well	Parameter	Concentration (September 2020) mg/L	Upper Prediction Limit mg/L	SSI (Initial / Verified)	ASD Previously Submitted
Cell 1					
GWC-8A	Calcium	64	45.47	Verified	Yes ^[1]
	Chloride	11	8.684	Verified	Yes ^[1]
	TDS	360	243.6	Verified	Yes ^[1]
GWC-11	Zinc	0.018	0.007	Initial	No
GWC-19	Calcium	15	13.6	Verified	Yes ^[2]
Pac Ash Cell – No Exceedances					

Notes:

ASD – Alternate Source Demonstration

[1] Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 First Semi-Annual Monitoring Event, (Golder, 2020b).

[2] Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2019 Second Semi-Annual Monitoring Event (Golder, 2020c).

4.0 ALTERNATE SOURCE DEMONSTRATION

As summarized in Table 2, SSIs of groundwater quality data were noted for calcium, chloride, TDS, and zinc at select Cell 1 monitoring wells. No exceedances were noted for PAC Ash Cell. Recent ASDs that address many of the current SSIs as summarized in Table 2 include:

- Alternate Source Demonstration Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell Permit No. 102.009D(LI) 2020 First Semi-Annual Monitoring Event, (Golder, 2020b)
- Alternate Source Demonstration, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Second Semi-Annual 2019 Monitoring Event (Golder, 2020c)

Review of groundwater quality data from this most recent event indicates that groundwater concentrations remain similar; therefore, the previous ASDs are still applicable and no further action is necessary.

The following discussion provides a demonstration that the SSIs identified as initial or those verified SSIs without a previous ASD on Table 2 are not the result of a release from Cell 1 or the PAC Ash Cell and are attributed to natural variation in groundwater quality.

4.1 Calcium (GWC-8A and GWC-19)

SSIs of calcium were identified at downgradient monitoring wells GWC-8A and GWC-19 following the September 2020 sampling event. The SSIs are the result of exceedances of the calculated prediction limits.

Review of time series plots show that the reported concentrations of calcium at these wells are within the range of concentrations observed across the site both upgradient and downgradient of the lined units. The reported concentration of calcium observed at GWC-19 (15 milligrams per liter or mg/L) is within the range observed across the site (1 to 20 mg/L). Although an upward trend of calcium at GWC-8A is observed, the relative concentrations observed at GWC-8A is within the range that is naturally observed (USGS, 2009). In addition, review of the time series plots for these wells (below Figures 4.1.1 through 4.1.3) shows that calcium concentrations at well GWC-19 shows little variability over time. The reported SSIs are interpreted to be the result

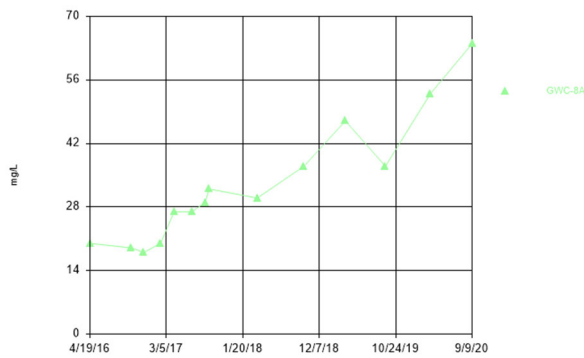
of slight increases in concentration, not significant increases as would be expected if a CCR release were to have occurred.

The concentration of boron, a primary CCR indicator parameter, is not detected above reporting limits for this monitoring event at any of the Cell 1 monitoring wells. Additionally, elevated concentrations or increasing trends of other constituents, with the exception of chloride in GWC-8A as noted below are not observed. This indicates that a release of CCR materials has not caused the SSI observed at GWC-8A and GWC-19. Also, Cell 1 is a gypsum cell and includes a sulfate source signature, which is not observed at any of the Cell 1 monitoring wells, further demonstrating that the source of the statistical exceedances is natural variability and not a release from Cell 1.

Based on these data, the apparent SSIs of calcium are the result of natural variability in groundwater chemistry not accounted for in the current background data set. Georgia Power will continue to monitor the concentrations of calcium at GWC-8A and GWC-19 during future sampling events.

Sanitas™ v 9.6.27 For the statistical analyses of ground water by Golder Associates only. UG

Time Series

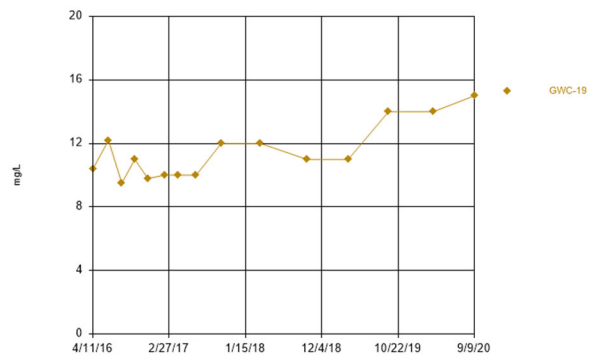


Constituent: Calcium Analysis Run 3/16/2021 4:31 PM
Scherer Client: Golder Associates Data: Scherer Cell 1 LF

Figure 4.1.1: Calcium GWC-8A

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Time Series



Constituent: Calcium Analysis Run 3/16/2021 4:32 PM
Scherer Client: Golder Associates Data: Scherer Cell 1 LF

Figure 4.1.2: Calcium GWC-19

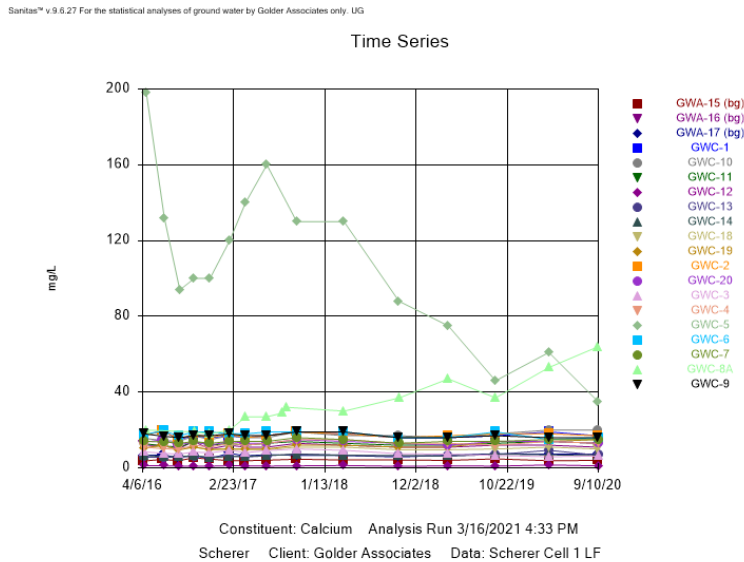


Figure 4.1.3: Cell 1 Site-Wide

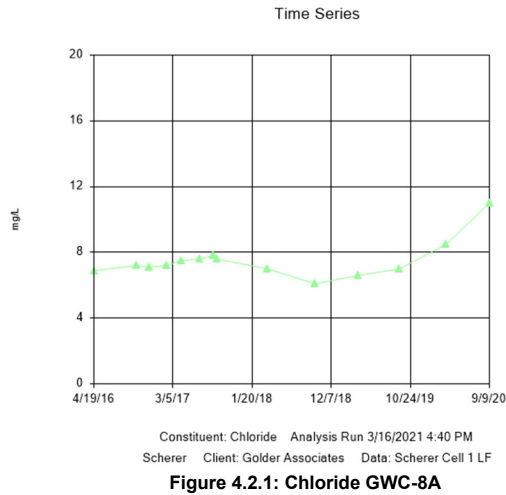
4.2 Chloride and Total Dissolved Solids (GWC-8A)

SSIs of chloride and TDS were identified at downgradient Cell 1 monitoring well GWC-8A following the September 2020 sampling event. The observed concentrations of chloride at GWC-8A (11 mg/L) is just above the PL (8.684 mg/L) and well below the USEPA secondary maximum contaminant level of 250 mg/L. The reported concentration of TDS at GWC-8A (360 mg/L) is also above the PL (243.6 mg/L). Review of the time series plots (Figures 4.2.1 through 4.2.4) shows that the reported concentrations of chloride at this well are within the range of concentrations observed at other site monitoring wells. Although a slight increasing trend for chloride is noted for recent events, the reported concentration of chloride is very low and comparable to onsite chloride concentrations. The reported results are below that which is naturally observed (USGS, 2009). TDS is the sum of dissolved solids in water and thus, any change in chloride or calcium concentrations would affect the TDS concentration.

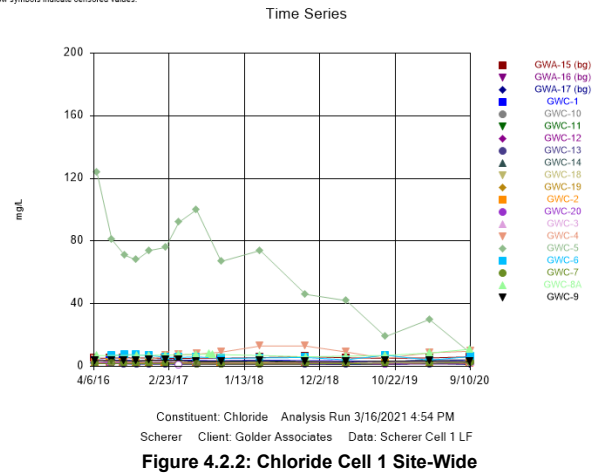
In addition to relatively low concentrations of chloride, a primary CCR indicator, boron, has not been detected at this well.

Based on these facts, the statistical exceedances of chloride and TDS at GWC-8A are the result of natural variability in groundwater chemistry not accounted for with the current statistical background data set. Georgia Power will continue to monitor the variability of chloride concentrations at these wells during future sampling events.

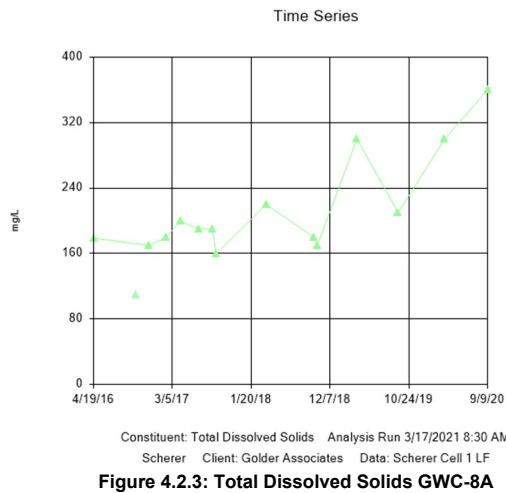
Sanitas™ v 9.6.27 For the statistical analyses of ground water by Golder Associates only. UG



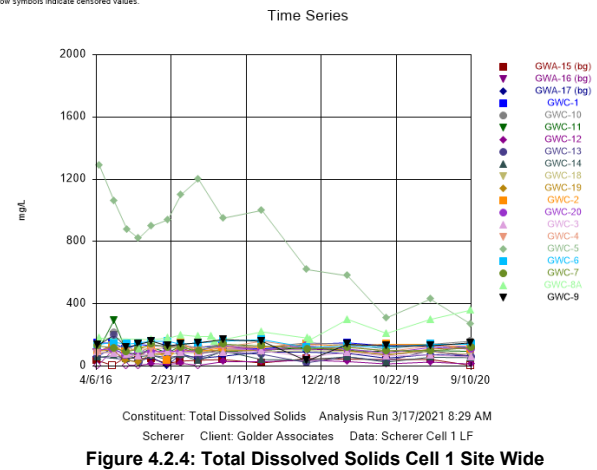
Sanitas™ v 9.6.27 For the statistical analyses of ground water by Golder Associates only. UG
 Hollow symbols indicate censored values.



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Sanitas™ v 9.6.27 For the statistical analyses of ground water by Golder Associates only. UG
 Hollow symbols indicate censored values.



4.3 Zinc (GWC-11)

A SSI of zinc was identified at downgradient Cell 1 monitoring well GWC-11 following the September 2020 sampling event. The reported concentration of zinc (0.018 mg/L) is above the PL (0.007 mg/L). Review of the time series plots (Figures 4.3.1 and 4.3.2) shows that the reported concentrations at GWC-11 have been seasonally variable and are not part of a significant trend. Zinc concentrations at GWC-11 are relatively low and represent concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2013). Further, the primary CCR indicator boron has not been detected at this well since analysis was initiated in 2016. Based on data presented in the literature and in this ASD, the observed concentration of zinc at GWC-11 is representative of naturally occurring zinc within the the aquifer. The variability of zinc concentrations at this wells will be monitored during future sampling events.

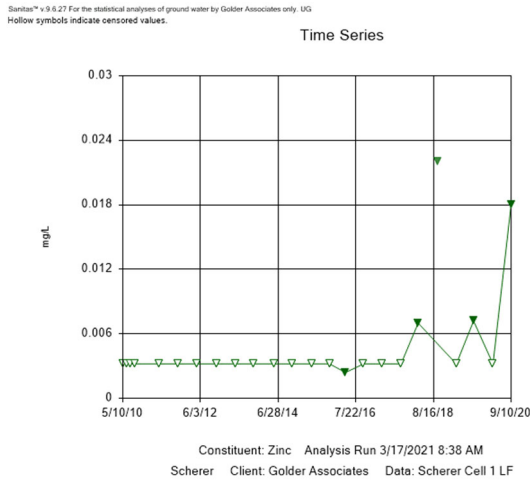


Figure 4.3.1: Zinc GWC-11

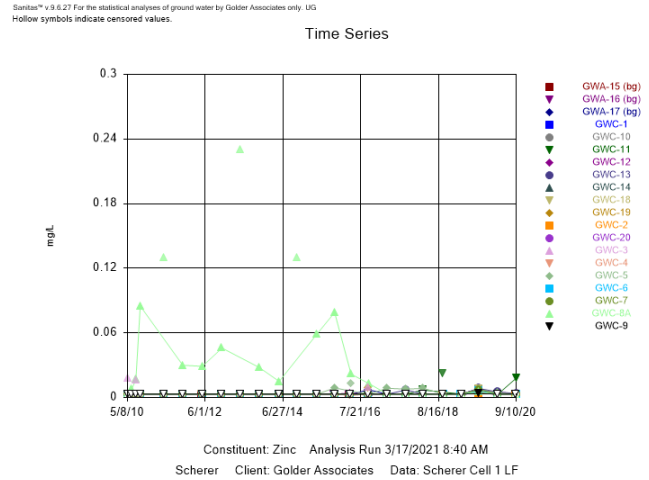


Figure 4.3.2: Zinc Cell 1 Site-Wide

5.0 CONCLUSIONS

This ASD has been prepared in response to apparent statistical exceedances presented in the *2020 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, dated January 29, 2021. In accordance with 40 CFR § 257.94(e)(2) and §391-3-4-.14.(23)(c) of the GA Solid Waste Management Rules, this ASD along with previously presented ASDs addresses each of the SSIs confirmed following the September 2020 sampling event.

SSIs from the September 2020 monitoring event are not the result of a release from either of the lined landfill units, but rather natural variability in groundwater chemistry. The reported concentrations of calcium, chloride, total dissolved solids and zinc are within the range of concentrations expected in the regolith – fractured bedrock aquifers in the Piedmont of southeastern US (USGS, 2009; USGS, 2013). Boron, a primary indicator parameter for CCR, is not detected above reporting limits at any of the Cell 1 monitoring wells during this monitoring event. Also, Cell 1 is a gypsum cell with a sulfate source signature which is not observed at any of the Cell 1 monitoring wells, further demonstrating that the source of the statistical exceedances is natural variability and not a release from Cell 1. The monitoring well network continues to effectively monitor the water bearing unit beneath the Cell 1 and PAC Ash units. Based on the findings presented herein, Georgia Power will continue with detection groundwater monitoring at Cell 1 and PAC Ash Cell.

6.0 REFERENCES

- Golder, 2020a. *Hydrogeologic Assessment Report, Plant Scherer Ash Pond 1*, Golder Associates Inc., December, 2020.
- Golder, 2020b. *Alternate Source Demonstration*, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), First Semi-Annual 2020 Monitoring Event, Golder Associates Inc., August 2020.
- Golder, 2020c. *Alternate Source Demonstration*, Georgia Power Company – Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI), Second Semi-Annual 2019 Monitoring Event, Golder Associates Inc., April 2020
- Golder, 2021. *2020 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Plant Scherer Cell 1 and PAC Ash Cell, Permit No. 102.009D(LI)*, Golder Associates Inc., January 29, 2021.

USEPA, 2009, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division, March 2009.

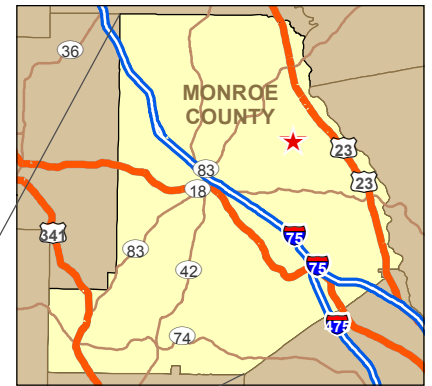
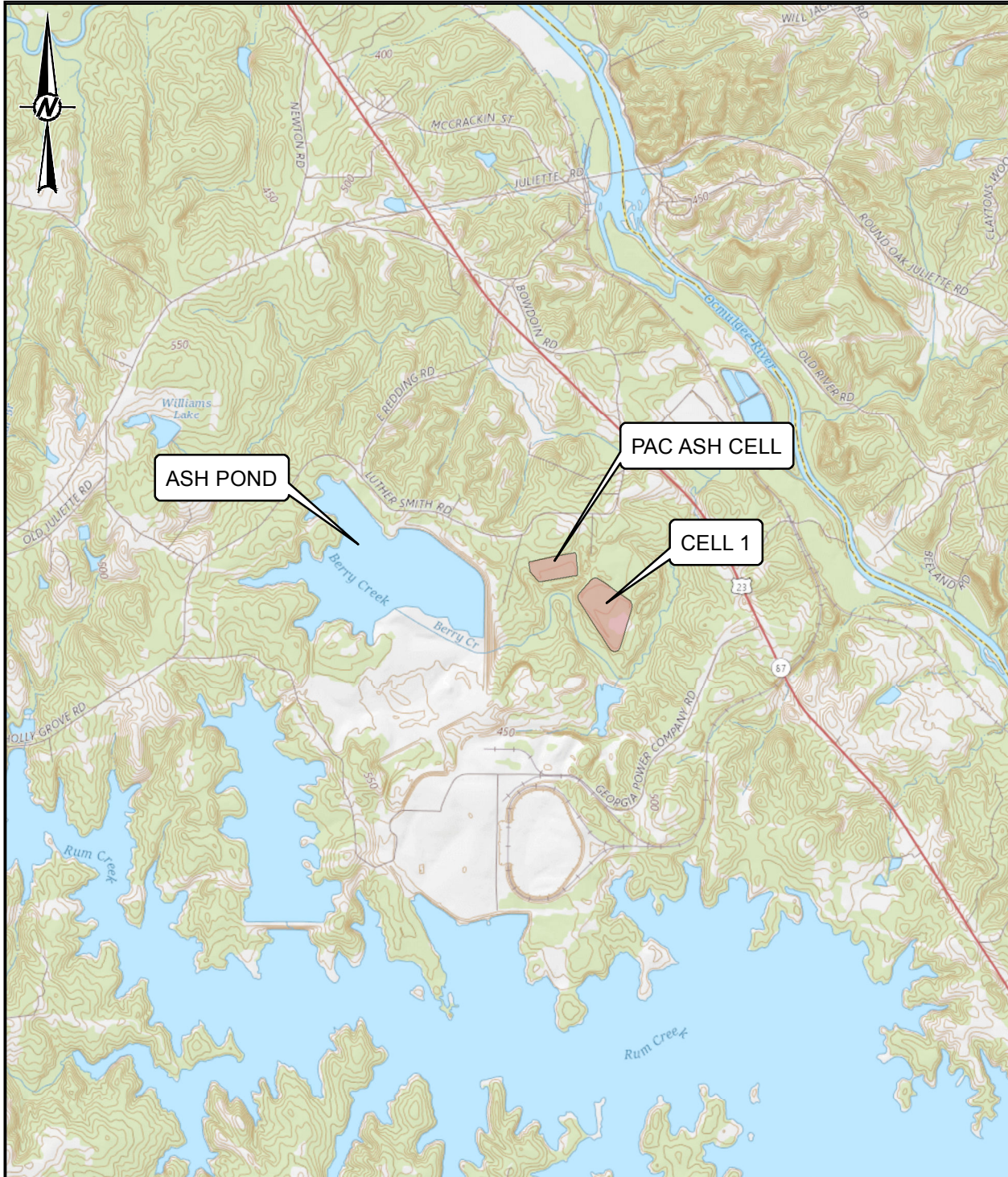
USGS, 2009. *Characterization of Groundwater Quality Based on Regional Geologic Setting in the Piedmont and Blue Ridge Physiographic Provinces, North Carolina*, Scientific Investigations Report 2009-5149, 2009.

USGS, 2013. *Natural Occurring Contaminants in the Piedmont and Blue Ridge Crystalline-Rock Aquifers and Piedmont Early Mesozoic Basin Siliciclastic-Rock Aquifers, Eastern United States, 1994-2008*, Scientific Investigations Report 2013-5072, 2013.

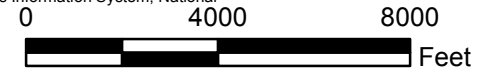
FIGURES

Figure 1: Site Location Map

Figure 2: Site Plan and Well Location Map



Service Layer Credits: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National



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TITLE
SITE LOCATION MAP

CONSULTANT



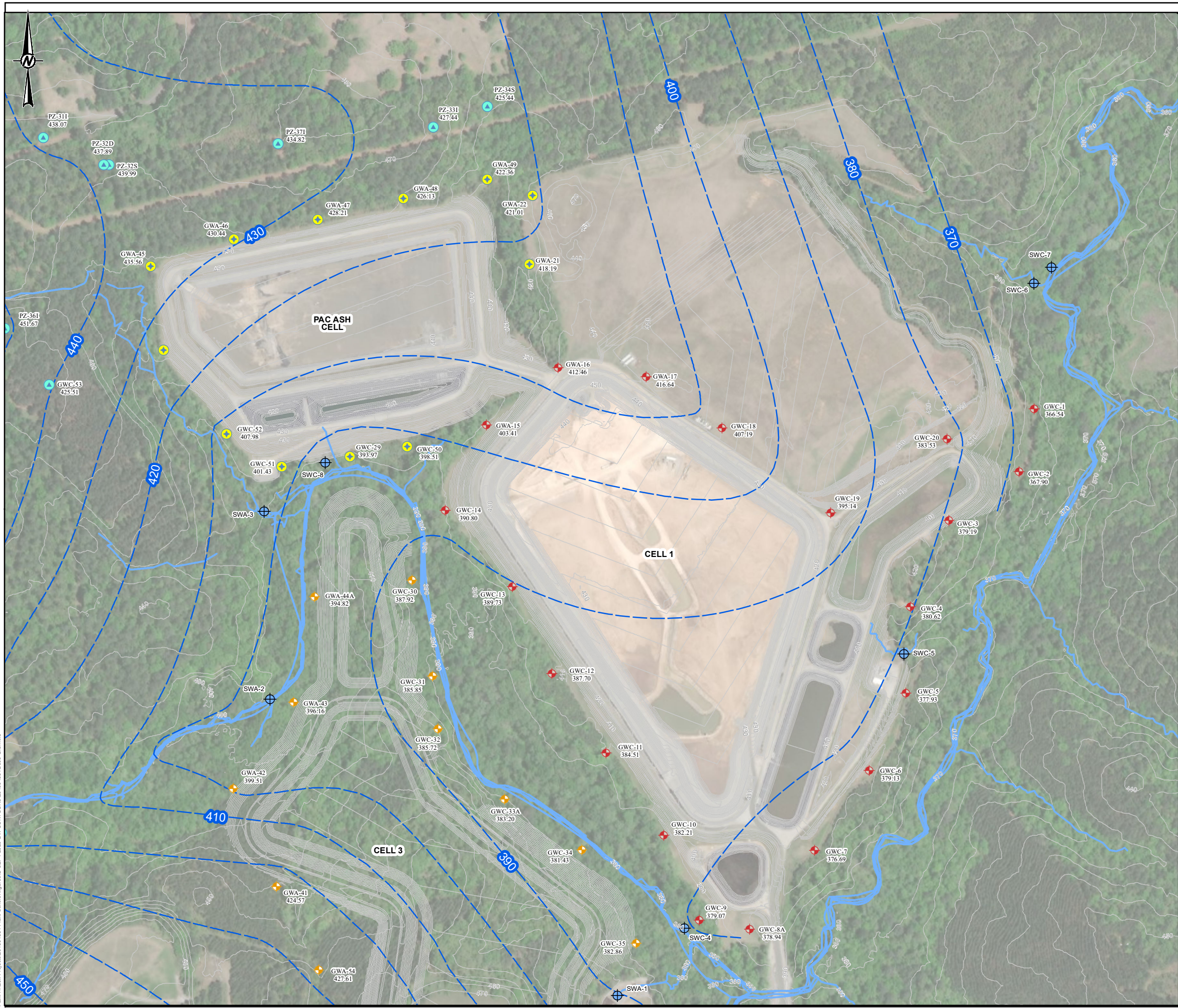
YYYY-MM-DD	2018-01-31
PREPARED	DJC
DESIGN	DLP
REVIEW	<i>djp</i>
APPROVED	<i>rpk</i>

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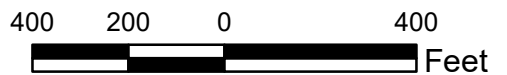
FIGURE
1



- LEGEND**
- ◆ CELL 1 LANDFILL MONITORING WELL
 - PAC ASH LANDFILL MONITORING WELL
 - ◆ CELL 3 MONITORING WELL
 - PIEZOMETER
 - SURFACE WATER SAMPLING LOCATION
 - INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
 - PROPERTY BOUNDARY
 - PONDS

- NOTES**
1. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 8, 2020 BY GOLDER ASSOCIATES.
 2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
 3. DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

- REFERENCE**
1. COORDINATE SYSTEM: NAD 1983 STATE PLAN GEORGIA WEST (U.S. FEET).
 2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.



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PROJECT
PLANT SCHERER

TITLE
**POTENTIOMETRIC SURFACE MAP
 SEPTEMBER 8, 2020**

CONSULTANT	YYYY-MM-DD	2021-03-22
GOLDER	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 ANS/B



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